

EXECUTIVE SUMMARY

At the request of The MaceRich Company, ATC/Diagnostic Environmental Incorporated (ATC/DEI) performed an Environmental Site Assessment of the Northgate Mall, located at 5800 Northgate Drive, San Rafael, California (Project Area/Site). Sears Department Store and its facilities, which also lie within the Site Boundary, are not part of the Project Area. ATC/DEI initiated its services on July 30, 1993. The purpose of the Environmental Site Assessment was to establish a preliminary evaluation of the past and/or present existence, use and/or release of environmentally regulated materials or wastes. The Environmental Site Assessment included a review of Project Area operations, a review of immediately adjacent and surrounding property use, a review of available historical site data and government records, aerial photo study and a review of geological/hydrogeological existing conditions.

ATC/DEI visually reviewed the Project Area to determine the presence or possible presence of stored materials, process materials and wastes, site waste containment or deposits, materials used in construction, evidence of cesspools, evidence of above- or below-grade storage tanks, stressed vegetation and PCB-containing electrical equipment, including transformers, hydraulic lifts, compressors and fluorescent light ballasts. Neighboring properties were also reviewed to determine whether activities at adjacent properties were impacting the Project Area.

The survey was conducted by Mr. Wilson Wong and Ms. Lee Ann Norman of ATC/DEI's San Francisco office. The conditions presented are as observed and evaluated on the days of the Environmental Site Assessment.

The Project Area history indicates that the Project Area was developed in phases - with the facility construction beginning in 1963. Historical records indicate that the Project Area was unused land before the development of the mall. The evaluation of adjacent properties revealed four gasoline service stations located adjacent to the Project Area, but in a hydraulically cross-gradient location. One of the four gasoline stations was demolished in 1992 and another two, Shell and Exxon, are in the Leaking Underground Storage Tank (LUST) database. The fourth gasoline station, Chevron, revealed no evidence of serious

ENVIRONMENTAL SITE ASSESSMENT
THE MACERICH COMPANY - THE MALL AT NORTHGATE - SAN RAFAEL, CALIFORNIA

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leakage. According to Mr. Joe Curley, Supervising Building Inspector for City of San Rafael, all three gasoline stations had undergone clean up. Based on the predicted regional hydrological conditions, the proximity of the sites to the Project Area and the reported site conditions/status of the aforementioned sites, the Project Area does not appear to be environmentally threatened.

The former Sears Automotive Operation and former gasoline station (currently Tim's Car Radio) was closed in 1986. No information regarding soil and/or groundwater quality for this site was available. The site is located at the downgradient boundary of the Project Area, and a petroleum release at this site would likely have minimal impact to the Project Area.

The current operations of the Project Area were reviewed - inclusive of tenants and facility management activities. ATC/DEI did not observe any findings presenting a significant Area of Concern.

Based upon the findings of the report, there are no open or pending environmental regulatory issues associated with The Mall at Northgate.

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

At the request of The MaceRich Company, ATC/Diagnostic Environmental Incorporated, (ATC/DEI) performed a Phase I Environmental Site Assessment of the property with its principal address listed as 5800 Northgate Drive, San Rafael, California (Project Area/Site). The assessment was initiated on July 30, 1993. The Project Area is improved with one centralized multi-tenant retail structure, four smaller free-standing commercial/retail buildings and grade-level asphaltic concrete parking and a bi-level parking structure at the southwest corner of the Project Area, totaling approximately 45 acres of property. The Sears facilities, including land and buildings of the retail store, Automotive Center, Garden Center and Tim's Car Radio, are separate from the Northgate Mall and considered neighboring properties. The purpose of the Phase I Environmental Site Assessment was to establish a preliminary evaluation of the past and present existence, use or release of environmentally regulated or hazardous substances on or near the Project Area.

I PROJECT AREA OVERVIEW

The Project Area is located at located at 5800 Northgate Drive, San Rafael, California (Project Area/Site). The Project Area is situated in the northern portion of San Rafael in Marin County, in a mixed commercial and residential area. A site location map detailing the Project Area is provided in Figure 1.

II. GEOLOGICAL/HYDROGEOLOGICAL DATA

ATC/DEI reviewed pertinent, available documents and maps regarding local geology, hydrogeology, and physiography in order to evaluate the potential migration of hazardous substances at or around the Project Area.

Geology and Physiography

The site is underlain by bedrock composed of sandstone and shale. The bedrock is less weathered and harder with increasing depth. Surficial soils consist generally of stiff to very stiff sandy and silty clays above the bedrock. Source: Sears TBA and Former Gas Station Soil Report, September 22, 1970 Woodward-Clyde Associates, San Francisco.

Hydrogeology

The water utility for the Northgate Mall is the Marin Municipal Water District, whose source is seven reservoirs/lakes that they own. According to Shelley Melville (Engineering Representative at Marin Municipal Water District), they do not have any wells on line. Groundwater in the general vicinity of the Project Area can be found at depths ranging from 7 to 10 feet below grade. The groundwater flows in an easterly direction toward the San Rafael Bay. Due to the proximity of the San Rafael Bay, the flow direction varies greatly, depending on the time of verification. Source: Ms. Shelley Melville, Marin Municipal Water District.

III PROJECT AREA OBSERVATIONS

The Project Area is comprised of five structures - including the principal retail structure housing approximately 125 retail stores, 3 large department stores and related maintenance and security operations. The other structures are physically and structurally independent facilities located around the principal structure. Located to the east is the Pay Less Drug Store, in the southeast corner are the Sears Automotive Center and Tim's Car Radio (also owned by Sears), and in the southwest corner is the Sears Garden Center.

The principal structure was originally an outdoor shopping center which began in 1963 with an Emporium department store along with several retail stores. The Sears department store was added in 1971. The Mervyn's and Pay Less Drug Store were added in 1985. The facility was expanded and converted into a shopping mall in 1987. The mall now includes 125 small retail stores, and three anchor department stores (Sears, Mervyn's, and Emporium). Of the three department stores, Sears owns its own land and buildings - including the automotive center, garden center, and Tim's Car Radio (a former Sears Gasoline Station). Mervyn's and Emporium own their buildings but lease the land.

Pay Less Drug Store, located at the east end of the principal structure, leases both its building and land. ATC/DEI did not observe evidence of spills or illegal disposal of hazardous materials associated with this operation.

The retail tenants typically consist of the larger department stores, jewelry stores, men's and women's clothing stores, eating establishments, home furnishings stores, banks, a dry cleaner, and miscellaneous goods and services. At the time of the Project Area visit, ATC/DEI interviewed select retail establishments. Specifically, ATC/DEI focused on tenants most likely to handle, generate or otherwise use hazardous materials in their operations. ATC/DEI reviewed the tenant operations of Mervyn's, Emporium, Pay Less Drug Store, Hudson Goodman Jewelers, Kay Jewelers, Ritz Camera, Expressly Portrait, Glamour Shots, All American Printing, Pearle Vision Express, William M. Liebman, M.D., Inc., and Fairfax French Cleaners.

In general, ATC/DEI did not observe any indication of improper handling, including storage or disposal, of hazardous materials and wastes in the referenced locations that pose an environmental risk to the Project Area.

Both jewelry stores (Hudson Goodman Jewelers, and Kay Jewelers) do jewelry repairing off-site and only carry limited mild cleaning solutions for jewelry cleaning.

Pearle Vision Express corporate office is responsible for all hazardous material activities of the branch in the Project Area.

Ritz Camera develops color film (C-41 Process) and prints color photographs in-house; black and white processing is done off-site. A silver recovery unit is maintained on site. Recovered silver residue is collected and the waste water solution is disposed to the sanitary sewer.

Glamour Shot does not handle regulated materials on-site. All photos are sent to an off-site lab.

Expressly Portrait corporate office is responsible for all hazardous material activities of the branch in the Project Area.

Fairfax French Cleaners does no on-site dry cleaning. It only serves as a pick up and drop-off location.

All American Printing does not handle regulated materials on site.

William M. Liebman, M.D., Inc., generates small amounts of medical waste on-site. All waste is transported off-site for proper disposal.

Mervyn's hires outside maintenance personnel to service all elevators, escalators and HVAC units. A back-up generator with an aboveground 100-gallon diesel fuel tank (part of the generator) is maintained on-site. The Operations Manager stated that Mervyn's did not

carry or store hazardous materials except diesel fuel. Source: Karen Beam, Operations Manager, and Charlie Martin, Facility Manager.

Emporium employs in-house maintenance personnel to service all elevators, escalators, and HVAC units. All materials required for servicing are obtained by the maintenance personnel. A ventilated work area is used for painting and storage of small amounts of paint and empty paint cans. A back-up diesel generator is located in the boiler room along with two 55-gallon fuel storage drums. No other hazardous materials are stored on-site. Source: Marianne Porter, Assistant Store Manager, Operations, Emporium.

Pay Less Drug Store operates a silver recovery unit for its photo processing service but carries no other regulated materials in the store. The silver residue is transported off-site for refining and the waste solution is disposed to the sanitary sewer.

The mall maintenance staff uses small amounts of regulated materials, including paints, gasoline, diesel, and solvents that are used in general facility maintenance operations for touch-up and cleaning. Gasoline is used for operating leaf blowers and diesel is stored for a backup generator which is no longer in operation. Limited quantities of these materials are stored in within the maintenance and display preparation areas located in the parking structure. Minor oil stains were observed on the ground under the back-up generator. ATC/DEI did not observe other evidence of spills or illegal disposal of hazardous materials associated with these operations. Source: Henry Lichtman, Mall Manager.

Polychlorinated Biphenyls Survey

ATC/DEI identified 10 pad-mounted transformers within the Project Area boundaries. All electrical transformers were observed to be in good condition. According to Mr. Steve Woodward of Pacific Gas & Electric (PG&E), these transformers are owned and maintained by PG&E. Since 1983, PG&E has tested all the transformers and three were found to be PCB-containing (greater than 50 ppm PCBs); however, all three have been replaced with non-PCB containing transformers.

Fluorescent lights were observed throughout the facility. All fluorescent lights in the mall were installed in 1987 when the original outdoor shopping center was enclosed. The fluorescent lighting systems in the Mervyn's and Pay Less Drug Store were installed in 1984 when they were originally built. Since PCB-containing fluorescent light ballasts were phased out in the late 1970's, no further investigation is required for these systems. Emporium was unable to disclose its maintenance records of the fluorescent lighting. ATC/DEI has requested this information from Emporium and will forward its findings when it is received.

The two outlying buildings belong to Sears and are not a part of the Project Site. Sears would not grant ATC/DEI an interview until a written notice of approval is issued by their Corporate office.

IV. NEIGHBORING PROPERTY OPERATIONS

The Project Area is located in a mixed commercial/residential area. Perimeter streets are Las Gallinas Avenue to the north, Los Ranchitos Road to the east, and Northgate Drive to the south and west. East of the project area on Las Gallinas Avenue is a cemetery and small strip mall. In the strip mall are various retail/service businesses, including a dry cleaner and a Goodyear Tire and Brake Auto Center. North of the project area are several medical/dental offices and gasoline stations. West on Northgate Drive is a mixed residential/commercial area. Southwest of the project area is residential and southeast is predominantly commercial. ATC/DEI identified five former or existing gasoline stations in the immediate area that are discussed in detail as follows:

Sears Automotive Facility - 9000 Northgate Drive

Located at 9000 Northgate Drive is Sears Automotive Center and Tim's Car Radio, a former Sears Gasoline Station. Both of these facilities and Sears department store lie within the Project Area boundary but are not part of the Project Area. Two underground gasoline storage tanks were removed from the site of the former Sears Automotive Gasoline Station during the installation of two above-ground storage tanks (one 550-gallon and one 300-gallon oil tank) in 1986. The battery storage area was in good condition but battery acid residue was observed on the cement floor and by the doorway. Old batteries are stored in a secondary containment area with a concrete berm and sand on the floor. Battery vendors transport the old batteries off-site for proper disposal upon delivery of new ones.

The waste oil storage area is located on the south side of the building. In the storage area, one empty anti-freeze container is no longer used but remains on site. Several drums of old rotors and oil filters were also stored in this area. The concrete floor in the storage area was observed to be in good condition with minor oil stains.

Located in the work area are fourteen subsurface hydraulic lifts; all were reported to be in good condition. There is one elevator on the premises which was in working order and observed to be in good condition. Two compressors located on the second floor were in fair

condition, with only minor oil/grease stains on the concrete floor beneath. An exterior three-stage clarifier was located to the north of the building. The clarifier is connected to the TBA and is used infrequently.

No further investigation was allowed in the Sears store until the Sears corporate office could be notified for access permission. ATC/DEI will forward its findings when access is permitted.

Former Unocal Gas Station - 929 Del Presidio Boulevard

A vacant lot to the north of the Project Area, located at 929 Del Presidio Boulevard, was a former Unocal Gasoline Station site. Four underground storage tanks (USTs) were removed in 1991. Contamination was discovered during removal of the tanks and four monitoring wells were installed to sample the extent of contamination. The source/cause of discharge was unknown. After removal, in July, 1992, a permit was granted to aerate 150 cubic yards of stockpiled soil. The average degree of total petroleum hydrocarbons (TPH) as gasoline was 446 parts per million (ppm); no organic lead was detected in the samples.

A Quarterly Monitoring Report by Kaprealian Engineering, dated April 7, 1993, reported that the four monitoring wells had been monitored three times, and sampled once, in the quarter. Prior to the sampling, the wells were checked for free product and sheen, and none was found. In a letter to Unocal on June 8, 1993, Deputy Fire Marshal Forrest Craig, of the San Rafael Fire Department, delayed a request for site closure due to the presence of methyl tertiary butyl ether (MTBE) in at least two groundwater monitoring wells (no concentrations reported) and the extent of contamination in both soil and groundwater had not yet been fully defined. A preliminary site assessment is currently under way.

Chevron Gas Station - 949 Del Presidio Boulevard

North of the vacant lot is a Chevron Gasoline Station, located at 949 Del Presidio, where there are three underground storage tanks. On July 27, 1987, a broken dispenser filter was discovered and reported. The filter was repaired and about 15 gallons of released product was abated. A 90-day inventory audit was ordered to determine product loss. The audit

showed no appreciable variation, and no further investigation was undertaken. The letter does not discuss the method of disposal of the 15 gallons of product

Shell Gas Station - 950 Del Presidio Boulevard

A waste oil tank was removed from the Shell Service Station at 950 Del Presidio Boulevard on November 5, 1987. At the time the tank was removed, T. Underwood, an inspector for the Marin County Environmental Health Services noted numerous holes in the tank greater than 1/4 inch, and that the tank seams were rusted out. Samples from the tank excavation were analyzed for high-boiling-point hydrocarbons (EPA Method 8015), gravimetric petroleum oil, and purgeable hydrocarbons (EPA Methods 8010 and 8020). A soil sample collected from the tank's excavation at nine feet below grade contained 96 parts per million (ppm) gravimetric petroleum oil. Stockpiled soil was found to contain 900 ppm of total oil and grease. This soil was reportedly disposed of at a Class I landfill.

In 1989, soil samples were collected to 10 feet below ground surface (BGS), and no concentrations of petroleum hydrocarbons were found greater than the method detection limits. Groundwater monitoring in one well indicated 0.07 milligrams per liter (mg/L) total petroleum hydrocarbons as diesel in March 1990. No volatile hydrocarbons were detected. No further activities were recorded through June, 1992.

Exxon Gas Station - 930 Del Presidio Boulevard

The Exxon Service Station (Exxon RS 7-7067) located at 930 Del Presidio Boulevard operates three currently existing USTs. Subsurface investigations have been conducted since 1987, when liquid-phase hydrocarbons (LPH) were observed in a repair excavation for the diesel tank turbine pump. A soil vapor survey was conducted. Results indicated the presence of petroleum hydrocarbons in soil underlying the site and the adjacent streets, Las Gallinas Avenue and Del Presidio Boulevard. Groundwater monitoring wells have been installed at the site and a groundwater monitoring program is in place. Concentrations of petroleum hydrocarbons vary seasonally, with the greatest concentrations found in samples collected in the vicinity of the tank field in 1989. Free phase petroleum product was present in an upgradient well onsite. Soil samples contained TPHG at concentrations up to 2,000 ppm.

In February, 1992, a groundwater treatment system was constructed and began operation in February, 1993. Groundwater concentrations of TPHG, TPHD, and benzene have been found at 30,000 microgram/liter ($\mu\text{g/L}$), and 3,800 microgram/liter ($\mu\text{g/L}$), respectively. Source: Report of Quarterly Sampling and Analysis, Exxon Retail Site 7-7067, 930 Del Presidio Boulevard, San Rafael, California, EA Engineering, Science, and Technology, May, 1993.

Marin County Office of Environmental Health Services reported a gas spill of 10 gallons on May 4, 1993. Source: San Rafael Fire Department, Records Review on August 4, 1993

Off-Site Sources of Potential Contamination

Leaking Underground Storage Tanks (LUSTs)

Five sites are currently listed under the LUST list as follows:

1. Exxon Service Station #7-7067
930 Del Presidio/Las Gallinas
San Rafael, California 94903
1/4 mile north of Project Area
Also on RCRIS
2. Shell Gasoline Station
950 Del Presidio Boulevard
San Rafael, California 94903
1/4 mile north of Project Area
Also on CORTESE
3. Pacific Bell
7 Professional Center Parkway
San Rafael, California 94903
1/2 mile north-northeast of Project Area
Also on RCRIS

4. Fairchild Semiconductor
4300 Redwood Road
Pittsburg, California 94565
3/4 mile north-northeast of Project Area
Also on CORTESE

5. Chevron Gasoline Station
69 Mitchell Boulevard
San Rafael, California 94903
1 mile north-northeast of Project Area
Also on CORTESE

None of these sites are located up-gradient of the Project Area.

Potentially Contaminated Sites

Two sites currently listed in the LUST database are also on the RCRIS database. They are the Exxon Service Station #7-7067, a small quantity generator, and Pacific Bell, a large quantity generator. The database lists properties that are generators of hazardous waste. Inclusion on this list is not indicative of an environmental problem.

Three sites currently listed under the LUST database are also in the CORTESE database. This database lists properties of leaking/contaminated sites. The three sites are the Shell Gasoline Station, Fairchild Semiconductor and the Chevron Gasoline Station.

ATC/DEI did not observe any immediate or impending environmental threat from observable neighboring property operations.

V. PUBLIC RECORDS AND HISTORICAL DOCUMENT REVIEW

The purpose of the historical/agency records review is to trace activities on the site to the original owner and/or to undeveloped virgin land, in order to identify the present and past existence, use or release of environmentally regulated or hazardous substances at the Project Area.

Sanborn Map Collection, Sanborn Mapping and Geographic Information Service

A search of the Chadwick-Healy collection for the years 1867 to 1970 failed to reveal any available Sanborn Maps for review.

Historical Aerial Photographs

ATC/DEI has completed a review of aerial photographs provided by Pacific Aerial Surveys, Oakland, California. Photographs covering the years 1986, 1980, 1975, 1970, 1963, and 1950 were reviewed. The following is a descriptive account of observations made of the Project Area and immediate surrounding areas from these photographs.

<u>Year</u>	<u>Observations</u>
1986	The Project Area and surrounding neighborhood appeared similar to the currently existing retail facilities. All four gasoline stations previously referenced to the north of the Project Area were observed in the photo.
1980	The Project Area showed an outdoor shopping plaza with similar structures but without the Mervyn's and Pay Less Drug Store. The surrounding properties appeared relatively unchanged from the observations mentioned in the previous photograph.
1975	No substantive changes from the earlier photograph were noted.

- 1970 The Sears facilities were not observed on the photograph. The part of the lot where Sears currently is located was graded.
- 1963 The Project Area appeared to be recently graded and was under construction.
- 1950 The Project Area appeared to be bare land scattered with several trees. There were no apparent stains or storage of materials that might suggest an environmental area of concern on or near the Project Site.

Title Report Review

ATC/DEI reviewed Title Report Order Number 191717, effective July 5, 1991, prepared by California Land Title Company of Marin, for purposes of noting land use, deed restrictions, liens or easements which may be indicative of current or former hazardous materials activities on the Project Area. Upon reviewing the report, ATC/DEI observed an indication of a battery store that was not found in the mall. The Mall Management Office informed ATC/DEI that the battery store decided not to open the store. ATC/DEI did not observe other potentially environmental hazardous activities besides that noted above.

San Rafael Building and Planning Department

The San Rafael Building and Planning Department is the local agency responsible for monitoring, approving and administering local building codes and regulations. ATC/DEI interviewed Mr. Joe Curley, Supervising Building Inspector, regarding hazardous material activities in the neighborhood and reviewed files and permits for the Project Site. No environmental issues were found.

San Rafael Fire Department - Fire Prevention Division

The San Rafael Fire Prevention Division of the Fire Department is the agency responsible for files regarding hazardous material activities in the Project Area. However, the Fire Department needed written approval from The MaceRich Company before ATC/DEI could access their files. ATC/DEI will forward its findings to MaceRich when the Project Area files are made accessible. Source: Forrest Craig, Deputy Fire Marshal, Hazardous Material Division, file review request made on August 4, 1993.

Marin County Environmental Health Services Department

Marin County Environmental Health Services Department is the agency responsible for regulating and documenting hazardous materials storage and hazardous material spill incidents, and enforcement of state and local waste management laws, regulations and ordinances for areas within the County. Elizabeth Irvine of the Health Department told ATC/DEI that all files concerning the Project Area were transferred to the Fire Department. Source: Ms. Elizabeth Irvine, telephone interview on July 29, 1993.

Marin Municipal Water District

Marin Municipal Water District is the lead agency responsible for maintaining and regulating water quality in the Project Area and for monitoring investigations for leaking underground storage tanks. Marin Municipal Water District had no records on file concerning contamination of water supply in the Project Area. Source: Ms. Shelley Melville, Engineering Representative, July 30, 1993.

State of California, California Environmental Protection Agency: CAL-SITES

The California Environmental Protection Agency, Department of Toxic Substances Control (CEPA-DTSC) is the lead agency in the State of California responsible for the promulgation and enforcement of state waste management laws and regulations. The CEPA-DTSC maintains a list (CAL-SITES) of potential and known hazardous waste sites listed by zip code. The CAL-SITES list contains potential hazardous waste sites identified by the

historical Abandoned Site Program and Information Survey (ASPIS) and the current Rural Site Evaluation Program; neither the Project Site nor neighboring sites within a 1/2-mile radius of the Project Site were identified. Source: CAL-SITES list updated to January, 1993; Environmental Data Resources Radius Map Report, Report Number 29597-5, generated on July 18, 1993.

United States Environmental Protection Agency (USEPA), National Priorities List

The National Priorities List (NPL) identifies hazardous waste sites that are scheduled for cleanup actions utilizing federal funds. A site can be included in the NPL if: (1) the Agency for Toxic Substances and Disease Registry (ATSDR) of the U.S. Center for Disease Control (CDC) has issued a health advisory that recommends removing people from the site; (2) the EPA determines the site poses a significant threat to public health; and, (3) the EPA anticipates it will be more cost-effective to use its remedial authority than to use its emergency removal authority to respond to this site. The Project Area is not listed in the National Priorities List; nor are any sites within a one mile radius. Source: National Priorities List, as of October 15, 1992, Title 40 Code of Federal Regulations, Part 300 et. seq.

United States Environmental Protection Agency (USEPA), Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The Environmental Protection Agency (EPA) Region 9 is responsible for EPA programs in California. CERCLIS is a database utilized by the EPA to track activities conducted under the Federal Superfund Program. CERCLIS contains those potential hazardous waste sites which have been brought to the attention of the EPA. Potential hazardous waste sites other than those listed on the EPA CERCLIS list may exist. Sites on the CERCLIS list may include one or more of the following: 1) sites which may be potentially hazardous and requires further investigation, 2) sites which have been investigated and based on the investigation findings no further investigation or remedial action is planned under the Federal Superfund Program or 3) final and proposed National Priorities List (NPL) sites which have been investigated and EPA has determined the sites may represent a long-term threat to public health or the environment. Neither the Project Site nor neighboring sites within a 1/2-mile radius of the Project Site were identified on the CERCLIS. Source: United States

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Environmental Protection Agency (USEPA), Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS), as of April, 1993, Data Resources Radius Map Report, Report Number 29597-5, generated on July 18, 1993.

VI. FINDINGS

1. Exxon Gasoline Station, Shell Gasoline Station and Former Unocal Gasoline Station

ATC/DEI identified that the Exxon Gasoline Station located at 930 Del Presidio Boulevard, Shell Gasoline Station located at 950 Del Presidio Boulevard, and former Unocal Gasoline Station located at 929 Del Presidio Boulevard have leaking tanks and soil contamination problems. All sites have undergone varying degrees of remediation; however, none of them has successfully eliminated the contamination.

2. Sears Automotive Operations (Former Gasoline Station)

Sears formerly operated underground storage tanks at the facility from approximately 1971 to 1986. ATC/DEI interviewed various agencies and personnel familiar with the Project Area. To date, ATC/DEI does not have any information pertaining to the subsurface soils at, or immediately adjacent to, the former tank and piping zones. This site is located at the downgradient boundary of the Project Area and a petroleum release at the site would likely have a minimal impact to the Project Area.

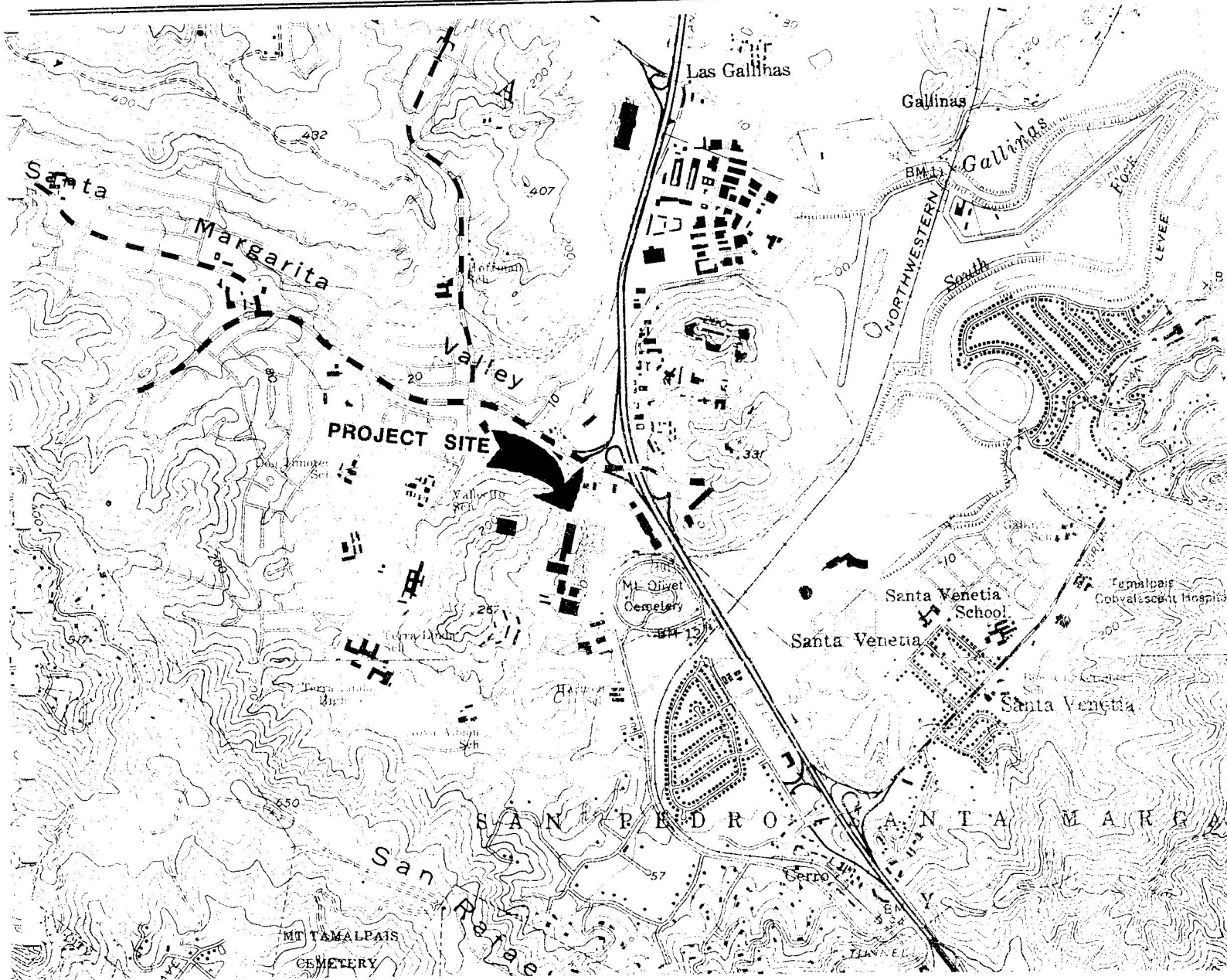
VII. LIMITATIONS

ATC/DEI has prepared this Environmental Site Assessment using reasonable efforts in each phase of its work to estimate the liabilities associated with environmentally regulated substances in the Project Area. The performance of this Environmental Site Assessment was in accordance with current professional standards for environmental assessments. Findings within this report are based on information collected from on-site observations and from available information obtained from governing public agencies/sources. The information contained within this report is limited to provided data and available documents.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. This report is not intended to be a construction document and should not be used for construction purposes. ATC/DEI makes no representation or warranty on any environmental concerns at or near the Project Area that were not readily accessible at the time of the site visit or available in the reviewed public records. ATC/DEI makes no representation or warranty that the operations at the Project Area are or have been in compliance with all applicable federal, state, and local laws, regulations and codes.

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NOT TO SCALE

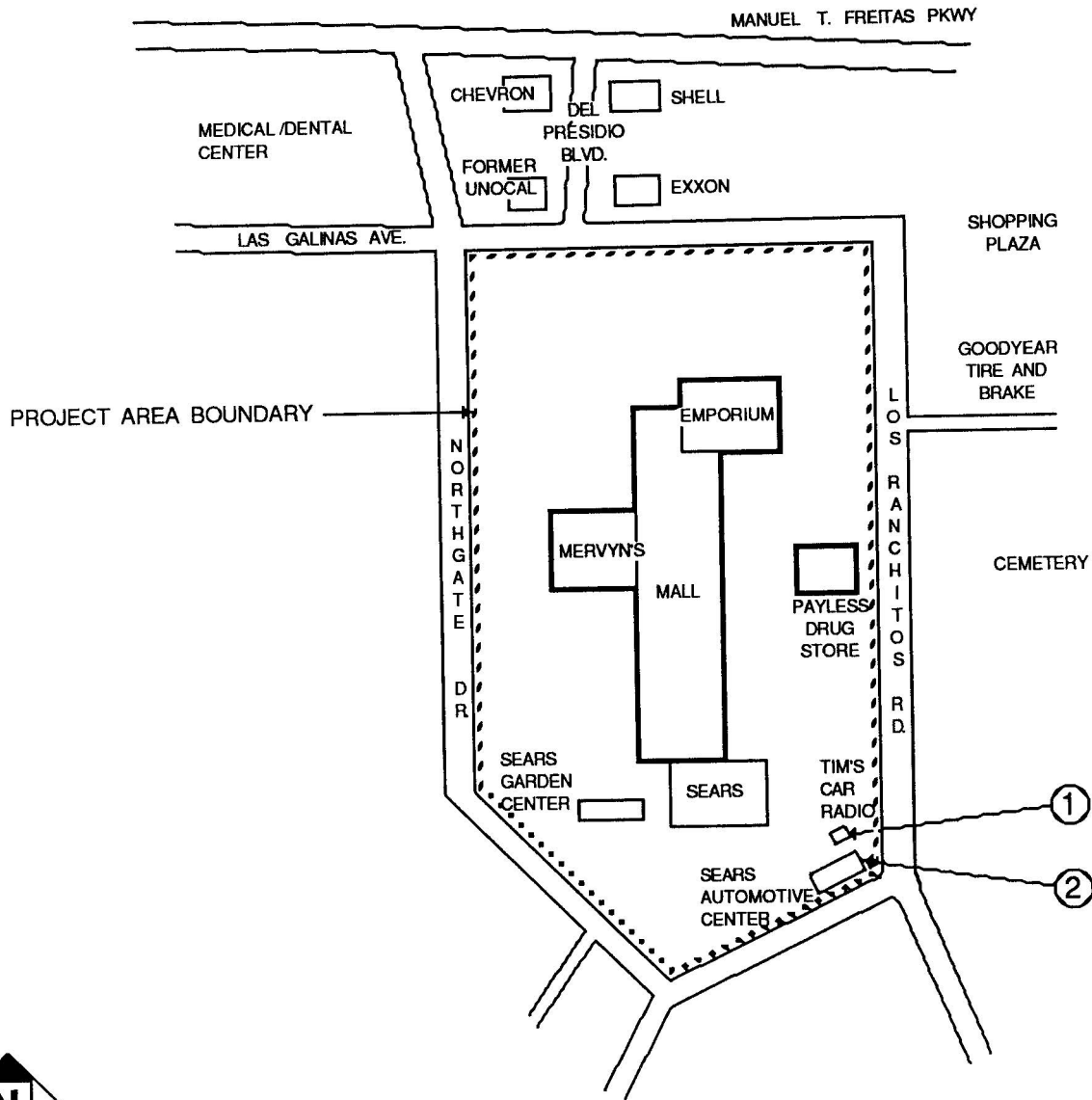
MAP SOURCE: SAN RAFAEL QUADRANGLE, CALIFORNIA, 7.5 MINUTE SERIES, UNITED STATES GEOLOGICAL SURVEY, 1954,
PHOTOREVISED 1980.

DIAGNOSTIC ENVIRONMENTAL INC.
PROJECT NO. D2088-0221

FIGURE 1 - SITE LOCATION

ENVIRONMENTAL SITE ASSESSMENT
THE MACERICH COMPANY - NORTHGATE MALL - SAN RAFAEL, CALIFORNIA

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**5800 NORTHGATE DRIVE
SAN RAFAEL, CALIFORNIA
SITE PLAN**

NOT TO SCALE

- 1: FORMER GAS STATION
- 2: OPERATING TBA



FLUOR DANIEL GTI

**DISPENSER ISLAND AND
PRODUCT LINE REMOVAL REPORT
SEARS STORE 1528
9000 NORTHGATE MALL
SAN RAFAEL, CALIFORNIA**

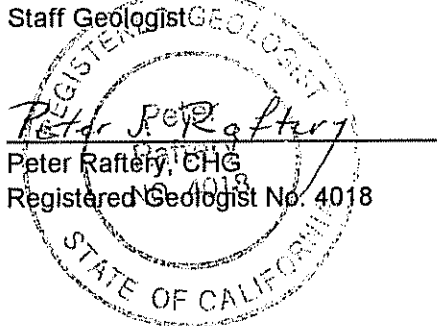
Fluor Daniel GTI Project 020200146

July 1, 1996

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3. Soil Analytical Results at Former New and Used Oil USTs

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2. Former New and Used Oil Product Line Soil Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994
3. Former New and Used Oil Product Line CAM Metal Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994

Appendixes

- A. Soil Disposal Documentation
- B. Soil Sampling Techniques - Quality Assurance/Quality Control, TPH-g and BTEX, EPA Method 8020, Laboratory Reports
- C. Total Lead, EPA Method 6010, Laboratory Reports
- D. TPH-d, EPA Method Modified 8015, Laboratory Reports
- E. TRPH, EPA Method 418.1, Laboratory Reports
- F. Volatile Organics, EPA Method 8240, Laboratory Reports
- G. California Assessment Metals, STLC and TTLC, Laboratory Reports
- H. Chain of Custody Forms

1.0 INTRODUCTION

This report documents the removal of dispenser islands, gasoline product lines, vent lines, new oil supply lines, and used oil line from Sears Store 1528, located at 9000 Northgate Mall, San Rafael, California (figure 1). Removal activities were performed between November 29 and December 1, 1994. The demolition and removal activities were performed by Norm Wilson and Sons, Inc., Paramount, California. Fluor Daniel GTI collected soil samples during the excavation and removal activities to assess the soil conditions and characterize the stockpiled soil for disposal. Fluor Daniel GTI also coordinated soil disposal, and prepared this report. Submittal of this report was delayed due to internal reorganization at Sears.

2.0 SITE HISTORY AND USAGE

2.1 Summary of Previous Investigations

Information provided by Sears indicates that two underground storage tanks (USTs) containing gasoline, one UST containing used oil, an unknown number of new oil USTs, and the product dispensers were removed several years ago (figure 1). The exact dates of the UST removal is not known. Fluor Daniel GTI was not supplied with additional information relating to the UST removal and is not aware of any other subsurface investigations conducted at this site.

2.2 Adjacent Site Uses

Surrounding properties include Sears Retail Store and Northgate Mall parking to the north, Las Golinas Avenue and a cemetery to the east, Sears Auto Repair Center and parking to the south, and a parking lot and residential properties to the west.

2.3 Scope of Work

The scope of work included overseeing the dispenser island and product line removal activities, soil sampling, soil disposal coordination, and project reporting.

Individual grab soil samples were collected at locations beneath the dispenser islands and along the product line trenches. Soil sampling was performed by Fluor Daniel GTI and directed by Captain Forrest Craig of the City of San Rafael Fire Department (SRFD). The samples were collected to determine if hydrocarbons or lead were present in the soil. Composite soil samples were collected from the soil stock piles for soil characterization prior to transportation and treatment at a thermal treatment plant in Arizona.

3.0 FIELD INVESTIGATION

3.1 Site Safety

Fluor Daniel GTI developed a Site Safety Plan to provide a safe working environment and to comply with Occupational Safety and Health Administration Regulation 29 CFR 1910.120. The Health and Safety Plan for the site is on file at Fluor Daniel GTI in Martinez, California. The plan is required to be on site during field work. All Fluor Daniel GTI field personnel and subcontractors are required to sign and comply with the plan. The plan is designed to identify hazards associated with the scope of work including drilling, excavation, sample collection, and the related chemicals of concern, and action levels. The plan includes emergency data, hospital route, and contact numbers. Use of the plan is intended to prevent accidents and reduce the risk of exposure to chemicals.

3.2 Permitting

Permitting for the dispenser island and product line removal was performed by Norm Wilson and Sons Inc. Underground Service Alert (USA) was notified prior to excavation and an excavation permit was obtained by Norm Wilson and Sons from the local fire protection district.

3.3 Dispenser Island Removal and Soil Characterization

3.3.1 Dispenser Island and Product Line Removal

Initial demolition activities began on November 29, 1994, and were completed December 1, 1994. This work included demolition of the dispenser island canopy and the dispenser islands, and the removal of the product lines, vent lines and new and used oil lines.

Sears contractor Norm Wilson and Sons used a backhoe to uncover the product lines and remove the dispenser islands. The soil directly above the product lines was removed with a shovel to avoid damaging the lines. The excavated soil and pea gravel was stock-piled on site.

Product lines were oriented approximately north-south, parallel to the dispenser islands, and approximately east-west between the dispenser islands and the former gasoline USTs (figure 2). The oil supply lines and used oil line were oriented north-south, perpendicular to the Sears Auto Center building (figure 3). All piping was removed by Jim Thorpe Oil, Inc.

Residual gasoline, used oil and water were drained from the product lines prior to removal. The residual product was contained in DOT-approved 55-gallon drums. Removal of these drums was coordinated by Sears.

3.3.2 Soil Characterization

Fluor Daniel GTI personnel field screened excavated soil with a photoionization detector (PID) so the contractor could segregate clean soil from soil containing hydrocarbons. All soil was stockpiled on and covered with plastic sheeting as directed by Fluor Daniel GTI personnel. Soil was segregated based on visual observations and PID field screening results. Any soil releasing hydrocarbon vapor at concentrations above 10 parts per million on the PID or visually stained by hydrocarbons was stockpiled. Approximately 34 cubic yards of soil was sampled for disposal/treatment and securely covered with plastic. The soil stockpiles were transported from the site by Southwest Soil Remediation, Inc., and treated by thermal processing at Remat in Buckeye, Arizona. Disposal documentation is included in appendix A.

3.4 Soil Sampling

Fluor Daniel GTI sampling procedures and protocol are included in appendix B; samples were collected with SRFD oversight. Soil samples were field screened with a PID using headspace methodologies and were sent by overnight delivery to GTEL Environmental Laboratories in Concord, California, for analysis.

Seventeen soil samples were collected from underneath the dispenser islands, gasoline product lines and vent lines at depths of 2 to 4 feet beneath the piping (table 1, figure 2). The soil samples were analyzed for the following constituents:

- total petroleum hydrocarbons as gasoline (TPH-g) by EPA Method 8015 (modified)
- benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020
- total lead by EPA Method 6010

Five soil samples were collected from underneath the used oil line and oil supply lines at 2 to 5 feet below the piping (tables 2 and 3, figure 3). The soil samples were analyzed for the following constituents:

- TPH-g and total petroleum hydrocarbons as diesel (TPH-d) by EPA Method 8015 (modified)
- total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1
- volatile organics by EPA Method 8240
- California Assessment Metals (CAM metals) by EPA 6000/7000 series analyses.

4.0 FINDINGS

Soil analytical results are summarized in tables 1, 2 and 3, and figures 2 and 3. The analytical reports are included in appendixes B through H.

4.1 Soil Sample Results Island A

Six soil samples were collected at dispenser island A (table 1 and figure 2). None of the soil samples contained detectable concentrations of TPH-g or BTEX. Concentrations of total lead ranged from 6 milligrams per kilogram (mg/kg) in sample ATW-2/3 to 10 mg/kg in sample ATW-1/3.

4.2 Soil Sample Results Island B

Six soil samples were collected at dispenser island B (table 1 and figure 2). None of the soil samples contained detectable concentrations of TPH-g or BTEX. Concentrations of total lead ranged from 7 mg/kg in sample BTW-1/3 to 11 mg/kg in sample BTE-1/3.

4.3 Soil Sample Results Main Product Line Trench

Five soil samples were collected at the main trench between the dispenser islands and the former gasoline USTs (table 1 and figure 2). None of the soil samples contained detectable concentrations of TPH-g or BTEX. Concentrations of total lead ranged from below the detection limit of 5 mg/kg in sample MT-5/4 to 9 mg/kg in three of the other samples.

4.4 Soil Sample Results Used Oil line Trench

Two soil samples were collected along the used oil line excavation trench. No concentrations of TPH-g, TPH-d, or volatile organics were detected. Concentrations of TRPH were 7 mg/kg in sample WO-1/2 and 19 mg/kg in sample WO-2/4. CAM metals results for the used oil supply line samples are summarized in table 3.

4.5 Soil Sample Results New Oil line Trench

Three soil samples were collected along the new oil line excavation trench. No concentrations of TPH-g, TPH-d, or volatile organics were detected. Concentrations of TRPH were below the detection limit in samples NO-1/2 and NO-3/5 and 11 mg/kg in sample NO-2/4. CAM metals results for the used oil line supply line samples are summarized in table 3.

5.0 ANALYTICAL REVIEW

Analytical results from the gasoline dispenser islands indicate gasoline hydrocarbons are not present in soil at the product line areas or the dispenser island areas.

Analytical results from the oil supply line and used oil UST areas indicate that very low levels of hydrocarbons are present in the soil in those two areas and that no volatile organics were present. Metals detected at concentrations above 100 mg/kg and below 211 mg/kg in the new and used oil product line areas include barium, total chromium and nickel.

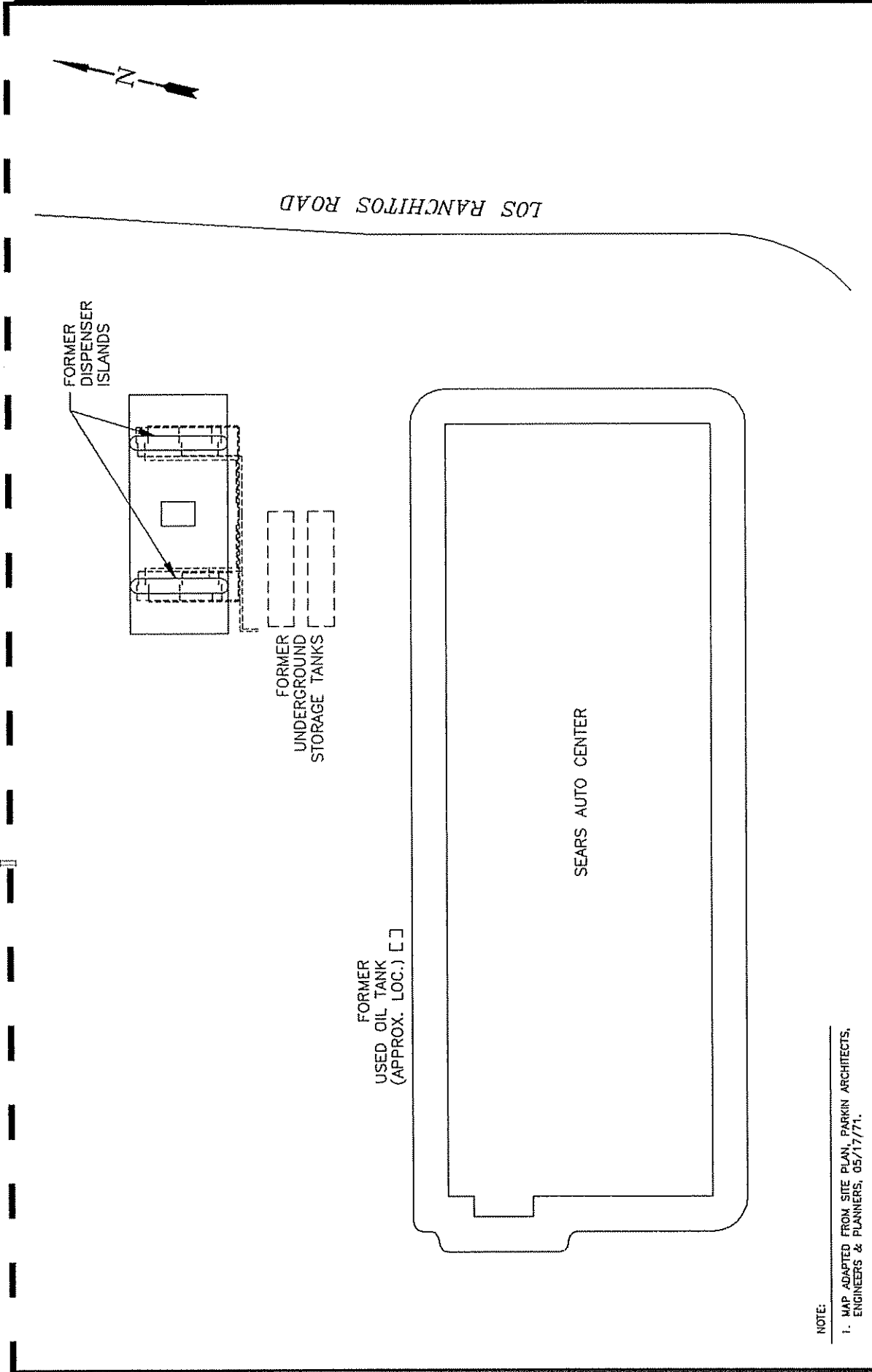
6.0 PETROLEUM HYDROCARBON EXPOSURE CONCERNS

The common exposure routes of petroleum hydrocarbons in humans and animals are inhalation of vapors, ingestion of hydrocarbon-containing material, and skin or eye contact with hydrocarbons. Currently there are no excavations or construction projects that would expose soil containing hydrocarbons on site or adjacent to the site. The site is covered with asphalt and concrete and there does not appear to be any potential risk to the public of contacting soil that contains hydrocarbons.

Based upon the findings of this investigation, Fluor Daniel GTI, on behalf of Sears, Roebuck and Co. proposes no further action at Sears Store 1528 in San Rafael, California.



FIGURES

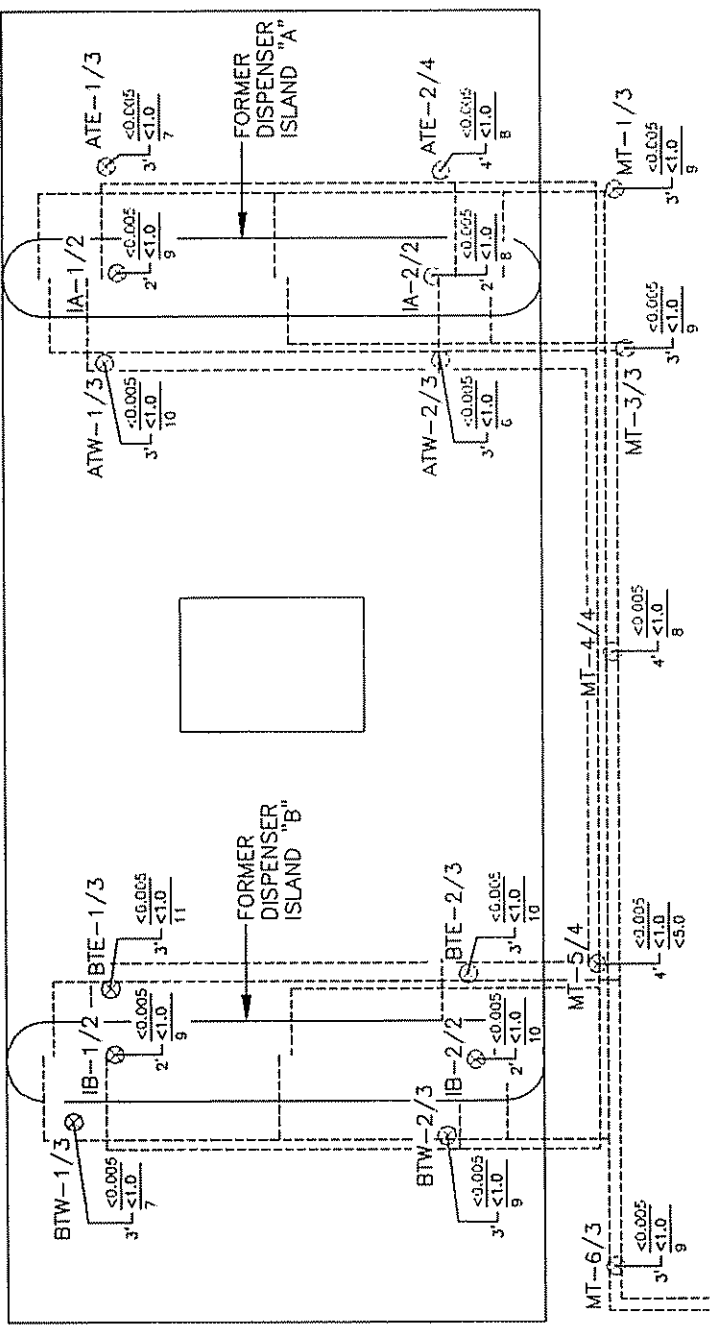
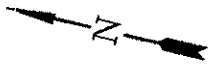
1. Site Plan
2. Soil Analytical Results at Former Dispenser Islands
3. Soil Analytical Results at Former New and Used Oil USTs



NOTE:

1. MAP ADAPTED FROM SITE PLAN, PARKIN ARCHITECTS, ENGINEERS & PLANNERS, 05/17/71.

 FLUOR DANIEL GTI	PROJECT NO.: 020200025	SCALE 	CLIENT: SEARS MERCHANDISE GROUP STORE No. 1528		SITE PLAN	
	REV.: 0025SM (1:480)	DATE: 12/20/94	DET.: PJWH	DES.: PM		



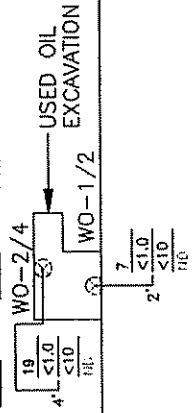
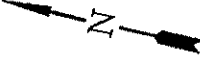
EXPLANATION

- ⊙ SOIL SAMPLE LOCATION
- ⊖ <math>\frac{≤ 0.005}{≤ 1.0}</math> BENZENE (mg/kg)
- ⊖ <math>\frac{≤ 0.005}{≤ 1.0}</math> TPH AS GASOLINE (mg/kg)
- ⊖ <math>\frac{≤ 0.005}{≤ 1.0}</math> TOTAL LEAD (mg/kg)
- ⊖ <math>\frac{≤ 0.005}{≤ 1.0}</math> BENZENE DETECTION LIMIT (mg/kg)
- ⊖ <math>\frac{≤ 0.005}{≤ 1.0}</math> TPH AS GASOLINE DETECTION LIMIT (mg/kg)
- ⊖ <math>\frac{≤ 0.005}{≤ 1.0}</math> TOTAL LEAD DETECTION LIMIT (mg/kg)

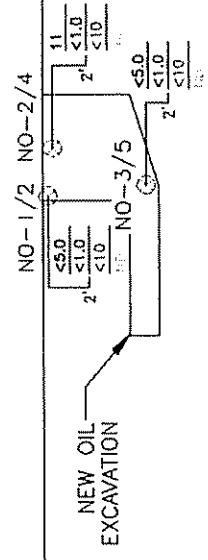
NOTE: 1. SAMPLE LOCATIONS PER FIELD MEASUREMENTS, OCT, 12/94.

SAMPLED ON: 11/30/94 AND 12/01/94

<p>FLUOR DANIEL GTI</p>	<p>CLIENT: SEARS MERCHANDISE GROUP STORE No. 1528</p>	<p>PROJECT NO.: 020200146</p>
	<p>LOCATION: 9000 NORTHCATE MALL SAN RAFAEL, CA</p>	<p>DES.: JM DET.: CCG DATE: 06/04/96</p>
<p>0 FEET SCALE</p>		<p>FIGURE: 2</p>



SEARS AUTO CENTER



EXPLANATION

SOIL SAMPLE LOCATION

- 7
2' | ≤ 1.0 (TPH)
| ≤ 1.0 (TPH)
| 10 (VOLATILE ORGANICS (mg/kg))
- 11
2' | ≤ 5.0 (TPH)
| ≤ 1.0 (TPH)
| ≤ 1.0 (TPH)
| 10 (VOLATILE ORGANICS (mg/kg))

SAMPLED ON: 11/30/94

NOTE:
1. SAMPLE LOCATIONS PER FIELD MEASUREMENTS, GTI, 12/94.



FLUOR DANIEL GTI

PROJECT NO.: 020200146

REV.:

CLIENT: SEARS MERCHANDISE GROUP
STORE No. 1528

LOCATION: 9000 NORTHGATE MALL
SAN RAFAEL, CA

DES.: JM DET.: CCG DATE: 06/04/96

**SOIL ANALYTICAL RESULTS
AT FORMER NEW AND USED OIL USTS**

PM: PE/RG: FIGURE: 3

TABLES

1. Former Dispenser Island Soil Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, and December 1, 1994
2. Former New and Used Oil Product Line Soil Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994
3. Former New and Used Oil Product Line CAM Metal Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994

TABLE 1
Former Dispenser Island Soil Analytical Results
Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Gasoline Dispenser Island Samples							
Samples	Date	TPH-g	B	T	E	X	Total Lead
Island A soil samples							
IA-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IA-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	7
ATE-2/4	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	10
ATW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	6
Island B Soil Samples							
IB-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IB-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	11
BTE-2/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	7
BTW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
Main Trench Soil Samples							
MT-3/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-4/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	8
MT-5/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	<5
MT-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-6/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Total lead analyzed using EPA Method 6010

TPH-g = total petroleum hydrocarbons as gasoline, B = benzene, T = toluene, E = ethylbenzene, X = total xylenes; analyzed using EPA Method 8020
 < Number = below reported detection limits

TABLE 2
Former New and Used Oil Product Line Soil Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Samples	Date	TRPH	TPH-g	TPH-d	Volatile Organics
Used Oil Supply Line Soil Samples					
WO-1/2	11/30/94	7	<1	<10	ND
WO-2/4	11/30/94	19	<1	<10	ND
New Oil Supply Line Soil Samples					
NO-1/2	11/30/94	<5	<1	<10	ND
NO-2/4	11/30/94	11	<1	<10	ND
NO-3/5	11/30/94	<5	<1	<10	ND

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Volatile organics analyzed using EPA Method 8240A

TRPH = total recoverable petroleum hydrocarbons; analyzed using EPA Method 3550/418.1
 TPH-g = total petroleum hydrocarbons as gasoline, B = benzene, T = toluene, E = ethylbenzene, X = total xylenes; analyzed using EPA Method 8020
 TPH-d = total petroleum hydrocarbons as diesel; analyzed using EPA Method Modified 8015
 < Number = below reported detection limits
 ND = not detected

TABLE 3
Former New and Used Oil Product Line Soil CAM Metal Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, 1994

Used Oil/Oil Supply Samples						
Analyte	Date	WO-1/2	WO-2/4	NO-1/2	NO-2/4	NO-3/5
Antimony	11/30/94	<5	<5	<5	<5	<5
Arsenic	11/30/94	5.5	2.5	4.0	9.3	7.5
Barium	11/30/94	150	55	100	130	170
Beryllium	11/30/94	0.6	<0.5	<0.5	<0.5	0.6
Cadmium	11/30/94	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	11/30/94	30	38	92	68	210
Cobalt	11/30/94	9	8	19	16	21
Copper	11/30/94	28	11	17	47	35
Lead	11/30/94	8	<5	6	6	8
Mercury	11/30/94	<0.1	<0.1	<0.1	0.1	0.1
Molybdenum	11/30/94	1	<1	<1	1	1
Nickel	11/30/94	41	59	100	110	180
Selenium	11/30/94	<5	<5	<5	<5	<5
Silver	11/30/94	<1	<1	<1	<1	<1
Thallium	11/30/94	<5	<5	<5	<5	<5
Vanadium	11/30/94	32	22	44	44	46
Zinc	11/30/94	58	34	35	69	70

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Analyzed using EPA Methods 6010, 7060, and 7470

<Number = Below reported detection limit

APPENDIXES

- A. Soil Disposal Documentation
- B. Soil Sampling Techniques - Quality Assurance/Quality Control, TPH-g and BTEX, EPA Method 8020, Laboratory Reports
- C. Total Lead, EPA Method 6010, Laboratory Reports
- D. TPH-d, EPA Method Modified 8015, Laboratory Reports
- E. TRPH, EPA Method 418.1, Laboratory Reports
- F. Volatile Organics, EPA Method 8240, Laboratory Reports
- G. California Assessment Metals, STLC and TTLC, Laboratory Reports
- H. Chain of Custody Forms

APPENDIX A
SOIL DISPOSAL DOCUMENTATION

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO. _____

1. NAME: Sears Roebuck & Company Store # 1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~200~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE #: (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID No. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (common name by which waste is referred):
Stockpiled Soil Containing Petroleum Hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: Gasoline Diesel Fuel Jet Fuel Fuel Oil
 Waste Oil Other _____
12. Is the waste hazardous under FEDERAL REGULATIONS? YES NO
If yes, is the waste LISTED or CHARACTERISTIC?
N/A
What is the EPA HAZARDOUS WASTE NUMBER? _____
13. Is the waste hazardous under STATE REGULATIONS? YES NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

BP

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TUSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? two (2)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YR
23. What volume of waste is currently stockpiled, if any? 2 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) 2 yards

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnert 29. PHONE NO.: (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (if applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner 33. PHONE NO.: 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

Bernadine Palka
 (Signature)

TITLE: Manager Environmental Engineering

DATE: 31 May 95

1528 (a)
 11P



830 N. Miller Road
Buickaya, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(9)
BPP



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6000
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants Gasoline

GENERATOR: Sears Roebuck & Company STORE # 1528

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

BOP
152869

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO. _____

1. NAME: Sears Roebuck & Company Store #1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~200~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE # (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID No. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (COMMON name by which waste is referred):
Stockpiled soil containing petroleum hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: () Gasoline! () Diesel Fuel! () Jet Fuel! () Fuel Oil # _____
(X) Waste Oil (X) Other Used Oil _____
12. Is the waste hazardous under FEDERAL REGULATIONS? () YES (X) NO
If yes, is the waste () LISTED or () CHARACTERISTIC?
What is the EPA HAZARDOUS WASTE NUMBER? N/A
13. Is the waste hazardous under STATE REGULATIONS? () YES (X) NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TOSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? thirty-two (32)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YR
23. What volume of waste is currently stockpiled, if any? 32 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) _____

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnett
29. PHONE NO. (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (If Applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner
33. PHONE NO. 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

Bernadine A. Palka
 (Signature)

TITLE: Manager Environmental Engineering

DATE: 31 May 95

15286



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6500
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE #1528
LOCATION: 9000 Northgate Mall, San Rafael, CA
SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering
NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants used oil/virgin oil

GENERATOR: Sears Roebuck & Company STORE # 1528
SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering
NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)



Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael
 Work Order Number: CA-12-0018

Western Region
 4080 Pike Lane, Suite C
 Concord, CA 94520
 (510) 685-7852
 (800) 544-3422 Inside CA
 FAX (510) 825-0720

December 13, 1994

Eileen Brennan
 Groundwater Technology, Inc.
 275 South Temple, Suite 321
 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
 GTEL Environmental Laboratories, Inc.

Rashmi Shah
 for
 Rashmi Shah
 Laboratory Director

NO - waste oil samples
 NO - gasoline samples

1528 (9)
 BOP

Client Number: 020200025
 Project ID: Sears 1526
 8000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil
 by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	7	110	18	<5
Detection Limit Multiplier		1	2.5	1	1

- The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
- Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

1528(9)
 BAF

Client Number: 020200025
 Project ID: Sears 152B
 9000 Northgate
 San Rafael, CA
 Work Order Number: CA-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil
by Infrared Spectrometry¹EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number	12	13	14	120194 TPH
Client Identification	NO-2/4	NO-C	NO-3/5	METHOD BLANK
Date Sampled	11/30/94	11/30/94	11/30/94	--
Date Prepared	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Total Petroleum Hydrocarbons	5	11	26	<5
Detection Limit Multiplier		1	1	1

- The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
- Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

1528(F)
BOP

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	—
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

1. O-Terphenyl surrogate recovery acceptability limits are 50-150% Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. 0, U.S. EPA, November, 1986.

15225(9)
BOP

GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-08	C4110454-09	C4110454-10	C4110454-11
Client ID	40-172	40-3	40-2	40-172
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Wet Weight			
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (surrogate)	--	%	88.9	87.9	93.3	82.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:1

1528(7)
 RSP



GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-12	C4110454-13	C4110454-14
Client ID	020200025	020200025	020200025
Date Sampled	11/30/94	11/30/94	11/30/94
Date Analyzed	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight		
	Limit	Units			
TPH as Gasoline	1.0	mg/Kg	< 1.0	< 1.0	< 1.0
BFB (surrogate)	--	%	85.0	90.6	87.9

Notes:**Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:
 "Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-646. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:2

1528(9)
 BFB

Client Number: 020200025
Project ID: Sears #1528
Northgate Mall San Rafael
Work Order Number: CA-12-0011



Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

1528 (9)
BOP

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

1528(5)
BDF

Client Number: 020200025
 Project ID: Sears # 1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

1528(5)
BOP

Client Number: 020200025
 Project ID: Seare #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethane, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

1528 (5)
BOP

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

15328(9)
BOP?

Client Number: 02020028
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10			
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5			
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

15328(5)
1328

Client Number: 020200025
 Project ID: Sears # 1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number		120694 MSC		
Client Identification		METHOD BLANK		
Date Sampled		-		
Date Analyzed		12/06/94		
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg		
trans-1,3-Dichloropropene	5	<5		
2-Chloroethylvinyl ether	10	<10		
Bromoform	5	<5		
4-Methyl-2-pentanone	20	<20		
2-Hexanone	20	<20		
Tetrachloroethene	5	<5		
1,1,2,2-Tetrachloroethane	5	<5		
Toluene	5	<5		
Chlorobenzene	5	<5		
Ethylbenzene	5	<5		
Styrene	5	<5		
1,2-Dichlorobenzene	10	<10		
1,3-Dichlorobenzene	10	<10		
1,4-Dichlorobenzene	10	<10		
Xylene, total	10	<10		
Trichlorofluoromethane	5	<5		
Detection Limit Multiplier		1		
DCE surrogate, % recovery		105		
TOL surrogate, % recovery		113		
BFB surrogate, % recovery		96.2		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis

1528(9)
BDF

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLG)_B

GTEL Sample Number			08	09	10	11
Client Identification			WO-1/2	WC-C	WO-2/4	NO-1/2
Date Sampled			11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared (Method 3055 ^b)			12/07/94	12/07/94	12/07/94	12/07/94
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94
Date Prepared and Analyzed (Method 7470)			12/07/94	12/07/94	12/07/94	12/07/94
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010 ^c	1	150	180	55	100
Beryllium	EPA 6010 ^c	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	30	62	98	92
Cobalt	EPA 6010 ^c	1	9	15	8	19
Copper	EPA 6010 ^c	1	28	27	11	17
Lead	EPA 6010 ^c	5	8	9	<5	6
Mercury	EPA 7470 ^e	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	1	<1	<1
Nickel	EPA 6010 ^c	2	41	90	59	100
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	32	35	22	44
Zinc	EPA 6010 ^c	5	58	56	34	35
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

1528(5)
 BDP

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: CA-12-0011

ANALYTICAL RESULTS
CAM List of Metals in Soil (TTL)_a

GTEL Sample Number		12	13	14	120794 MET	
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK	
Date Sampled		11/30/94	11/30/94	11/30/94	-	
Date Prepared (Method 3055 ^b)		12/07/94	12/07/94	12/07/94	12/07/94	
Date Analyzed (Method 6010)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Analyzed (Method 7060)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Prepared and Analyzed (Method 7470)		12/07/94	12/07/94	12/07/94	12/07/94	
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5
Barium	EPA 6010 ^c	1	130	120	170	<1
Beryllium	EPA 6010 ^c	0.5	<0.5	<0.5	0.6	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	68	51	210	<1
Cobalt	EPA 6010 ^c	1	16	11	21	<1
Copper	EPA 6010 ^c	1	47	42	35	<1
Lead	EPA 6010 ^c	5	6	6	8	<5
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	<1	1	<1
Nickel	EPA 6010 ^c	2	110	85	180	<2
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^c	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	44	40	46	<1
Zinc	EPA 6010 ^c	5	69	80	70	<5
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVA).

1528(9)
 BOP

APPENDIX B

**SOIL SAMPLING TECHNIQUES - QUALITY ASSURANCE/QUALITY CONTROL,
TPH-G AND BTEX, EPA METHOD 8020, LABORATORY REPORTS**

SOIL SAMPLING TECHNIQUES QUALITY ASSURANCE AND QUALITY CONTROL

To prevent cross contamination between samples, the sampler was washed prior to each sampling using the "three bucket" wash system. This system involves the following steps:

1. washing the split-spoon sampler in a detergent and water solution
2. rinsing the sampler in tap water
3. rinsing the sampler in distilled water

To maintain the integrity of the samples, all samples were collected using the following methods:

1. collected in 6-inch brass sample tubes
2. sealed with foil or Teflon caps
3. wrapped with duct tape
4. properly labeled and listed on completed custody forms
5. placed in plastic bags
6. placed in a cooler and chilled on ice
7. delivered to a State-certified laboratory

All soil samples were refrigerated and stored at the laboratory for 30 days in case subsequent analyses were required.

GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4110454-01	C4110454-02	C4110454-03	C4110454-04
Client ID	ATH-2/3	ATH-2/3	ATH-2/3	ATH-2/3
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	96.9	86.5	66.2	85.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:1



GTel Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organic
 Method: EPA 8021
 Matrix: Solid

GTel Sample Number	C4110454-05	C4110454-06	C4110454-07
Client ID	KT-5/3	KT-5/4	KT-5/4
Date Sampled	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00

Analyte	Reporting Limit		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Ethyl Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	
BFB (Surrogate)	--	%	82.6	88.9	66.7	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTel Concord, CA
 C4110454:2

GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-01	C4120017-02	C4120017-03	C4120017-04
Client ID	MT 1/3	MT 6/3	TA 1/2	TA 2/2
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	89.3	89.0	84.9	91.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:1



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-05	C4120017-06	C4120017-07	C4120017-08
Client ID	IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	72.1	62.9	82.4	83.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:2



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-09	C4120017-10	--	--
Client ID	ATE 1/3	ATE 2/4	--	--
Date Sampled	12/01/94	12/01/94	--	--
Date Analyzed	12/02/94	12/01/94	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting		Concentration:Wet Weight		
	Limit	Units			
Benzene	0.005	mg/kg	< 0.005	< 0.005	--
Toluene	0.005	mg/kg	< 0.005	< 0.005	--
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	--
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	--
BFB (Surrogate)	--	%	90.5	84.1	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:3



GTel Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTel Sample Number	C4110454-08	C4110454-09	C4110454-25	C4110454-11
Client ID	NC-172	NC-0	NC-274	NC-172
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Wet Weight			
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (surrogate)	--	%	88.9	87.9	93.3	82.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-12	C4110454-31	C4110454-04
Client ID	NO-24	NO-3	NO-3/S
Date Sampled	11/30/94	11/30/94	11/30/94
Date Analyzed	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Wet Weight		
TPH as Gasoline	1.0	mg/kg	<1.0	<1.0	<1.0
BFB (surrogate)	--	%	85.0	90.6	87.9

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.



GTEL Client ID: 020200025
Login Number: C4110454
Project ID (number): 020200025
Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Solids

Method Blank Results

QC Batch No: A113094-1
Date Analyzed: 30-NOV-94

Analyte	Method: EPA 8020	Concentration: mg/kg
Benzene	< 0.0050	
Toluene	< 0.0050	
Ethylbenzene	< 0.0050	
Xylenes (Total)	< 0.015	
TPH as Gasoline	< 1.0	

Notes:

APPENDIX C

TOTAL LEAD, EPA METHOD 6010, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	2	BTW 03	BTW 04
Client Identification		ATW-1/3	ATW-2/3	BFE-1/3	BFE-2/3
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	10	6	7	9
Detection Limit Multiplier		1	1	1	1

lab errors

GTEL Sample Number		05	06	07	120294 MET
Client Identification		MT-3/3	MT-4/4	MT-5/4	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	8	<5	<5
Detection Limit Multiplier		1	1	1	1

Client Number: 00000005
 Project ID: 8888 1000
 8000 Northgate
 San Rafael
 Work Order Number: 04-12-0018

ANALYTICAL RESULTS

Lead in Soil

EPA Method 8010*

* Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		MT 1/3	MT 6/3	IA 1/2	IA 2/2
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	9	9	8
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05	06	07	08
Client Identification		IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	10	11	10
Detection Limit Multiplier		1	1	1	1

Client Number: 00000000
 Project ID: 0000 9028
 0000 Marygate
 San Rafael
 Work Order Number: CA-42-0098

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 1, US EPA November 1988. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		09	10	120294 MET
Client Identification		ATE 1/3	ATE 2/4	METHOD BLANK
Date Sampled		12/01/94	12/01/94	-
Date Prepared		12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Lead, total	5	7	8	<5
Detection Limit Multiplier		1	1	1



APPENDIX D

TPH-D, EPA METHOD MODIFIED 8015, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: CA-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	--
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

^a O-Terphenyl surrogate recovery acceptability limits are 50-150%. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.

APPENDIX E

TRPH, EPA METHOD 418.1, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	7	110	19	<5
Detection Limit Multiplier		1	2.5	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number	12	13	14	120194 TPH
Client Identification	NO-2/4	NO-C	NO-3/5	METHOD BLANK
Date Sampled	11/30/94	11/30/94	11/30/94	-
Date Prepared	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Total Petroleum Hydrocarbons	5	11	26	<5
Detection Limit Multiplier		1	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

APPENDIX F

VOLATILE ORGANICS, EPA METHOD 8240, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 02020025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	—
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10			
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5			
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5			
2-Chloroethylvinyl ether	10	<10			
Bromoform	5	<5			
4-Methyl-2-pentanone	20	<20			
2-Hexanone	20	<20			
Tetrachloroethene	5	<5			
1,1,2,2-Tetrachloroethane	5	<5			
Toluene	5	<5			
Chlorobenzene	5	<5			
Ethylbenzene	5	<5			
Styrene	5	<5			
1,2-Dichlorobenzene	10	<10			
1,3-Dichlorobenzene	10	<10			
1,4-Dichlorobenzene	10	<10			
Xylene, total	10	<10			
Trichlorofluoromethane	5	<5			
Detection Limit Multiplier		1			
DCE surrogate, % recovery		105			
TOL surrogate, % recovery		113			
BFB surrogate, % recovery		96.2			

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

APPENDIX G

CALIFORNIA ASSESSMENT METALS, STLC AND TTLC, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number			08	09	10	11
Client Identification			WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled			11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared (Method 3055 ^b)			12/07/94	12/07/94	12/07/94	12/07/94
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94
Date Prepared and Analyzed (Method 7470)			12/07/94	12/07/94	12/07/94	12/07/94
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010 ^c	1	150	180	55	100
Beryllium	EPA 6010 ^c	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	30	62	38	92
Cobalt	EPA 6010 ^c	1	9	15	8	19
Copper	EPA 6010 ^c	1	28	27	11	17
Lead	EPA 6010 ^c	5	8	9	<5	6
Mercury	EPA 7470 ^e	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	1	<1	<1
Nickel	EPA 6010 ^c	2	41	90	59	100
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	32	35	22	44
Zinc	EPA 6010 ^c	5	58	56	34	35
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS
CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number	12	13	14	120794 MET		
Client Identification	NO-2/4	NO/C	NO-3/5	METHOD BLANK		
Date Sampled	11/30/94	11/30/94	11/30/94	-		
Date Prepared (Method 3055 ^b)	12/07/94	12/07/94	12/07/94	12/07/94		
Date Analyzed (Method 6010)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Analyzed (Method 7060)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Prepared and Analyzed (Method 7470)	12/07/94	12/07/94	12/07/94	12/07/94		
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5
Barium	EPA 6010 ^c	1	130	120	170	<1
Beryllium	EPA 6010 ^c	0.5	<0.5	<0.5	0.6	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	68	51	210	<1
Cobalt	EPA 6010 ^c	1	16	11	21	<1
Copper	EPA 6010 ^c	1	47	42	35	<1
Lead	EPA 6010 ^c	5	6	6	8	<5
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	<1	1	<1
Nickel	EPA 6010 ^c	2	110	85	180	<2
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	44	40	46	<1
Zinc	EPA 6010 ^c	5	69	80	70	<5
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
 b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
 c. Inductively Coupled Argon Plasma (ICP).
 d. Graphite Furnace Atomic Absorption (GFAA).
 e. Cold Vapor Atomic Absorption (CVAA).

APPENDIX H
CHAIN OF CUSTODY FORMS



4080 MIKE LAINE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

33111

ANALYSIS REQUEST

Company Name: **GTI** Phone #: **30200**

Company Address: **Santa Lake City office**
Northgate Mall
San Rafael

Project Manager: **Eileen Brennan**
Client Project ID: **0808000025**
INAMI: **SAWS # 1528**
Sampler Name (Print): **Terry James**

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling	
			WATER	AIR	SLUDGE	PRODUCT	OTHER	HCl	H ₂ SO ₄	ICR	OTHER	DATE
ATW-1/3	01	1	X					X	X		11/30	10:41
ATW-2/3	02	1									10:59	
BTW 1/3	03	1									11:05	
BTW 2/3	04	1									11:09	
MT-3/3	05	1									11:18	
MT-4/4	06	1									11:27	
MT-5/4	07	1									11:37	
WO-1/2	08	1									12:15	
WO-C	09	1									12:30	
WO-2/4	10	1									12:30	
WO-1/2	11	1									12:40	

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

QA/QC Level: **Standards**
GTEL Contact: **Sherry Cardillo**
Contract #: **12/16/14**
Confirmation #: **12/16/14**
P.O. #: **12/16/14**

Work Order #: **C4110454-24 HR RUSH**

Received by: **[Signature]** Date: **12/16/14**

Received by: **[Signature]** Date: **12/16/14**

Received by Laboratory: **[Signature]** Date: **12/16/14**

Waybill #

Storage Location

REMARKS: **All samples for BTEX/GAS, GAS & Diesel 418.1 - 24 HOUR RUSH. All other analysis std. FAT.**

CUSTODY RECORD

UTAH-UT-CUS STUDY RECORD AND ANALYSIS REQUEST

ALUMINUM, IRON, SILICA
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

Company Name: Phone 415 661-2384
Company Address: FAX #: 510 685-9148
4657 Port Chicasadero, San Rafael, CA
Project Manager: Eileen Burrum
Client Project ID: (M) 02-020005
(NAME) SEM 152B
Sampler Name (Print): ERM JAMES

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix			Method Preserved			Sampling					
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	USE REFRIG. OTHER	DATE
N03/4	12	1	1										11/20	12:25
N01/2	13	1	1										12/25	12:25
N03/5	14	1	1										12/25	12:25

ANALYSIS REQUEST

<input type="checkbox"/> BTEX/Gas Hydrocarbons PIV/PT with MTBE	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Hydrocarbons GC/FID Gas or Diesel Screen	<input checked="" type="checkbox"/>
<input type="checkbox"/> Hydrocarbon Profile (SIMDIS)	<input type="checkbox"/>
<input type="checkbox"/> Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM-503	<input checked="" type="checkbox"/>
<input type="checkbox"/> TPH/AR 418.1 <input checked="" type="checkbox"/> SM 503	<input checked="" type="checkbox"/>
<input type="checkbox"/> EDB by 504 <input type="checkbox"/> DBCP by 504	<input type="checkbox"/>
<input type="checkbox"/> EPA 503.1 <input type="checkbox"/> EPA 502.2	<input type="checkbox"/>
<input type="checkbox"/> EPA 601 <input type="checkbox"/> EPA 8010	<input type="checkbox"/>
<input type="checkbox"/> EPA 602 <input type="checkbox"/> EPA 8020	<input type="checkbox"/>
<input type="checkbox"/> EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only	<input checked="" type="checkbox"/>
<input type="checkbox"/> EPA 624/PPL <input checked="" type="checkbox"/> 8240/TAL <input checked="" type="checkbox"/> NBS (+15)	<input checked="" type="checkbox"/>
<input type="checkbox"/> EPA 625/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25)	<input type="checkbox"/>
<input type="checkbox"/> EPA 610 <input type="checkbox"/> 8310	<input type="checkbox"/>
<input type="checkbox"/> EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides	<input type="checkbox"/>
<input type="checkbox"/> TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Sam-VOA <input type="checkbox"/> Part <input type="checkbox"/> Hard	<input type="checkbox"/>
<input type="checkbox"/> EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA	<input type="checkbox"/>
<input type="checkbox"/> CAM Metals TLIC <input checked="" type="checkbox"/> STLC	<input checked="" type="checkbox"/>
<input type="checkbox"/> Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010	<input type="checkbox"/>
<input type="checkbox"/> Organic Lead	<input type="checkbox"/>
<input type="checkbox"/> Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity	<input type="checkbox"/>

REMARKS: ~~SEE SUBMITTAL~~
TPH-6 8015 modified
BTEX 8020
NO VOC AT
SAFE

Lab Use Only Lot #: Storage Location
Work Order #: CA110454 2 OF 2

SPECIAL DETECTION LIMITS
CORRECTIONS OK
SIGN date (X)

SPECIAL REPORTING REQUIREMENTS
FAXD

Received by: John Weber	Time: 13:00
Received by: John Weber	Time: 15:20
Received by Laboratory: _____	Waybill #: _____

Relinquished by Sampler: [Signature]	Time: 13:00
Relinquished by: [Signature]	Time: 15:20
Relinquished by: _____	Time: _____

TAI 5000
Priority (24 hr) _____
Expedited (48 hr) _____
Business Days _____
Other _____
P.O. # _____
QA/QC Level _____
Blue CLP Other

CUSTODY RECORD



4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

33582

Company Name: Groundwater Tech Phone #: 510 671-2387
 Company Address: 4057 Port Chicago Hwy FAX #: 510 685-9148
Chicago, IL Site Location: Northgate
 Project Manager: Erin Brennan Client Project ID: (#) 02000025
 (NAME) Sears 1528
 Sampler Name (Print): Terry James

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling			
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	DATE	TIME
MT1/3	01	1	X							X			12/1/94	10:45
MT6/3	02	1											10:55	
IA1/2	03	1											11:05	
IA2/2	04	1											11:10	
IB1/2	05	1											11:20	
IB2/2	06	1											11:30	
BT1/3	07	1											10:05	
BT2/3	08	1											10:15	
AT1/3	09	1											10:30	
AT2/4	10	1											10:40	

TAT Priority (24 hr) Expedited (48 hr) 7 Business Days Other Business Days

Special Handling: _____
 GTEL Contact: _____
 Quoter/Contract #: _____
 Confirmation #: _____
 PO #: _____

QA/QC Level: _____
 Other: _____

Relinquished by Sampler: Terry James
 Relinquished by: John Weber
 Relinquished by: _____

Date: 12/1/94 Time: 17:09
 Date: 12/1/94 Time: 14:10
 Date: 12/1/94 Time: 14:10

Analysis Request	Other
BTEX/Gas Hydrocarbons PID/FID with MTBE	
BTEX 602 with MTBE	
Hydrocarbons GC/FID Gas Diesel Screen	
Hydrocarbon Profile (SIMDIS)	
Oil and Grease 413.1 413.2 SM-503	
TPH/IR 418.1 SM 503	
EDB by 504 DBCP by 504	
EPA 503.1 EPA 502.2	
EPA 601 EPA 8010	
EPA 602 EPA 8020	
EPA 608 8080 PCB only	
EPA 624/PPL 8240/TAL NBS (-15)	
EPA 625/PPL 8270/TAL NBS (-25)	
EPA 610 8310	
EP TOX Metals Pesticides Herbicides	
TCP Metals VOA Semi-VOA Pest Herb	
EPA Metals Priority Pollutant TAL RCRA	
CAM Metals TLOC STLC	
Lead 239.2 200.7 7420 7421 6010	
Organic Lead	
Corrosivity Flash Point Reactivity	

REMARKS: BTEX/TPH-6-2015 Modified
Level 8020 24hr TAT
Level 510

Lab Use Only Lot #: C4120018 Storage Location: _____
 Work Order #: C4120017-24hr

Received by: John Weber
 Received by: _____
 Received by Laboratory: Richard C. Brennan
 Waybill #: _____

CUSTODY RECORD

Client Number: 020200025
Project ID: Sears #1528
Northgate Mall San Rafael
Work Order Number: C4-12-0011

**Northwest Region**

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director



Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael, CA
Work Order Number: C4-11-0454

December 6, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/30/94, under chain of custody records 30200 and 33586.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

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To	From
Co.	Co.
Dept.	Phone #
Fax #	Fax #

Handwritten: pat



Western Region
4080 Price Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 000000005
Project ID: 0000 1000
0000 10000000
San Rafael
Work Order Number: 04-12-0010

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
for
Rashmi Shah
Laboratory Director

Post-it® Fax Note	7671	Date	12/16	# of pages	3
To	PAT MCCONNELL		From	EBRENNAN	
Co./Dept.			Co.		
Phone #			Phone #		
Fax #			Fax #		



Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael
CA-12-0018
Work Order Number:

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
for
Rashmi Shah
Laboratory Director

WO - waste oil samples
NO - gasoline samples

1528(6)
BOF



DAMES & MOORE

A DAMES & MOORE GROUP COMPANY

**Hydraulic Lift Removal,
Assessment, and Site Remediation
Activities**

**Sears Store #1528
9000 Northgate Drive
San Rafael, California**

Prepared for :

**Sears, Roebuck and Co.
Job No. 00188-166-043
February 7, 1997**

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Appendix B: Laboratory Reports
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**HYDRAULIC LIFT REMOVAL,
ASSESSMENT, AND SITE REMEDIATION ACTIVITIES
SEARS STORE #1528
9000 Northgate Drive
San Rafael, California**

**Prepared For:
Sears, Roebuck and Co.
D&M Job No. 00188-166-043
February 7, 1997**

1.0 INTRODUCTION

This report presents the results of Dames & Moore's environmental oversight related to the removal of three hydraulic lifts at the Automotive Center of Sears Store #1528 located at 9000 Northgate Drive in San Rafael, California (Figure 1). The environmental oversight was conducted for Sears, Roebuck and Co. (Sears) in accordance with Dames & Moore's Request for Authorization dated February 5, 1996. Lift removals were performed as part of a Site remodel. Field activities were performed on March 7, 1996. Following field and disposal activities, Dames & Moore prepared this report outlining the field procedures used, laboratory analytical results, and remedial measures performed at the Site.

2.0 SITE DESCRIPTION

2.1 SITE FEATURES

Sears Store #1528 is located at the southwestern end of the Northgate Mall in San Rafael, California. The Automotive Center (Site) is a two-story building that houses a service counter and display area, and a garage area on the first floor with 19 service bays for automotive service and maintenance. The second floor contains an employee break room, bathrooms and lockers, and a large storage area. For purposes of this remodel, Lifts 1, 2, and 3 needed to be removed. These bays were located in the southwest corner of the Automobile Center (Figure 2). Lifts 1, 2, and 3 were single-post lifts. Photographs of the field activities are provided in Appendix A.

2.2 LOCAL HYDROGEOLOGY

The assumed local groundwater flow direction, based on surface topography, is to the north towards Santa Margarita Valley. Regionally, groundwater is assumed to flow northeast toward Gallinas Creek and San Francisco Bay. United States Geologic Survey Professional Paper 943, titled Flatland Deposits-Their Geology and Engineering Importance to Comprehensive Planning (Halley and LaJoie, 1979), indicates that the Site is underlain by bedrock. Bedrock in the San Rafael area consists of a complex assemblage of sedimentary, igneous, and metamorphic rocks of Jurassic and Cretaceous age.

3.0 FIELD ACTIVITIES

3.1 WORK PARAMETERS DETERMINATION

In accordance with California State Senate Bill SB 1191, hydraulic lift tanks are exempt from underground storage tank regulations with regards to operating permits and associated reporting requirements. Any releases to the environment, however, must be remediated to the extent that there is no significant adverse effect to human health or the environment. Currently, the State of California does not have strict cleanup standards for hydraulic oils in soil. Cleanup guidance criteria are normally provided by the Regional Water Quality Control Boards (RWQCB) and/or local oversight agencies. The RWQCB-recommended cleanup criteria for petroleum hydrocarbons in soil is generally 100 milligrams per kilogram (mg/kg) for total petroleum hydrocarbons (TPH) as gasoline and 1,000 mg/kg for TPH as oil. Active cleanup is typically required of soils impacted by volatile and semi-volatile hydrocarbon compounds if concentrations exceed about 10 times the equivalent Maximum Contaminant Level (MCL) concentrations for drinking water listed in Title 22 of the California Code of Regulations. Additional guidance for cleanup criteria of individual hydrocarbon compounds is provided by the US EPA Region 9 Preliminary Remedial Goals (PRGs) and Soil Screening Levels.

In accordance with the above criteria, Dames & Moore collected samples for hydrocarbon analysis during the lift removal process. Soil samples were initially analyzed for TPH by a Hydrocarbon Semi-Quantitative Fuel Scan [C4-C12 (gasoline range), C13-C22 (diesel range), and C23+(oil range)] using modified EPA Method 8015. If concentrations exceeded 100 mg/kg, then the soil sample with the highest TPH value was also analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270, volatile organic compounds (VOCs) by EPA Method 8240, and polychlorinated biphenyls (PCBs) by EPA Method 8080. Remedial excavation would be implemented if concentrations exceeded the guidance criteria stated above.

3.2 INITIAL SOILS ASSESSMENT

As part of the field activities, Dames & Moore field personnel were required to review and sign a Health and Safety Plan (HSP) that was prepared for the Site. The HSP was prepared to aid in the safe handling of materials potentially containing elevated levels of chemicals. During the investigation, requirements of the HSP were met, including daily site safety briefings.

Prior to the startup of Dames & Moore's field activities, Walker Hydraulic (Contractor) cut and removed the concrete slab around each of the lifts. The lifts did not have associated hydraulic lines. Following removal of the concrete slabs and hydraulic lifts, Dames & Moore personnel collected soil samples from three locations at the lift cylinders: one at the surface, one at three feet below ground surface (bgs), and one at the base of the post (approximately seven feet bgs). However, a sample was not collected at the 3-foot depth at Lift 1.

All samples up to 7 feet bgs were collected using a hand auger. Sample material was placed into 4-ounce jars supplied by the analytical laboratory and sealed with Teflon-lined lids. Sample collection was performed following strict environmental protocol to avoid cross-contamination. Soils observed during sample collection consisted of sandy fill materials immediately around the lifts. Native soils beyond the fill material are primarily silt and clay.

Soil samples were submitted to an onsite mobile laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPH-g; C4-C12), as diesel (TPH-d; C13-C22), and as hydraulic oil (TPH-h; C23+) by modified EPA Method 8015. The samples collected from three feet bgs were held pending analysis of surface samples. Results of the sample analyses indicated the following:

- TPH-g and TPH-d were not detected in any of the samples.

Lift 1:

- TPH-h was detected at 87 mg/kg in the surface sample at Lift 1 and at 320 mg/kg in the 7-foot sample.

Lift 2:

- TPH-h was detected at 5,500 mg/kg in the surface sample at Lift 2, at 270 mg/kg in the 3-foot sample, and at 220 mg/kg in the 7-foot sample.

Lift 3:

- TPH-d was detected at 11,000 mg/kg in the surface sample at Lift 3, at 43 mg/kg in the 3-foot sample, and at 830 mg/kg in the 7-foot sample.

In general accordance with the Work Parameters Determination (Section 3.1), one of the samples with the highest concentration of hydraulic oil, in this case the surface sample from Lift 2 (5,500 mg/kg TPH-h), was also analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs), by EPA Methods 8240, 8270, and 8080, respectively. Analytical results showed no detectable VOCs, but did indicate detection of 0.48 mg/kg PCB aroclor 1260 and 2.5 mg/kg of the SVOC bis (2-ethylhexyl) phthalate. Results of soil sample analyses are listed in Table 1, and laboratory reports are included as Appendix B.

In summary, results of the initial soils assessment indicated that a number of soil samples exceeded the cleanup guidance criteria for hydraulic oil (1,000 mg/kg) as outlined in the Work Parameters Determination (Section 3.1). These sample areas included the Lift 2 and 3 cylinder areas.

3.3 HYDRAULIC LIFT REMOVAL AND REMEDIAL ACTION

Following the initial soils assessment, the hydraulic lifts were removed and a remedial excavation was performed in areas where hydrocarbon concentrations exceeded the cleanup criteria. The cylinders from Lifts 1, 2, and 3 were completely removed on March 7, 1996, prior to the remedial excavation. Impacted soils were excavated on March 7, 1996. Soils containing concentrations of hydraulic oil above 1,000 mg/kg were excavated from around Lifts 2 and 3. Because analytical results from the 3-foot samples at Lifts 2 and 3 were below cleanup guidance levels, additional confirmatory samples were not collected by Dames & Moore from the excavation.

A summary of remediation activities by lift is provided below.

Lift 2

The Lift 2 cylinder area was excavated to a depth of 3 feet bgs. TPH-h was detected at 270 mg/kg (below the 1,000 mg/kg cleanup guidance) in the 3-foot sample collected during the prior soils assessment at Lift 2.

Lift 3

The Lift 3 cylinder area was excavated to a depth of 3 feet bgs. TPH-h was detected at 43 mg/kg (below the 1,000 mg/kg cleanup guidance) in the 3-foot sample collected during the prior soils assessment at Lift 2.

Excavated soil was stored on, and covered by, plastic sheeting in the Sears Automotive Center parking lot. Following excavation activities, the areas were backfilled with clean, imported soil and resurfaced with concrete.

3.4 WASTE MANAGEMENT

Excavated material from Lifts 1, 2, and 3 were stored on, and covered by, plastic sheeting in the Sears Automotive Center parking lot. One small stockpile was created during the soil excavation. On March 7, 1996, a Dames & Moore representative collected four soil samples from the stockpile. The four samples were composited by the onsite mobile laboratory and the four-point composite sample was analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1, and for metals by EPA Method 6010. Analytical results indicated 1,500 mg/kg of TRPH, 43 mg/kg of chromium, 57 mg/kg of nickel, and 33 mg/kg of zinc. On the basis of these results, the soil (approximately one cubic yard) was transported as non-hazardous waste to Remedial Environmental Marketing Company (REMCO) in Richmond, California, for thermal treatment and recycling as road base. A copy of the Non-Hazardous Waste Manifest is included in Appendix C.

Hydraulic oil associated with the lifts was drained from the equipment and stored in 55-gallon drums. The hydraulic oil was managed as recyclable waste by Sears Automotive Center personnel.

4.0 SUMMARY AND CONCLUSIONS

A total of three hydraulic lifts (Lifts 1, 2, and 3) were removed from the Automotive Center at Sears Store #1528. The three lifts were single-post lifts. Results of an initial soils assessment indicated that hydraulic oil concentrations exceeded cleanup guidance criteria (1,000 mg/kg) within certain areas. On the basis of these results, soils beneath Lifts 2 and 3 were overexcavated to a depth of 3 feet bgs.

Surface piping, supports, and associated equipment were removed from each of the three lifts. Hydraulic oil associated with the lifts was drained from the equipment and stored in 55-gallon drums.

Soil surrounding the lifts was excavated as needed to remove the lifts and stockpiled on site. The casings and surrounding excavations were backfilled with imported fill and resurfaced with concrete.

Approximately one cubic yard of excavated soil impacted with petroleum hydrocarbons were transported as non-hazardous waste to Remedial Environmental Marketing Company (REMCO) in Richmond, California, for thermal treatment and recycling as road base. The hydraulic oil was managed as recyclable waste by Sears Automotive Center personnel.

On the basis of State and Federal regulations governing hydraulic oil contamination in soils, it is Dames & Moore's opinion that subsurface soils surrounding the former Lifts 1, 2, and 3 (removed during this remodel) have been remediated to environmentally acceptable conditions.

5.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations of the Site and our interpretation of the analytical data obtained. They are intended for the purpose outlined herein and at the Site location and project indicated. This report is for the sole use of Sears. The scope of the services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any re-use of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of the said user.

It should be recognized that this study was not intended to be a definitive investigation of contamination of the subject property, but is limited to the scope of hydraulic lift removal stated in this report. Opinions and conclusions presented herein apply to Site conditions existing at the time of the investigation. They cannot necessarily apply to changes at the Site of which this office is not aware and has not had the opportunity to evaluate. This report is intended for the use in its entirety; no excerpt may be taken to be representative of the findings of this investigation.

-000-

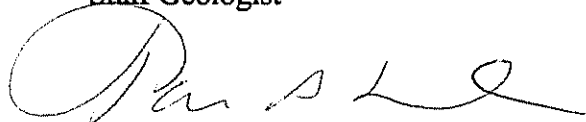
Please feel free to contact us if you have questions or require further assistance.

Respectfully submitted,

DAMES & MOORE

A handwritten signature in cursive script, appearing to read "Melissa Swartz".

Melissa Swartz
Staff Geologist

A handwritten signature in cursive script, appearing to read "Taras B. Kruk".

Taras B. Kruk, R.G.
Senior Geologist
Project Manager

Table 1
Soil Analytical Results
Former Sears Site #1528
San Rafael, California

Sample Location	Sample I.D.	Sample Depth (ft)	Sample Date	Notes	LABORATORY ANALYTICAL RESULTS*															
					TOTAL PETROLEUM HYDROCARBONS				AROMATIC HYDROCARBONS				PCBs	SVOCs	Metals					
					TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-h (mg/kg)	TRPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Aroclor 1260 (mg/kg)	bis-phthalate (mg/kg)	Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	
1	1-0	0	3/7/96	2	< 200	< 200	87	--	--	--	--	--	--	--	--	--	--	--	--	
1	1-7	7	3/7/96	2	< 200	< 200	320	--	--	--	--	--	--	--	--	--	--	--	--	
2	2-0	0	3/7/96	1,4	< 200	< 200	5,500	--	< 0.03	< 0.03	< 0.03	< 0.1	0.48	2.5	--	--	--	--	--	
2	2-3	3	3/7/96	2	< 200	< 200	270	--	--	--	--	--	--	--	--	--	--	--	--	
2	2-7	7	3/7/96	2	< 200	< 200	220	--	--	--	--	--	--	--	--	--	--	--	--	
3	3-0	0	3/7/96	1	< 200	< 200	11,000	--	--	--	--	--	--	--	--	--	--	--	--	
3	3-3	3	3/7/96	2	< 200	< 200	43	--	--	--	--	--	--	--	--	--	--	--	--	
3	3-7	7	3/7/96	2	< 200	< 200	830	--	--	--	--	--	--	--	--	--	--	--	--	
SP	SP-1	--	3/7/96	5	--	--	--	1500	--	--	--	--	--	--	--	< 5	< 1	43	57	33

Explanation / Notes:
* = Only detected compounds within the Bay Area sites are listed
1. = Surrounding soils excavated and removed offsite.
2. = Sample of soils remaining in place.
3. = No Sample Recovery
4. = Duplicate sample analysis.
5. = Four point composite stockpile sample

< = Analytical result less than the detection limit indicated.
-- = Either not sampled and/or not tested for given parameter
TPH-g = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 (modified)
TPH-d = Total Petroleum Hydrocarbons as diesel by EPA Method 8015 (modified)
TPH-h = Total Petroleum Hydrocarbons as hydraulic fluid by EPA Method 8015 (modified)
TRPH = Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1
BTEX = Volatile aromatic constituents Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method 8020 or 8240
Aroclor 1260 = polychlorinated biphenyl (PCB) by EPA Method 8080
Metals analyzed by EPA Method 6010
bis-phthalate = bis(2ethylhexyl)phthalate by EPA Method 8270

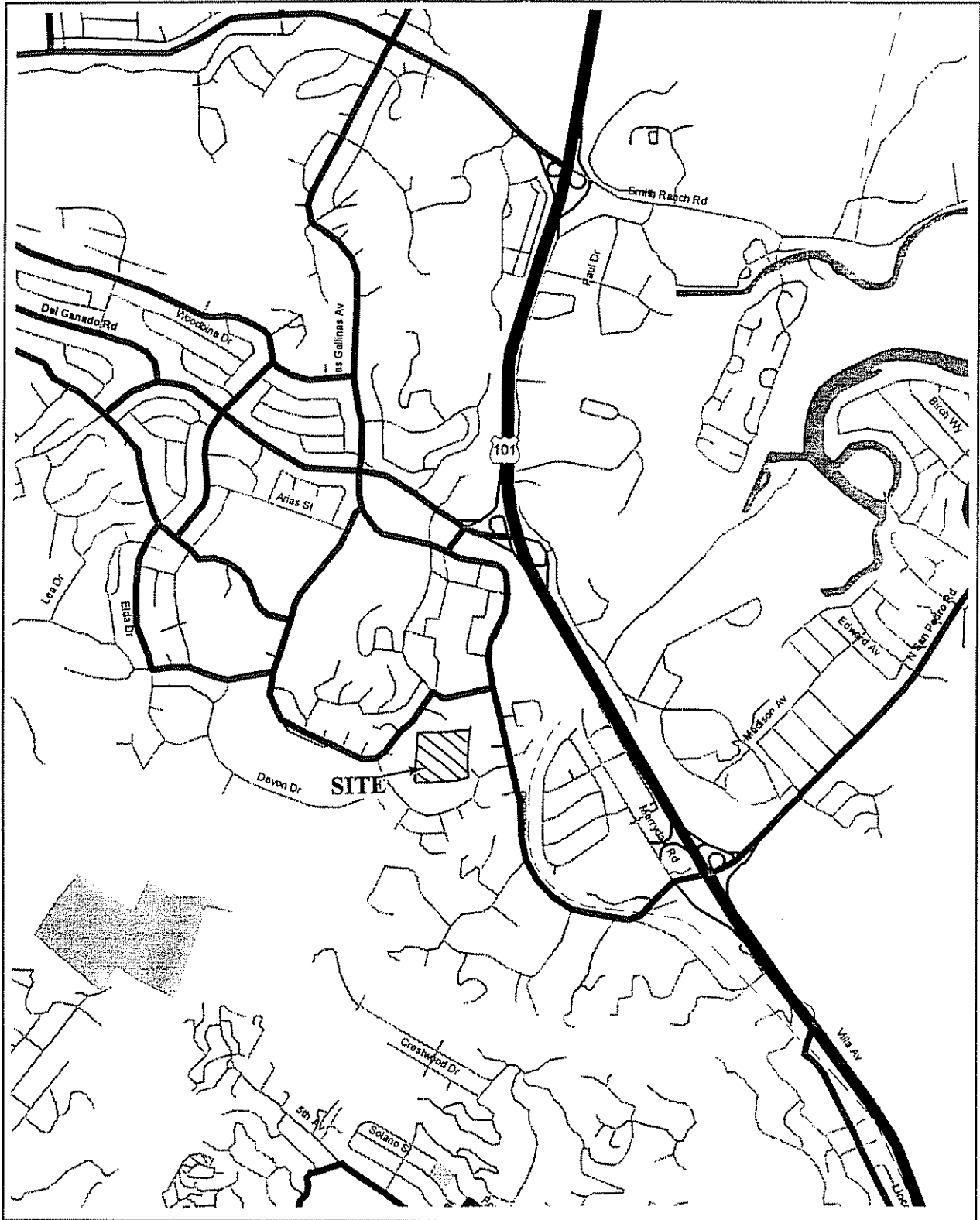
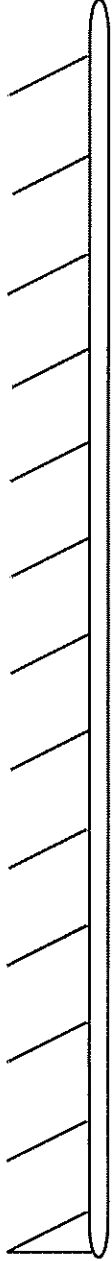


Figure 1
SITE VICINITY MAP
 Sears Automotive Center #1528
 San Rafael, CA

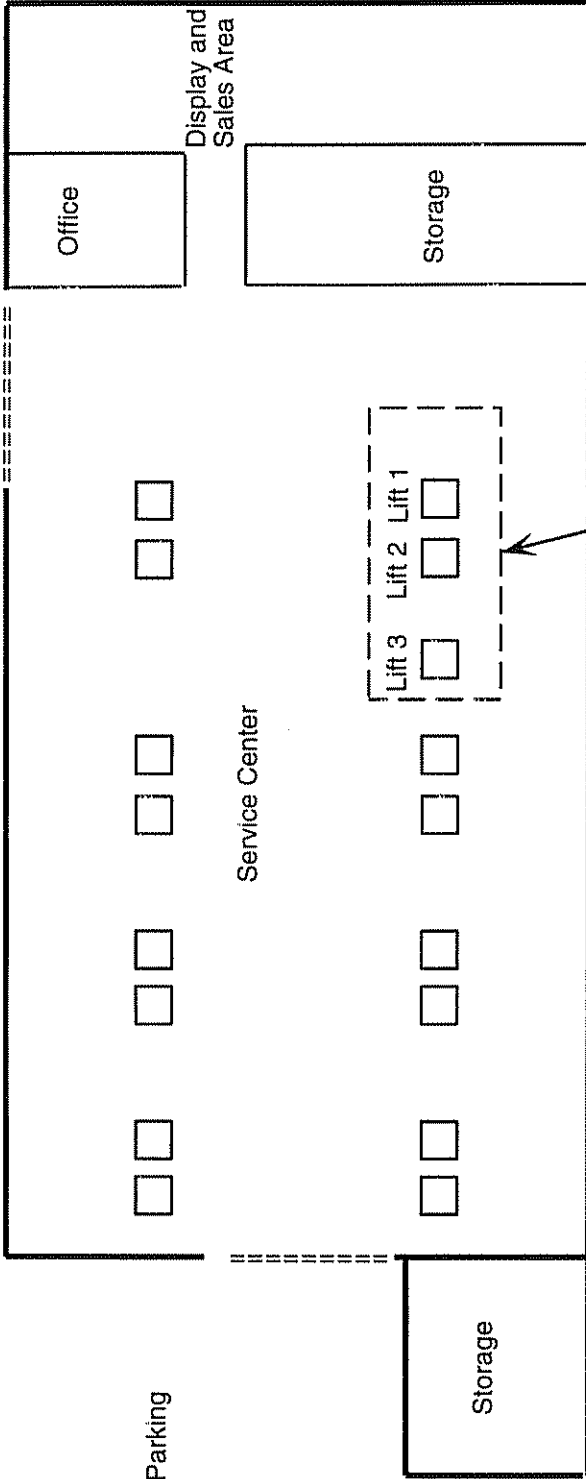


DAMES & MOORE

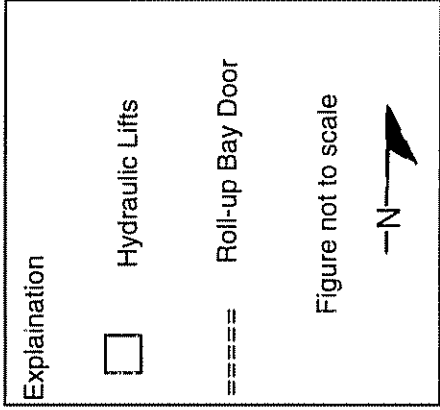
Parking



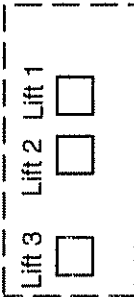
Parking



Parking



See Figure 3 for discreet sampling locations



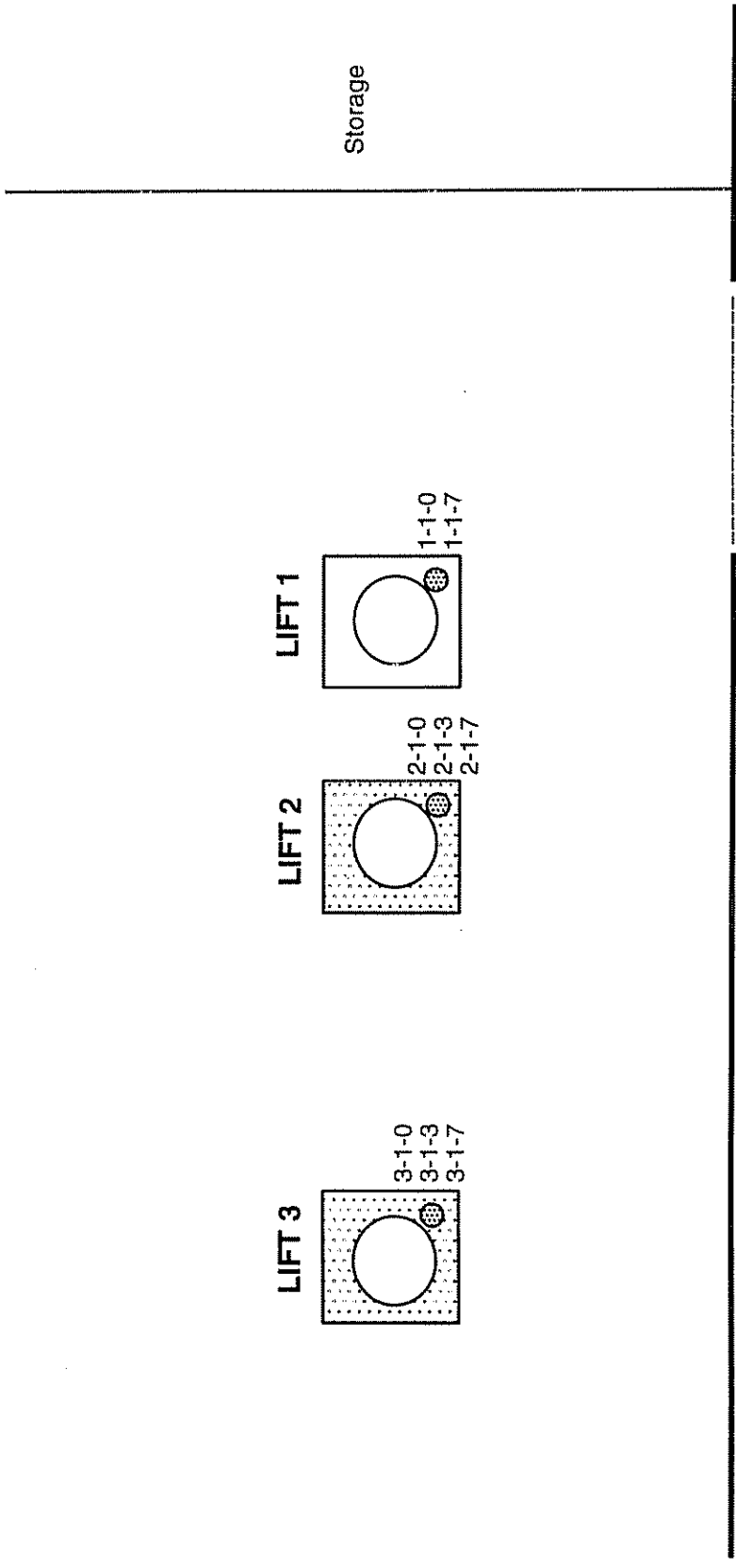
Site Plan

Dec 1996
 00188-166-043


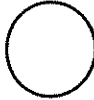




Sears, Roebuck & Company
 Sears Automotive Center #1528
 San Rafael, California



Figure 2



Explanation

-  Hydraulic Lift
 -  Lift cylinder
 -  Roll-up bay door
 -  Area of Remedial Excavation
 -  Sample location showing sample number
- Figure not to scale
- N- 

Sample Location Map

Dec 1996
 00188-166-043

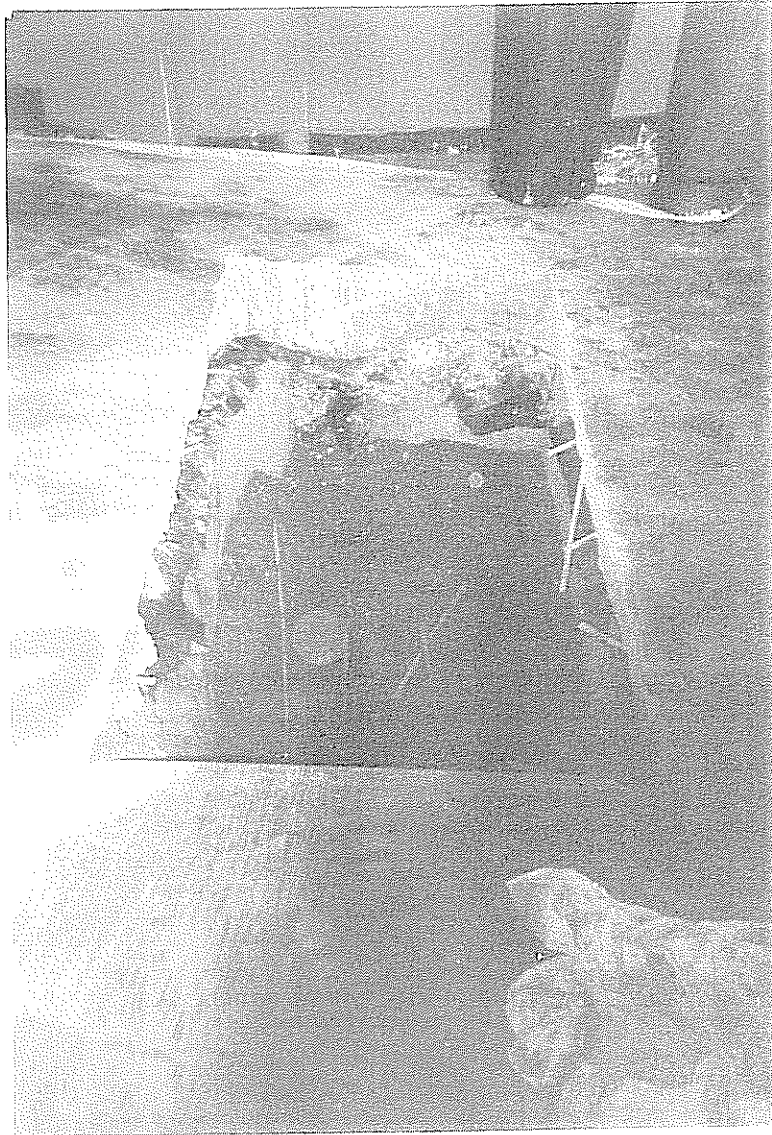
Sears, Roebuck & Company
 Sears Automotive Center #1528
 San Rafael, California

APPENDIX A

SITE PHOTOGRAPHS



Photograph 1. Lift 3 after cylinder has been removed



Photograph 2. Lift 2 after cylinder has been removed

APPENDIX B

LABORATORY REPORTS

ANALYTICAL REPORT

BC Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G96-02-506

Received: 07 MAR 96
Mailed : 26 APR 96

Mr. Branden Born
Dames and Moore
221 Main Street, Suite 600
San Francisco, CA 94105-1917

Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Semi-volatiles (8270)		
Date Analyzed	03/12/96	
Date Extracted	03/12/96	
Dilution Factor, Times	5	
1,2,4-Trichlorobenzene, mg/kg	<1	
1,2-Dichlorobenzene, mg/kg	<1	
1,2-Diphenylhydrazine, mg/kg	<1	
1,3-Dichlorobenzene, mg/kg	<1	
1,4-Dichlorobenzene, mg/kg	<1	
2,4,5-Trichlorophenol, mg/kg	<1	
2,4,6-Trichlorophenol, mg/kg	<1	
2,4-Dichlorophenol, mg/kg	<1	
2,4-Dimethylphenol, mg/kg	<1	
2,4-Dinitrophenol, mg/kg	<2	
2,4-Dinitrotoluene, mg/kg	<1	
2,6-Dinitrotoluene, mg/kg	<1	
2-Chloronaphthalene, mg/kg	<1	
2-Chlorophenol, mg/kg	<1	
2-Methyl-4,6-dinitrophenol, mg/kg	<2	
2-Methylnaphthalene, mg/kg	<1	
2-Methylphenol (o-Cresol), mg/kg	<1	
2-Nitroaniline, mg/kg	<1	
2-Nitrophenol, mg/kg	<1	
3,3'-Dichlorobenzidine, mg/kg	<2	
3-Nitroaniline, mg/kg	<1	
4-Bromophenylphenylether, mg/kg	<1	
4-Chloro-3-methylphenol, mg/kg	<1	
4-Chloroaniline, mg/kg	<1	

BCA

LOG NO: G96-02-506

Received: 07 MAR 96

Mailed : 26 APR 96

Mr. Branden Born
Dames and Moore
221 Main Street, Suite 600
San Francisco, CA 94105-1917

Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
4-Chlorophenylphenylether, mg/kg	<1	
4-Methylphenol (p-Cresol), mg/kg	<2	
4-Nitroaniline, mg/kg	<1	
4-Nitrophenol, mg/kg	<2	
Acenaphthene, mg/kg	<1	
Acenaphthylene, mg/kg	<1	
Aniline, mg/kg	<1	
Anthracene, mg/kg	<1	
Benzidine, mg/kg	<20	
Benzo(a)anthracene, mg/kg	<1	
Benzo(a)pyrene, mg/kg	<1	
Benzo(b)fluoranthene, mg/kg	<1	
Benzo(g,h,i)perylene, mg/kg	<1	
Benzo(k)fluoranthene, mg/kg	<1	
Benzyl Alcohol, mg/kg	<2	
Benzoic acid, mg/kg	<10	
Butylbenzylphthalate, mg/kg	<1	
Chrysene, mg/kg	<1	
Di-n-octylphthalate, mg/kg	<1	
Dibenzo(a,h)anthracene, mg/kg	<1	
Dibenzofuran, mg/kg	<1	
Dibutylphthalate, mg/kg	<1	
Diethylphthalate, mg/kg	<1	
Dimethylphthalate, mg/kg	<1	
Fluoranthene, mg/kg	<1	
Fluorene, mg/kg	<1	
Hexachlorobenzene, mg/kg	<1	

LOG NO: G96-02-506

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Hexachlorobutadiene, mg/kg	<1	
Hexachlorocyclopentadiene, mg/kg	<2	
Hexachloroethane, mg/kg	<1	
Indeno(1,2,3-c,d)pyrene, mg/kg	<1	
Isophorone, mg/kg	<1	
N-Nitrosodimethylamine, mg/kg	<1	
N-Nitrosodiphenylamine, mg/kg	<1	
N-Nitrosodi-n-propylamine, mg/kg	<1	
Nitrobenzene, mg/kg	<1	
Naphthalene, mg/kg	<1	
Phenanthrene, mg/kg	<1	
Phenol, mg/kg	<1	
Pentachlorophenol, mg/kg	<2	
Pyrene, mg/kg	<1	
Pyridine, mg/kg	<2	
Bis(2-chloroethoxy)methane, mg/kg	<1	
Bis(2-chloroethyl)ether, mg/kg	<1	
Bis(2-chloroisopropyl)ether, mg/kg	<1	
Bis(2-ethylhexyl)phthalate, mg/kg	2.5	
Surrogates **		
2-Fluorobiphenyl Reported, mg/kg	2.18	
2-Fluorobiphenyl Theo., mg/kg	1.67	
2-Fluorophenol Reported, mg/kg	2.37	
2-Fluorophenol Theoretical, mg/kg	2.50	
2,4,6-Tribromophenol Rep., mg/kg	2.14	
2,4,6-Tribromophenol Theo., mg/kg	2.50	
Nitrobenzene-d5 Reported, mg/kg	1.88	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Nitrobenzene-d5 Theoretical, mg/kg	1.67	
Phenol-d5 Reported, mg/kg	3.33	
Phenol-d5 Theoretical, mg/kg	2.50	
Terphenyl-d14 Reported, mg/kg	2.06	
Terphenyl-d14 Theoretical, mg/kg	1.67	
PCBs (8080)		
Date Analyzed	03/12/96	
Date Extracted	03/12/96	
Dilution Factor, Times	5	
Aroclor 1016, mg/kg	<0.2	
Aroclor 1221, mg/kg	<0.2	
Aroclor 1232, mg/kg	<0.2	
Aroclor 1242, mg/kg	<0.2	
Aroclor 1248, mg/kg	<0.2	
Aroclor 1254, mg/kg	<0.2	
Aroclor 1260, mg/kg	0.48	
Surrogates **		
Decachlorobiphenyl Reported, mg/kg	0.0113	
Decachlorobiphenyl Theoretical, mg/kg	0.0083	
Tetrachloro-meta-xylene Rpt., mg/kg	0.0090	
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2~0'	07 MAR 96
PARAMETER	02-506-1	
Diesel/Hydraulic Oil (8015M)		
Date Analyzed	03/07/96	
Date Extracted	03/07/96	
Dilution Factor, Times	10	
Carbon Range, .	C23-C40	
Hydraulic Oil, mg/kg	5500	
Carbon Range, .	C13-C22	
Diesel, mg/kg	<200	
Other Diesel/Hydraulic Oil (8015M)	---	
Surrogates **		
Naphthalene Reported, mg/kg	37.4	
Naphthalene Theoretical, mg/kg	50.0	
Gasoline (8015M)		
Date Analyzed	03/07/96	
Date Extracted	03/07/96	
Dilution Factor, Times	10	
Gasoline, mg/kg	<200	
Carbon Range, .	C4-C12	
Other Gasoline (8015M)	---	
Surrogates **		
Naphthalene Reported, mg/kg	53.6	
Naphthalene Theoretical, mg/kg	50.0	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Vol.Pri.Poll. (8240)		
Date Analyzed	03/13/96	
Dilution Factor, Times	1	
1,1,1-Trichloroethane, mg/kg	<0.005	
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	
1,1,2-Trichloroethane, mg/kg	<0.005	
1,1-Dichloroethane, mg/kg	<0.005	
1,1-Dichloroethene, mg/kg	<0.005	
1,2-Dichloroethane, mg/kg	<0.005	
1,2-Dichlorobenzene, mg/kg	<0.005	
1,2-Dichloropropane, mg/kg	<0.005	
1,3-Dichlorobenzene, mg/kg	<0.005	
1,4-Dichlorobenzene, mg/kg	<0.005	
2-Chloroethylvinylether, mg/kg	<0.005	
2-Hexanone, mg/kg	<0.03	
Acetone, mg/kg	<0.1	
Acrolein, mg/kg	<0.3	
Acrylonitrile, mg/kg	<0.3	
Bromodichloromethane, mg/kg	<0.005	
Bromomethane, mg/kg	<0.005	
Benzene, mg/kg	<0.005	
Bromoform, mg/kg	<0.005	
Chlorobenzene, mg/kg	<0.005	
Carbon Tetrachloride, mg/kg	<0.005	
Chloroethane, mg/kg	<0.005	
Chloroform, mg/kg	<0.005	
Chloromethane, mg/kg	<0.005	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Carbon Disulfide, mg/kg	<0.01	
Dibromochloromethane, mg/kg	<0.005	
Ethylbenzene, mg/kg	<0.005	
Freon 113, mg/kg	<0.01	
Methyl ethyl ketone, mg/kg	<0.03	
Methyl isobutyl ketone, mg/kg	<0.03	
Methylene chloride, mg/kg	<0.005	
Styrene, mg/kg	<0.005	
Trichloroethene, mg/kg	<0.005	
Trichlorofluoromethane, mg/kg	<0.005	
Toluene, mg/kg	<0.005	
Tetrachloroethene, mg/kg	<0.005	
Vinyl acetate, mg/kg	<0.05	
Vinyl chloride, mg/kg	<0.005	
Total Xylene Isomers, mg/kg	<0.02	
cis-1,2-Dichloroethene, mg/kg	<0.005	
cis-1,3-Dichloropropene, mg/kg	<0.005	
trans-1,2-Dichloroethene, mg/kg	<0.005	
trans-1,3-Dichloropropene, mg/kg	<0.005	
Other Vol.Pri.Poll. (8240)	---	
Surrogates **		
1,2-Dichloroethane-d4 Rep., mg/kg	0.0488	
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	
4-Bromofluorobenzene Rep., mg/kg	0.0475	
4-Bromofluorobenzene Theo., mg/kg	0.0500	
Toluene-d8 Reported, mg/kg	0.0478	
Toluene-d8 Theo., mg/kg	0.0500	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES					DATE SAMPLED
02-506-2	3-0'					07 MAR 96
02-506-3	1-0'					07 MAR 96
02-506-4	3-7'					07 MAR 96
02-506-5	1-7'					07 MAR 96
02-506-6	3-3'					07 MAR 96
PARAMETER	02-506-2	02-506-3	02-506-4	02-506-5	02-506-6	
Diesel/Hydraulic Oil (8015M)						
Date Analyzed	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96	
Date Extracted	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96	
Dilution Factor, Times	10	1	1	1	1	
Carbon Range, .	C23-C40	C23-C40	C23-C40	C23-C40	C23-C40	
Hydraulic Oil, mg/kg	11000	87	830	320	43	
Carbon Range, .	C13-C22	C13-C22	C13-C22	C13-C22	C13-C22	
Diesel, mg/kg	<200	<20	<20	<20	<20	
Other Diesel/Hydraulic Oil (8015M)	---	---	---	---	---	
Surrogates **						
Naphthalene Reported, mg/kg	50.2	50.4	60.6	59.3	55.9	
Naphthalene Theoretical, mg/kg	50.0	50.0	50.0	50.0	50.0	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED			
02-506-2	3-0'	07 MAR 96			
02-506-3	1-0'	07 MAR 96			
02-506-4	3-7'	07 MAR 96			
02-506-5	1-7'	07 MAR 96			
02-506-6	3-3'	07 MAR 96			
PARAMETER	02-506-2	02-506-3	02-506-4	02-506-5	02-506-6
Gasoline (8015M)					
Date Analyzed	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96
Date Extracted	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96
Dilution Factor, Times	10	1	1	1	1
Gasoline, mg/kg	<200	<20	<20	<20	<20
Carbon Range, .	C4-C12	C4-C12	C4-C12	C4-C12	C4-C12
Other Gasoline (8015M)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	62.9	67.8	76.8	77.8	75.5
Naphthalene Theoretical, mg/kg	50.0	50.0	50.0	50.0	50.0

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED	
02-506-7	2-7'	07 MAR 96	
02-506-8	2-3'	07 MAR 96	
PARAMETER		02-506-7	02-506-8
Diesel/Hydraulic Oil (8015M)			
Date Analyzed		03/07/96	03/07/96
Date Extracted		03/07/96	03/07/96
Dilution Factor, Times		1	1
Carbon Range, .		C23-C40	C23-C40
Hydraulic Oil, mg/kg		220	270
Carbon Range, .		C13-C22	C13-C22
Diesel, mg/kg		<20	<20
Other Diesel/Hydraulic Oil (8015M)		---	---
Surrogates **			
Naphthalene Reported, mg/kg		56.4	58.4
Naphthalene Theoretical, mg/kg		50.0	50.0
Gasoline (8015M)			
Date Analyzed		03/07/96	03/07/96
Date Extracted		03/07/96	03/07/96
Dilution Factor, Times		1	1
Gasoline, mg/kg		<20	<20
Carbon Range, .		C4-C12	C4-C12
Other Gasoline (8015M)		---	---
Surrogates **			
Naphthalene Reported, mg/kg		69.5	73.3
Naphthalene Theoretical, mg/kg		50.0	50.0

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Dick Swenson, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE.....	METHOD.....	EQUIP.	BATCH..	ID.NO
			ANALYZED				
9602506*1	2-0'	8270.HSL	03.12.96	8270	537-11	9645	6750
		8080.PCB	03.12.96	8080	536-26	9640	7616
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
9602506*2	3-0'	8240.HSL	03.13.96	8240	537-01	9650187	8659
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*3	1-0'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*4	3-7'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*5	1-7'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*6	3-3'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*7	2-7'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*8	2-3'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.
 ID.NO = BC Analytical employee identification number of analyst.

BC ANALYTICAL

ORDER QC REPORT FOR G9602506

DATE REPORTED : 05/06/96

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Semi-volatiles	C6031257*1					
Date Analyzed	03.12.96	9645	03/12/96	03/12/96	Date	N/A
Date Extracted	03.12.96	9645	03/12/96	03/12/96	Date	N/A
1,2,4-Trichlorobenzene	03.12.96	9645	2.72	3.33	mg/kg	82
1,2-Dichlorobenzene	03.12.96	9645	3.09	3.33	mg/kg	93
1,2-Diphenylhydrazine	03.12.96	9645	3.00	3.33	mg/kg	90
1,3-Dichlorobenzene	03.12.96	9645	2.70	3.33	mg/kg	81
1,4-Dichlorobenzene	03.12.96	9645	2.70	3.33	mg/kg	81
2,4,5-Trichlorophenol	03.12.96	9645	3.39	3.33	mg/kg	102
2,4,6-Trichlorophenol	03.12.96	9645	2.69	3.33	mg/kg	81
2,4-Dichlorophenol	03.12.96	9645	2.38	3.33	mg/kg	71
2,4-Dimethylphenol	03.12.96	9645	2.32	3.33	mg/kg	70
2,4-Dinitrophenol	03.12.96	9645	2.22	3.33	mg/kg	67
2,4-Dinitrotoluene	03.12.96	9645	2.80	3.33	mg/kg	84
2,6-Dinitrotoluene	03.12.96	9645	2.61	3.33	mg/kg	78
2-Chloronaphthalene	03.12.96	9645	2.43	3.33	mg/kg	73
2-Chlorophenol	03.12.96	9645	2.51	3.33	mg/kg	75
2-Methyl-4,6-dinitrophenol	03.12.96	9645	1.96	3.33	mg/kg	59
2-Methylnaphthalene	03.12.96	9645	2.27	3.33	mg/kg	68
2-Methylphenol (o-Cresol)	03.12.96	9645	2.80	3.33	mg/kg	84
2-Nitroaniline	03.12.96	9645	2.42	3.33	mg/kg	73
2-Nitrophenol	03.12.96	9645	2.55	3.33	mg/kg	77
3,3'-Dichlorobenzidine	03.12.96	9645	2.58	6.67	mg/kg	39
3-Nitroaniline	03.12.96	9645	2.18	3.33	mg/kg	65
4-Bromophenylphenylether	03.12.96	9645	2.55	3.33	mg/kg	77
4-Chloro-3-methylphenol	03.12.96	9645	2.59	3.33	mg/kg	78
4-Chloroaniline	03.12.96	9645	2.37	3.33	mg/kg	71
4-Chlorophenylphenylether	03.12.96	9645	2.61	3.33	mg/kg	78
4-Methylphenol (p-Cresol)	03.12.96	9645	2.63	3.33	mg/kg	79
4-Nitroaniline	03.12.96	9645	2.16	3.33	mg/kg	65
4-Nitrophenol	03.12.96	9645	2.54	3.33	mg/kg	76
Acenaphthene	03.12.96	9645	2.72	3.33	mg/kg	82
Acenaphthylene	03.12.96	9645	2.62	3.33	mg/kg	79
Aniline	03.12.96	9645	1.73	3.33	mg/kg	52
Anthracene	03.12.96	9645	2.38	3.33	mg/kg	71
Benzidine	03.12.96	9645	0	6.67	mg/kg	0 Q
Benzo(a)anthracene	03.12.96	9645	2.59	3.33	mg/kg	78
Benzo(a)pyrene	03.12.96	9645	2.51	3.33	mg/kg	75
Benzo(b)fluoranthene	03.12.96	9645	2.01	3.33	mg/kg	60
Benzo(g,h,i)perylene	03.12.96	9645	2.61	3.33	mg/kg	78
Benzo(k)fluoranthene	03.12.96	9645	2.68	3.33	mg/kg	80
Benzyl Alcohol	03.12.96	9645	2.46	3.33	mg/kg	74
Benzoic acid	03.12.96	9645	2.11	6.67	mg/kg	32
Butylbenzylphthalate	03.12.96	9645	3.25	3.33	mg/kg	98
Chrysene	03.12.96	9645	2.58	3.33	mg/kg	77

BC ANALYTICAL

ORDER QC REPORT FOR G9602506

DATE REPORTED : 05/06/96

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Di-n-octylphthalate	03.12.96	9645	2.92	3.33	mg/kg	88
Dibenzo(a,h)anthracene	03.12.96	9645	2.43	3.33	mg/kg	73
Dibenzofuran	03.12.96	9645	2.42	3.33	mg/kg	73
Dibutylphthalate	03.12.96	9645	2.71	3.33	mg/kg	81
Diethylphthalate	03.12.96	9645	2.46	3.33	mg/kg	74
Dimethylphthalate	03.12.96	9645	2.57	3.33	mg/kg	77
Fluoranthene	03.12.96	9645	2.47	3.33	mg/kg	74
Fluorene	03.12.96	9645	2.67	3.33	mg/kg	80
Hexachlorobenzene	03.12.96	9645	2.76	3.33	mg/kg	83
Hexachlorobutadiene	03.12.96	9645	2.89	3.33	mg/kg	87
Hexachlorocyclopentadiene	03.12.96	9645	3.98	3.33	mg/kg	120
Hexachloroethane	03.12.96	9645	3.02	3.33	mg/kg	91
Indeno(1,2,3-c,d)pyrene	03.12.96	9645	2.31	3.33	mg/kg	69
Isophorone	03.12.96	9645	2.65	3.33	mg/kg	80
N-Nitrosodimethylamine	03.12.96	9645	3.97	3.33	mg/kg	119
N-Nitrosodiphenylamine	03.12.96	9645	1.73	3.33	mg/kg	52
N-Nitrosodi-n-propylamine	03.12.96	9645	2.79	3.33	mg/kg	84
Nitrobenzene	03.12.96	9645	2.89	3.33	mg/kg	87
Naphthalene	03.12.96	9645	2.37	3.33	mg/kg	71
Phenanthrene	03.12.96	9645	2.54	3.33	mg/kg	76
Phenol	03.12.96	9645	1.68	3.33	mg/kg	50
Pentachlorophenol	03.12.96	9645	2.23	3.33	mg/kg	67
Pyrene	03.12.96	9645	2.86	3.33	mg/kg	86
Bis(2-chloroethoxy)methane	03.12.96	9645	2.22	3.33	mg/kg	67
Bis(2-chloroethyl)ether	03.12.96	9645	3.27	3.33	mg/kg	98
Bis(2-chloroisopropyl)ether	03.12.96	9645	2.92	3.33	mg/kg	88
Bis(2-ethylhexyl)phthalate	03.12.96	9645	2.92	3.33	mg/kg	88
2-Fluorobiphenyl Reported	03.12.96	9645	1.82	1.67	mg/kg	109
2-Fluorobiphenyl Theo.	03.12.96	9645	1.67	1.67	mg/kg	100
2-Fluorophenol Reported	03.12.96	9645	2.57	2.50	mg/kg	103 Q
2-Fluorophenol Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
2,4,6-Tribromophenol Rep.	03.12.96	9645	2.91	2.50	mg/kg	116
2,4,6-Tribromophenol Theo.	03.12.96	9645	2.50	2.50	mg/kg	100
Nitrobenzene-d5 Reported	03.12.96	9645	1.78	1.67	mg/kg	107
Nitrobenzene-d5 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
Phenol-d5 Reported	03.12.96	9645	3.05	2.50	mg/kg	122 Q
Phenol-d5 Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
Terphenyl-d14 Reported	03.12.96	9645	1.63	1.67	mg/kg	98
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
Semi-volatiles	C6031258*1					
Date Analyzed	03.12.96	9645	03/12/96	03/12/96	Date	N/A
Date Extracted	03.12.96	9645	03/12/96	03/12/96	Date	N/A
1,2,4-Trichlorobenzene	03.12.96	9645	2.75	3.33	mg/kg	83
1,2-Dichlorobenzene	03.12.96	9645	3.16	3.33	mg/kg	95
1,2-Diphenylhydrazine	03.12.96	9645	2.97	3.33	mg/kg	89

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1,3-Dichlorobenzene	03.12.96	9645	2.81	3.33	mg/kg	84
1,4-Dichlorobenzene	03.12.96	9645	2.78	3.33	mg/kg	83
2,4,5-Trichlorophenol	03.12.96	9645	3.36	3.33	mg/kg	101
2,4,6-Trichlorophenol	03.12.96	9645	2.59	3.33	mg/kg	78
2,4-Dichlorophenol	03.12.96	9645	2.33	3.33	mg/kg	70
2,4-Dimethylphenol	03.12.96	9645	2.25	3.33	mg/kg	68
2,4-Dinitrophenol	03.12.96	9645	2.24	3.33	mg/kg	67
2,4-Dinitrotoluene	03.12.96	9645	2.95	3.33	mg/kg	89
2,6-Dinitrotoluene	03.12.96	9645	2.72	3.33	mg/kg	82
2-Chloronaphthalene	03.12.96	9645	2.45	3.33	mg/kg	74
2-Chlorophenol	03.12.96	9645	2.50	3.33	mg/kg	75
2-Methyl-4,6-dinitrophenol	03.12.96	9645	1.99	3.33	mg/kg	60
2-Methylnaphthalene	03.12.96	9645	2.29	3.33	mg/kg	69
2-Methylphenol (o-Cresol)	03.12.96	9645	2.77	3.33	mg/kg	83
2-Nitroaniline	03.12.96	9645	2.45	3.33	mg/kg	74
2-Nitrophenol	03.12.96	9645	2.44	3.33	mg/kg	73
3,3'-Dichlorobenzidine	03.12.96	9645	2.47	6.67	mg/kg	37
3-Nitroaniline	03.12.96	9645	2.24	3.33	mg/kg	67
4-Bromophenylphenylether	03.12.96	9645	2.58	3.33	mg/kg	77
4-Chloro-3-methylphenol	03.12.96	9645	2.55	3.33	mg/kg	77
4-Chloroaniline	03.12.96	9645	2.35	3.33	mg/kg	71
4-Chlorophenylphenylether	03.12.96	9645	2.94	3.33	mg/kg	88
4-Methylphenol (p-Cresol)	03.12.96	9645	2.61	3.33	mg/kg	78
4-Nitroaniline	03.12.96	9645	2.22	3.33	mg/kg	67
4-Nitrophenol	03.12.96	9645	2.47	3.33	mg/kg	74
Acenaphthene	03.12.96	9645	2.84	3.33	mg/kg	85
Acenaphthylene	03.12.96	9645	2.65	3.33	mg/kg	80
Aniline	03.12.96	9645	1.63	3.33	mg/kg	49
Anthracene	03.12.96	9645	2.41	3.33	mg/kg	72
Benzidine	03.12.96	9645	0	6.67	mg/kg	0 Q
Benzo(a)anthracene	03.12.96	9645	2.65	3.33	mg/kg	80
Benzo(a)pyrene	03.12.96	9645	2.54	3.33	mg/kg	76
Benzo(b)fluoranthene	03.12.96	9645	2.11	3.33	mg/kg	63
Benzo(g,h,i)perylene	03.12.96	9645	2.55	3.33	mg/kg	77
Benzo(k)fluoranthene	03.12.96	9645	2.81	3.33	mg/kg	84
Benzyl Alcohol	03.12.96	9645	2.48	3.33	mg/kg	74
Benzoic acid	03.12.96	9645	3.13	6.67	mg/kg	47
Butylbenzylphthalate	03.12.96	9645	3.37	3.33	mg/kg	101
Chrysene	03.12.96	9645	2.67	3.33	mg/kg	80
Di-n-octylphthalate	03.12.96	9645	2.99	3.33	mg/kg	90
Dibenzo(a,h)anthracene	03.12.96	9645	2.48	3.33	mg/kg	74
Dibenzofuran	03.12.96	9645	2.48	3.33	mg/kg	74
Dibutylphthalate	03.12.96	9645	2.79	3.33	mg/kg	84
Diethylphthalate	03.12.96	9645	2.54	3.33	mg/kg	76
Dimethylphthalate	03.12.96	9645	2.67	3.33	mg/kg	80

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Fluoranthene	03.12.96	9645	2.52	3.33	mg/kg	76
Fluorene	03.12.96	9645	2.71	3.33	mg/kg	81
Hexachlorobenzene	03.12.96	9645	2.74	3.33	mg/kg	82
Hexachlorobutadiene	03.12.96	9645	2.90	3.33	mg/kg	87
Hexachlorocyclopentadiene	03.12.96	9645	4.07	3.33	mg/kg	122
Hexachloroethane	03.12.96	9645	3.14	3.33	mg/kg	94
Indeno(1,2,3-c,d)pyrene	03.12.96	9645	2.63	3.33	mg/kg	79
Isophorone	03.12.96	9645	2.66	3.33	mg/kg	80
N-Nitrosodimethylamine	03.12.96	9645	4.10	3.33	mg/kg	123
N-Nitrosodiphenylamine	03.12.96	9645	1.76	3.33	mg/kg	53
N-Nitrosodi-n-propylamine	03.12.96	9645	3.01	3.33	mg/kg	90
Nitrobenzene	03.12.96	9645	2.93	3.33	mg/kg	88
Naphthalene	03.12.96	9645	2.40	3.33	mg/kg	72
Phenanthrene	03.12.96	9645	2.56	3.33	mg/kg	77
Phenol	03.12.96	9645	2.44	3.33	mg/kg	73
Pentachlorophenol	03.12.96	9645	2.19	3.33	mg/kg	66
Pyrene	03.12.96	9645	2.99	3.33	mg/kg	90
Bis(2-chloroethoxy)methane	03.12.96	9645	2.28	3.33	mg/kg	68
Bis(2-chloroethyl)ether	03.12.96	9645	3.03	3.33	mg/kg	91
Bis(2-chloroisopropyl)ether	03.12.96	9645	2.91	3.33	mg/kg	87
Bis(2-ethylhexyl)phthalate	03.12.96	9645	2.96	3.33	mg/kg	89
2-Fluorobiphenyl Reported	03.12.96	9645	1.76	1.67	mg/kg	105
2-Fluorobiphenyl Theo.	03.12.96	9645	1.67	1.67	mg/kg	100
2-Fluorophenol Reported	03.12.96	9645	2.56	2.50	mg/kg	102 Q
2-Fluorophenol Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
2,4,6-Tribromophenol Rep.	03.12.96	9645	2.66	2.50	mg/kg	106
2,4,6-Tribromophenol Theo.	03.12.96	9645	2.50	2.50	mg/kg	100
Nitrobenzene-d5 Reported	03.12.96	9645	1.74	1.67	mg/kg	104
Nitrobenzene-d5 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
Phenol-d5 Reported	03.12.96	9645	2.99	2.50	mg/kg	120 Q
Phenol-d5 Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
Terphenyl-d14 Reported	03.12.96	9645	1.61	1.67	mg/kg	96
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
PCBs	C6031252*1					
Date Analyzed	03.13.96	9640	03/13/96	03/13/96	Date	N/A
Date Extracted	03.13.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260	03.13.96	9640	0.291	0.333	mg/kg	87
Decachlorobiphenyl Reported	03.13.96	9640	0.0095	0.0083	mg/kg	114
Decachlorobiphenyl Theoretical	03.13.96	9640	0.0083	0.0083	mg/kg	100
Tetrachloro-meta-xylene Rpt.	03.13.96	9640	0.0077	0.0083	mg/kg	93
Tetrachloro-meta-xylene Theor.	03.13.96	9640	0.0083	0.0083	mg/kg	100
4. PCBs	C6031253*1					
Date Analyzed	03.13.96	9640	03/13/96	03/13/96	Date	N/A
Date Extracted	03.13.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260	03.13.96	9640	0.260	0.333	mg/kg	78

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Decachlorobiphenyl Reported	03.13.96	9640	0.0102	0.0083	mg/kg	123
Decachlorobiphenyl Theoretical	03.13.96	9640	0.0083	0.0083	mg/kg	100
Tetrachloro-meta-xylene Rpt.	03.13.96	9640	0.0090	0.0083	mg/kg	108
Tetrachloro-meta-xylene Theor.	03.13.96	9640	0.0083	0.0083	mg/kg	100
Gasoline C6031254*1						
Date Analyzed	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Gasoline	03.07.96	963008	291	250	mg/kg	116
Naphthalene Reported	03.07.96	963008	67.6	50.0	mg/kg	135 Q
Naphthalene Theoretical	03.07.96	963008	50.0	50.0	mg/kg	100
Diesel/Hydraulic Oil C6031255*1						
Date Analyzed	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Hydraulic Oil	03.07.96	963008	473	500	mg/kg	95
Diesel	03.07.96	963008	505	500	mg/kg	101
Naphthalene Reported	03.07.96	963008	81.2	50.0	mg/kg	162 Q
Naphthalene Theoretical	03.07.96	963008	50.0	50.0	mg/kg	100
Vol.Pri.Poll. C6031387*1						
Date Analyzed	03.14.96	9650187	03/14/96	03/14/96	Date	N/A
1,1,1-Trichloroethane	03.14.96	9650187	0.0459	0.0500	mg/kg	92
1,1,2,2-Tetrachloroethane	03.14.96	9650187	0.0438	0.0500	mg/kg	88
1,1,2-Trichloroethane	03.14.96	9650187	0.0446	0.0500	mg/kg	89
1,1-Dichloroethane	03.14.96	9650187	0.0414	0.0500	mg/kg	83
1,1-Dichloroethene	03.14.96	9650187	0.0395	0.0500	mg/kg	79
1,2-Dichloroethane	03.14.96	9650187	0.0358	0.0500	mg/kg	72 Q
1,2-Dichlorobenzene	03.14.96	9650187	0.0468	0.0500	mg/kg	94
1,2-Dichloropropane	03.14.96	9650187	0.0404	0.0500	mg/kg	81
1,3-Dichlorobenzene	03.14.96	9650187	0.0475	0.0500	mg/kg	95
1,4-Dichlorobenzene	03.14.96	9650187	0.0463	0.0500	mg/kg	93
2-Chloroethylvinylether	03.14.96	9650187	0.0152	0.0500	mg/kg	30
2-Hexanone	03.14.96	9650187	0.0377	0.0500	mg/kg	75
Acetone	03.14.96	9650187	0.0255	0.0500	mg/kg	51
Acrolein	03.14.96	9650187	0.0818	0.500	mg/kg	16 Q
Acrylonitrile	03.14.96	9650187	0.324	0.500	mg/kg	65
Bromodichloromethane	03.14.96	9650187	0.0463	0.0500	mg/kg	93
Bromomethane	03.14.96	9650187	0.0542	0.0500	mg/kg	108
Benzene	03.14.96	9650187	0.0407	0.0500	mg/kg	81
Bromoform	03.14.96	9650187	0.0433	0.0500	mg/kg	87
Chlorobenzene	03.14.96	9650187	0.0470	0.0500	mg/kg	94
Carbon Tetrachloride	03.14.96	9650187	0.0440	0.0500	mg/kg	88
Chloroethane	03.14.96	9650187	0.0675	0.0500	mg/kg	135
Chloroform	03.14.96	9650187	0.0395	0.0500	mg/kg	79
Chloromethane	03.14.96	9650187	0.0480	0.0500	mg/kg	96
Carbon Disulfide	03.14.96	9650187	0.0388	0.0500	mg/kg	78
Dibromochloromethane	03.14.96	9650187	0.0448	0.0500	mg/kg	90

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Ethylbenzene	03.14.96	9650187	0.0480	0.0500	mg/kg	96
Freon 113	03.14.96	9650187	0.0536	0.0500	mg/kg	107
Methyl ethyl ketone	03.14.96	9650187	0.0271	0.0500	mg/kg	54
Methyl isobutyl ketone	03.14.96	9650187	0.0332	0.0500	mg/kg	66
Methylene chloride	03.14.96	9650187	0.0396	0.0500	mg/kg	79
Styrene	03.14.96	9650187	0.0466	0.0500	mg/kg	93
Trichloroethene	03.14.96	9650187	0.0391	0.0500	mg/kg	78
Trichlorofluoromethane	03.14.96	9650187	0.0575	0.0500	mg/kg	115
Toluene	03.14.96	9650187	0.0450	0.0500	mg/kg	90
Tetrachloroethene	03.14.96	9650187	0.0470	0.0500	mg/kg	94
Vinyl acetate	03.14.96	9650187	0.0226	0.0500	mg/kg	45
Vinyl chloride	03.14.96	9650187	0.0591	0.0500	mg/kg	118
Total Xylene Isomers	03.14.96	9650187	0.145	0.150	mg/kg	97
cis-1,2-Dichloroethene	03.14.96	9650187	0.0421	0.0500	mg/kg	84
cis-1,3-Dichloropropene	03.14.96	9650187	0.0428	0.0500	mg/kg	86
trans-1,2-Dichloroethene	03.14.96	9650187	0.0415	0.0500	mg/kg	83
trans-1,3-Dichloropropene	03.14.96	9650187	0.0417	0.0500	mg/kg	83
1,2-Dichloroethane-d4 Rep.	03.14.96	9650187	0.0480	0.0500	mg/kg	96
1,2-Dichloroethane-d4 Theo.	03.14.96	9650187	0.0500	0.0500	mg/kg	100
4-Bromofluorobenzene Rep.	03.14.96	9650187	0.0481	0.0500	mg/kg	96
4-Bromofluorobenzene Theo.	03.14.96	9650187	0.0500	0.0500	mg/kg	100
Toluene-d8 Reported	03.14.96	9650187	0.0511	0.0500	mg/kg	102
Toluene-d8 Theo.	03.14.96	9650187	0.0500	0.0500	mg/kg	100
Vol.Pri.Poll.	C6031390*1					
Date Analyzed	03.13.96	9650187	03/13/96	03/13/96	Date	N/A
1,1,1-Trichloroethane	03.13.96	9650187	0.0395	0.0500	mg/kg	79
1,1,2,2-Tetrachloroethane	03.13.96	9650187	0.0504	0.0500	mg/kg	101
1,1,2-Trichloroethane	03.13.96	9650187	0.0497	0.0500	mg/kg	99
1,1-Dichloroethane	03.13.96	9650187	0.0407	0.0500	mg/kg	81
1,1-Dichloroethene	03.13.96	9650187	0.0411	0.0500	mg/kg	82
1,2-Dichloroethane	03.13.96	9650187	0.0370	0.0500	mg/kg	74 Q
1,2-Dichlorobenzene	03.13.96	9650187	0.0473	0.0500	mg/kg	95
1,2-Dichloropropane	03.13.96	9650187	0.0424	0.0500	mg/kg	85
1,3-Dichlorobenzene	03.13.96	9650187	0.0473	0.0500	mg/kg	95
1,4-Dichlorobenzene	03.13.96	9650187	0.0467	0.0500	mg/kg	93
2-Chloroethylvinylether	03.13.96	9650187	0.0268	0.0500	mg/kg	54
2-Hexanone	03.13.96	9650187	0.0493	0.0500	mg/kg	99
Acetone	03.13.96	9650187	0.0376	0.0500	mg/kg	75
Acrolein	03.13.96	9650187	0.126	0.500	mg/kg	25 Q
Acrylonitrile	03.13.96	9650187	0.432	0.500	mg/kg	86
Bromodichloromethane	03.13.96	9650187	0.0497	0.0500	mg/kg	99
Bromomethane	03.13.96	9650187	0.0461	0.0500	mg/kg	92
Benzene	03.13.96	9650187	0.0405	0.0500	mg/kg	81
Bromoform	03.13.96	9650187	0.0475	0.0500	mg/kg	95
Chlorobenzene	03.13.96	9650187	0.0492	0.0500	mg/kg	98

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Carbon Tetrachloride	03.13.96	9650187	0.0422	0.0500	mg/kg	84
Chloroethane	03.13.96	9650187	0.0538	0.0500	mg/kg	108
Chloroform	03.13.96	9650187	0.0373	0.0500	mg/kg	75
Chloromethane	03.13.96	9650187	0.0491	0.0500	mg/kg	98
Carbon Disulfide	03.13.96	9650187	0.0401	0.0500	mg/kg	80
Dibromochloromethane	03.13.96	9650187	0.0476	0.0500	mg/kg	95
Ethylbenzene	03.13.96	9650187	0.0497	0.0500	mg/kg	99
Freon 113	03.13.96	9650187	0.0487	0.0500	mg/kg	97
Methyl ethyl ketone	03.13.96	9650187	0.0366	0.0500	mg/kg	73
Methyl isobutyl ketone	03.13.96	9650187	0.0477	0.0500	mg/kg	95
Methylene chloride	03.13.96	9650187	0.0410	0.0500	mg/kg	82
Styrene	03.13.96	9650187	0.0476	0.0500	mg/kg	95
Trichloroethene	03.13.96	9650187	0.0382	0.0500	mg/kg	76
Trichlorofluoromethane	03.13.96	9650187	0.0526	0.0500	mg/kg	105
Toluene	03.13.96	9650187	0.0484	0.0500	mg/kg	97
Tetrachloroethene	03.13.96	9650187	0.0504	0.0500	mg/kg	101
Vinyl acetate	03.13.96	9650187	0.0466	0.0500	mg/kg	93
Vinyl chloride	03.13.96	9650187	0.0471	0.0500	mg/kg	94
Total Xylene Isomers	03.13.96	9650187	0.149	0.150	mg/kg	99
cis-1,2-Dichloroethene	03.13.96	9650187	0.0419	0.0500	mg/kg	84
cis-1,3-Dichloropropene	03.13.96	9650187	0.0494	0.0500	mg/kg	99
trans-1,2-Dichloroethene	03.13.96	9650187	0.0415	0.0500	mg/kg	83
trans-1,3-Dichloropropene	03.13.96	9650187	0.0489	0.0500	mg/kg	98
1,2-Dichloroethane-d4 Rep.	03.13.96	9650187	0.0486	0.0500	mg/kg	97
1,2-Dichloroethane-d4 Theo.	03.13.96	9650187	0.0500	0.0500	mg/kg	100
4-Bromofluorobenzene Rep.	03.13.96	9650187	0.0473	0.0500	mg/kg	95
4-Bromofluorobenzene Theo.	03.13.96	9650187	0.0500	0.0500	mg/kg	100
Toluene-d8 Reported	03.13.96	9650187	0.0499	0.0500	mg/kg	100
Toluene-d8 Theo.	03.13.96	9650187	0.0500	0.0500	mg/kg	100

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ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Semi-volatiles							
Date Analyzed		03.12.96	9645	03/12/96	03/12/96	Date	N/A
Date Extracted		03.12.96	9645	03/12/96	03/12/96	Date	N/A
1,2,4-Trichlorobenzene		03.12.96	9645	2.72	2.75	mg/kg	1
1,2-Dichlorobenzene		03.12.96	9645	3.09	3.16	mg/kg	2
1,2-Diphenylhydrazine		03.12.96	9645	3.00	2.97	mg/kg	1
1,3-Dichlorobenzene		03.12.96	9645	2.70	2.81	mg/kg	4
1,4-Dichlorobenzene		03.12.96	9645	2.70	2.78	mg/kg	3
2,4,5-Trichlorophenol		03.12.96	9645	3.39	3.36	mg/kg	1
2,4,6-Trichlorophenol		03.12.96	9645	2.69	2.59	mg/kg	4
2,4-Dichlorophenol		03.12.96	9645	2.38	2.33	mg/kg	2
2,4-Dimethylphenol		03.12.96	9645	2.32	2.25	mg/kg	3
2,4-Dinitrophenol		03.12.96	9645	2.22	2.24	mg/kg	1
2,4-Dinitrotoluene		03.12.96	9645	2.80	2.95	mg/kg	5
2,6-Dinitrotoluene		03.12.96	9645	2.61	2.72	mg/kg	4
2-Chloronaphthalene		03.12.96	9645	2.43	2.45	mg/kg	1
2-Chlorophenol		03.12.96	9645	2.51	2.50	mg/kg	0
2-Methyl-4,6-dinitrophenol		03.12.96	9645	1.96	1.99	mg/kg	2
2-Methylnaphthalene		03.12.96	9645	2.27	2.29	mg/kg	1
2-Methylphenol (o-Cresol)		03.12.96	9645	2.80	2.77	mg/kg	1
2-Nitroaniline		03.12.96	9645	2.42	2.45	mg/kg	1
2-Nitrophenol		03.12.96	9645	2.55	2.44	mg/kg	4
3,3'-Dichlorobenzidine		03.12.96	9645	2.58	2.47	mg/kg	4
3-Nitroaniline		03.12.96	9645	2.18	2.24	mg/kg	3
4-Bromophenylphenylether		03.12.96	9645	2.55	2.58	mg/kg	1
4-Chloro-3-methylphenol		03.12.96	9645	2.59	2.55	mg/kg	2
4-Chloroaniline		03.12.96	9645	2.37	2.35	mg/kg	1
4-Chlorophenylphenylether		03.12.96	9645	2.61	2.94	mg/kg	12
4-Methylphenol (p-Cresol)		03.12.96	9645	2.63	2.61	mg/kg	1
4-Nitroaniline		03.12.96	9645	2.16	2.22	mg/kg	3
4-Nitrophenol		03.12.96	9645	2.54	2.47	mg/kg	3
Acenaphthene		03.12.96	9645	2.72	2.84	mg/kg	4
Acenaphthylene		03.12.96	9645	2.62	2.65	mg/kg	1
Aniline		03.12.96	9645	1.73	1.63	mg/kg	6
Anthracene		03.12.96	9645	2.38	2.41	mg/kg	1
Benzidine		03.12.96	9645	0	0	mg/kg	N/A
Benzo(a)anthracene		03.12.96	9645	2.59	2.65	mg/kg	2
Benzo(a)pyrene		03.12.96	9645	2.51	2.54	mg/kg	1
Benzo(b)fluoranthene		03.12.96	9645	2.01	2.11	mg/kg	5
Benzo(g,h,i)perylene		03.12.96	9645	2.61	2.55	mg/kg	2
Benzo(k)fluoranthene		03.12.96	9645	2.68	2.81	mg/kg	5
Benzyl Alcohol		03.12.96	9645	2.46	2.48	mg/kg	1
Benzoic acid		03.12.96	9645	2.11	3.13	mg/kg	39
Butylbenzylphthalate		03.12.96	9645	3.25	3.37	mg/kg	4
Chrysene		03.12.96	9645	2.58	2.67	mg/kg	3

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ORDER QC REPORT FOR G9602506

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ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Di-n-octylphthalate		03.12.96	9645	2.92	2.99	mg/kg	2
Dibenzo(a,h)anthracene		03.12.96	9645	2.43	2.48	mg/kg	2
Dibenzofuran		03.12.96	9645	2.42	2.48	mg/kg	2
Dibutylphthalate		03.12.96	9645	2.71	2.79	mg/kg	3
Diethylphthalate		03.12.96	9645	2.46	2.54	mg/kg	3
Dimethylphthalate		03.12.96	9645	2.57	2.67	mg/kg	4
Fluoranthene		03.12.96	9645	2.47	2.52	mg/kg	2
Fluorene		03.12.96	9645	2.67	2.71	mg/kg	1
Hexachlorobenzene		03.12.96	9645	2.76	2.74	mg/kg	1
Hexachlorobutadiene		03.12.96	9645	2.89	2.90	mg/kg	0
Hexachlorocyclopentadiene		03.12.96	9645	3.98	4.07	mg/kg	2
Hexachloroethane		03.12.96	9645	3.02	3.14	mg/kg	4
Indeno(1,2,3-c,d)pyrene		03.12.96	9645	2.31	2.63	mg/kg	13
Isophorone		03.12.96	9645	2.65	2.66	mg/kg	0
N-Nitrosodimethylamine		03.12.96	9645	3.97	4.10	mg/kg	3
N-Nitrosodiphenylamine		03.12.96	9645	1.73	1.76	mg/kg	2
N-Nitrosodi-n-propylamine		03.12.96	9645	2.79	3.01	mg/kg	8
Nitrobenzene		03.12.96	9645	2.89	2.93	mg/kg	1
Naphthalene		03.12.96	9645	2.37	2.40	mg/kg	1
Phenanthrene		03.12.96	9645	2.54	2.56	mg/kg	1
Phenol		03.12.96	9645	1.68	2.44	mg/kg	37
Pentachlorophenol		03.12.96	9645	2.23	2.19	mg/kg	2
Pyrene		03.12.96	9645	2.86	2.99	mg/kg	4
Bis(2-chloroethoxy)methane		03.12.96	9645	2.22	2.28	mg/kg	3
Bis(2-chloroethyl)ether		03.12.96	9645	3.27	3.03	mg/kg	8
Bis(2-chloroisopropyl)ether		03.12.96	9645	2.92	2.91	mg/kg	0
Bis(2-ethylhexyl)phthalate		03.12.96	9645	2.92	2.96	mg/kg	1
2-Fluorobiphenyl Reported		03.12.96	9645	1.82	1.76	mg/kg	3
2-Fluorobiphenyl Theo.		03.12.96	9645	1.67	1.67	mg/kg	0
2-Fluorophenol Reported		03.12.96	9645	2.57	2.56	mg/kg	0
2-Fluorophenol Theoretical		03.12.96	9645	2.50	2.50	mg/kg	0
2,4,6-Tribromophenol Rep.		03.12.96	9645	2.91	2.66	mg/kg	9
2,4,6-Tribromophenol Theo.		03.12.96	9645	2.50	2.50	mg/kg	0
Nitrobenzene-d5 Reported		03.12.96	9645	1.78	1.74	mg/kg	2
Nitrobenzene-d5 Theoretical		03.12.96	9645	1.67	1.67	mg/kg	0
Phenol-d5 Reported		03.12.96	9645	3.05	2.99	mg/kg	2
Phenol-d5 Theoretical		03.12.96	9645	2.50	2.50	mg/kg	0
Terphenyl-d14 Reported		03.12.96	9645	1.63	1.61	mg/kg	1
Terphenyl-d14 Theoretical		03.12.96	9645	1.67	1.67	mg/kg	0
2 PCBs							
Date Analyzed		03.13.96	9640	03/13/96	03/13/96	Date	N/A
Date Extracted		03.13.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260		03.13.96	9640	0.291	0.260	mg/kg	11
Decachlorobiphenyl Reported		03.13.96	9640	0.0095	0.0102	mg/kg	7
Decachlorobiphenyl Theoretical		03.13.96	9640	0.0083	0.0083	mg/kg	0

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BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Tetrachloro-meta-xylene Rpt.		03.13.96	9640	0.0077	0.0090	mg/kg	16
Tetrachloro-meta-xylene Theor.		03.13.96	9640	0.0083	0.0083	mg/kg	0
3. Diesel/Hydraulic Oil							
Date Analyzed		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Naphthalene Reported		03.07.96	963008	67.6	81.2	mg/kg	18
Naphthalene Theoretical		03.07.96	963008	50.0	50.0	mg/kg	0
Vol.Pri.Poll.							
Date Analyzed		03.14.96	9650187	03/14/96	03/13/96	Date	N/A
1,1,1-Trichloroethane		03.14.96	9650187	0.0459	0.0395	mg/kg	15
1,1,2,2-Tetrachloroethane		03.14.96	9650187	0.0438	0.0504	mg/kg	14
1,1,2-Trichloroethane		03.14.96	9650187	0.0446	0.0497	mg/kg	11
1,1-Dichloroethane		03.14.96	9650187	0.0414	0.0407	mg/kg	2
1,1-Dichloroethene		03.14.96	9650187	0.0395	0.0411	mg/kg	4
1,2-Dichloroethane		03.14.96	9650187	0.0358	0.0370	mg/kg	3
1,2-Dichlorobenzene		03.14.96	9650187	0.0468	0.0473	mg/kg	1
1,2-Dichloropropane		03.14.96	9650187	0.0404	0.0424	mg/kg	5
1,3-Dichlorobenzene		03.14.96	9650187	0.0475	0.0473	mg/kg	0
1,4-Dichlorobenzene		03.14.96	9650187	0.0463	0.0467	mg/kg	1
2-Chloroethyl vinyl ether		03.14.96	9650187	0.0152	0.0268	mg/kg	55
2-Hexanone		03.14.96	9650187	0.0377	0.0493	mg/kg	27
Acetone		03.14.96	9650187	0.0255	0.0376	mg/kg	38
Acrolein		03.14.96	9650187	0.0818	0.126	mg/kg	43
Acrylonitrile		03.14.96	9650187	0.324	0.432	mg/kg	29
Bromodichloromethane		03.14.96	9650187	0.0463	0.0497	mg/kg	7
Bromomethane		03.14.96	9650187	0.0542	0.0461	mg/kg	16
Benzene		03.14.96	9650187	0.0407	0.0405	mg/kg	0
Bromoform		03.14.96	9650187	0.0433	0.0475	mg/kg	9
Chlorobenzene		03.14.96	9650187	0.0470	0.0492	mg/kg	5
Carbon Tetrachloride		03.14.96	9650187	0.0440	0.0422	mg/kg	4
Chloroethane		03.14.96	9650187	0.0675	0.0538	mg/kg	23
Chloroform		03.14.96	9650187	0.0395	0.0373	mg/kg	6
Chloromethane		03.14.96	9650187	0.0480	0.0491	mg/kg	2
Carbon Disulfide		03.14.96	9650187	0.0388	0.0401	mg/kg	3
Dibromochloromethane		03.14.96	9650187	0.0448	0.0476	mg/kg	6
Ethylbenzene		03.14.96	9650187	0.0480	0.0497	mg/kg	3
Freon 113		03.14.96	9650187	0.0536	0.0487	mg/kg	10
Methyl ethyl ketone		03.14.96	9650187	0.0271	0.0366	mg/kg	30
Methyl isobutyl ketone		03.14.96	9650187	0.0332	0.0477	mg/kg	36
Methylene chloride		03.14.96	9650187	0.0396	0.0410	mg/kg	3
Styrene		03.14.96	9650187	0.0466	0.0476	mg/kg	2
Trichloroethene		03.14.96	9650187	0.0391	0.0382	mg/kg	2
Trichlorofluoromethane		03.14.96	9650187	0.0575	0.0526	mg/kg	9
Toluene		03.14.96	9650187	0.0450	0.0484	mg/kg	7
Tetrachloroethene		03.14.96	9650187	0.0470	0.0504	mg/kg	7

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ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Vinyl acetate		03.14.96	9650187	0.0226	0.0466	mg/kg	69 Q
Vinyl chloride		03.14.96	9650187	0.0591	0.0471	mg/kg	23
Total Xylene Isomers		03.14.96	9650187	0.145	0.149	mg/kg	3
cis-1,2-Dichloroethene		03.14.96	9650187	0.0421	0.0419	mg/kg	0
cis-1,3-Dichloropropene		03.14.96	9650187	0.0428	0.0494	mg/kg	14
trans-1,2-Dichloroethene		03.14.96	9650187	0.0415	0.0415	mg/kg	0
trans-1,3-Dichloropropene		03.14.96	9650187	0.0417	0.0489	mg/kg	16
1,2-Dichloroethane-d4 Rep.		03.14.96	9650187	0.0480	0.0486	mg/kg	1
1,2-Dichloroethane-d4 Theo.		03.14.96	9650187	0.0500	0.0500	mg/kg	0
4-Bromofluorobenzene Rep.		03.14.96	9650187	0.0481	0.0473	mg/kg	2
4-Bromofluorobenzene Theo.		03.14.96	9650187	0.0500	0.0500	mg/kg	0
Toluene-d8 Reported		03.14.96	9650187	0.0511	0.0499	mg/kg	2
Toluene-d8 Theo.		03.14.96	9650187	0.0500	0.0500	mg/kg	0

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MATRIX QC ACCURACY (SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS %	MSD %	TRUE RESULT	UNIT	
PCBs	9602506*1							
Aroclor 1260		03.12.96	9640	NC	NC	0.48	mg/kg	NC
Decachlorobiphenyl	Reported	03.12.96	9640	100	100	0.0113	mg/kg	
Decachlorobiphenyl	Theoretical	03.12.96	9640	100	100	0.0083	mg/kg	
Tetrachloro-meta-xylene	Rpt.	03.12.96	9640	100	100	0.0090	mg/kg	
Tetrachloro-meta-xylene	Theor.	03.12.96	9640	100	100	0.0083	mg/kg	
Diesel/Hydraulic Oil	9602506*3							
Hydraulic Oil		03.07.96	963008	111	105	587	mg/kg	
Diesel		03.07.96	963008	126	121	500	mg/kg	
Naphthalene	Reported	03.07.96	963008	186 Q	199 Q	50.0	mg/kg	Q
Naphthalene	Theoretical	03.07.96	963008	100	100	50.0	mg/kg	
Gasoline	9602506*3							
Gasoline		03.07.96	963008	170	156	500	mg/kg	
Naphthalene	Reported	03.07.96	963008	172 Q	165 Q	50.0	mg/kg	Q
Naphthalene	Theoretical	03.07.96	963008	100	100	50.0	mg/kg	

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MATRIX QC PRECISION (DUPLICATE SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
1. PCBs 9602506*1							
Date Analyzed		03.12.96	9640	03/12/96	03/12/96	Date	N/A
Date Extracted		03.12.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260		03.12.96	9640	0.48	0.48	mg/kg	0
Decachlorobiphenyl Reported		03.12.96	9640	0.0113	0.0113	mg/kg	0
Decachlorobiphenyl Theoretical		03.12.96	9640	0.0083	0.0083	mg/kg	0
Tetrachloro-meta-xylene Rpt.		03.12.96	9640	0.0090	0.0090	mg/kg	0
Tetrachloro-meta-xylene Theor.		03.12.96	9640	0.0083	0.0083	mg/kg	0
2. Diesel/Hydraulic Oil 9602506*3							
Date Analyzed		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Hydraulic Oil		03.07.96	963008	640	614	mg/kg	4
Diesel		03.07.96	963008	628	603	mg/kg	4
Naphthalene Reported		03.07.96	963008	92.8	99.4	mg/kg	7
Naphthalene Theoretical		03.07.96	963008	50.0	50.0	mg/kg	0
3. Gasoline 9602506*3							
Date Analyzed		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Gasoline		03.07.96	963008	851	778	mg/kg	9
Naphthalene Reported		03.07.96	963008	86.2	82.3	mg/kg	5
Naphthalene Theoretical		03.07.96	963008	50.0	50.0	mg/kg	0

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METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Semi-volatiles	B603671*1					
Date Analyzed	03.12.96	9645	03/12/96	NA	Date	8270
Date Extracted	03.12.96	9645	03/12/96	NA	Date	8270
1,2,4-Trichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
1,2-Dichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
1,2-Diphenylhydrazine	03.12.96	9645	0	0.2	mg/kg	8270
1,3-Dichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
1,4-Dichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
2,4,5-Trichlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4,6-Trichlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4-Dichlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4-Dimethylphenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4-Dinitrophenol	03.12.96	9645	0	0.4	mg/kg	8270
2,4-Dinitrotoluene	03.12.96	9645	0	0.2	mg/kg	8270
2,6-Dinitrotoluene	03.12.96	9645	0	0.2	mg/kg	8270
2-Chloronaphthalene	03.12.96	9645	0	0.2	mg/kg	8270
2-Chlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2-Methyl-4,6-dinitrophenol	03.12.96	9645	0	0.2	mg/kg	8270
2-Methylnaphthalene	03.12.96	9645	0	0.2	mg/kg	8270
2-Methylphenol (o-Cresol)	03.12.96	9645	0	0.2	mg/kg	8270
2-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
2-Nitrophenol	03.12.96	9645	0	0.2	mg/kg	8270
3,3'-Dichlorobenzidine	03.12.96	9645	0	0.4	mg/kg	8270
3-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
4-Bromophenylphenylether	03.12.96	9645	0	0.2	mg/kg	8270
4-Chloro-3-methylphenol	03.12.96	9645	0	0.2	mg/kg	8270
4-Chloroaniline	03.12.96	9645	0	0.2	mg/kg	8270
4-Chlorophenylphenylether	03.12.96	9645	0	0.2	mg/kg	8270
4-Methylphenol (p-Cresol)	03.12.96	9645	0	0.4	mg/kg	8270
4-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
4-Nitrophenol	03.12.96	9645	0	0.2	mg/kg	8270
Acenaphthene	03.12.96	9645	0	0.2	mg/kg	8270
Acenaphthylene	03.12.96	9645	0	0.2	mg/kg	8270
Aniline	03.12.96	9645	0	0.2	mg/kg	8270
Anthracene	03.12.96	9645	0	0.2	mg/kg	8270
Benzidine	03.12.96	9645	0	4	mg/kg	8270
Benzo(a)anthracene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(a)pyrene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(b)fluoranthene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(g,h,i)perylene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(k)fluoranthene	03.12.96	9645	0	0.2	mg/kg	8270
Benzyl Alcohol	03.12.96	9645	0	0.4	mg/kg	8270
Benzoic acid	03.12.96	9645	0	2	mg/kg	8270
Butylbenzylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Chrysene	03.12.96	9645	0	0.2	mg/kg	8270

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METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Di-n-octylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Dibenzo(a,h)anthracene	03.12.96	9645	0	0.2	mg/kg	8270
Dibenzofuran	03.12.96	9645	0	0.2	mg/kg	8270
Dibutylphthalate	03.12.96	9645	0.0057	0.2	mg/kg	8270
Diethylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Dimethylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Fluoranthene	03.12.96	9645	0	0.2	mg/kg	8270
Fluorene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachlorobutadiene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachlorocyclopentadiene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachloroethane	03.12.96	9645	0	0.2	mg/kg	8270
Indeno(1,2,3-c,d)pyrene	03.12.96	9645	0	0.2	mg/kg	8270
Isophorone	03.12.96	9645	0	0.2	mg/kg	8270
N-Nitrosodimethylamine	03.12.96	9645	0	0.2	mg/kg	8270
N-Nitrosodiphenylamine	03.12.96	9645	0	0.2	mg/kg	8270
N-Nitrosodi-n-propylamine	03.12.96	9645	0	0.2	mg/kg	8270
Nitrobenzene	03.12.96	9645	0	0.2	mg/kg	8270
Naphthalene	03.12.96	9645	0	0.2	mg/kg	8270
Phenanthrene	03.12.96	9645	0	0.2	mg/kg	8270
Phenol	03.12.96	9645	0	0.2	mg/kg	8270
Pentachlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
Pyrene	03.12.96	9645	0	0.2	mg/kg	8270
Pyridine	03.12.96	9645	0	0.4	mg/kg	8270
Bis(2-chloroethoxy)methane	03.12.96	9645	0	0.2	mg/kg	8270
Bis(2-chloroethyl)ether	03.12.96	9645	0	0.2	mg/kg	8270
Bis(2-chloroisopropyl)ether	03.12.96	9645	0	0.2	mg/kg	8270
Bis(2-ethylhexyl)phthalate	03.12.96	9645	0.0070	0.4	mg/kg	8270
2-Fluorobiphenyl Reported	03.12.96	9645	1.36	0.2	mg/kg	8270
2-Fluorobiphenyl Theo.	03.12.96	9645	1.67	NA	mg/kg	8270
2-Fluorophenol Reported	03.12.96	9645	1.87	0.2	mg/kg	8270
2-Fluorophenol Theoretical	03.12.96	9645	2.50	NA	mg/kg	8270
2,4,6-Tribromophenol Rep.	03.12.96	9645	1.71	0.2	mg/kg	8270
2,4,6-Tribromophenol Theo.	03.12.96	9645	2.50	NA	mg/kg	8270
Nitrobenzene-d5 Reported	03.12.96	9645	1.27	0.2	mg/kg	8270
Nitrobenzene-d5 Theoretical	03.12.96	9645	1.67	NA	mg/kg	8270
Phenol-d5 Reported	03.12.96	9645	2.40	0.2	mg/kg	8270
Phenol-d5 Theoretical	03.12.96	9645	2.50	NA	mg/kg	8270
Terphenyl-d14 Reported	03.12.96	9645	1.27	0.2	mg/kg	8270
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	NA	mg/kg	8270
PCBs		B603666*1				
Date Analyzed	03.12.96	9640	03/12/96	NA	Date	8080
Date Extracted	03.12.96	9640	03/12/96	NA	Date	8080
Aroclor 1016	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1221	03.12.96	9640	0	0.03	mg/kg	8080

BC ANALYTICAL

ORDER QC REPORT FOR G9602506

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[TE REPORTED : 05/06/96

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Aroclor 1232	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1242	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1248	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1254	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1260	03.12.96	9640	0	0.03	mg/kg	8080
Decachlorobiphenyl Reported	03.12.96	9640	0.0085	0.002	mg/kg	8080
Decachlorobiphenyl Theoretical	03.12.96	9640	0.0083	NA	mg/kg	8080
Tetrachloro-meta-xylene Rpt.	03.12.96	9640	0.0082	0.002	mg/kg	8080
Tetrachloro-meta-xylene Theor.	03.12.96	9640	0.0083	NA	mg/kg	8080
3 Gasoline		B603667*1				
Date Analyzed	03.07.96	963008	03/07/96	NA	Date	8015M
Date Extracted	03.07.96	963008	03/07/96	NA	Date	8015M
Gasoline	03.07.96	963008	0	NA	mg/kg	8015M
Naphthalene Reported	03.07.96	963008	60.3	1	mg/kg	8015M
Naphthalene Theoretical	03.07.96	963008	50.0	NA	mg/kg	8015M
4. Diesel/Hydraulic Oil		B603668*1				
Date Analyzed	03.07.96	963008	03/07/96	NA	Date	8015M
Date Extracted	03.07.96	963008	03/07/96	NA	Date	8015M
Hydraulic Oil	03.07.96	963008	0	NA	mg/kg	8015M
Diesel	03.07.96	963008	0	10	mg/kg	8015M
Naphthalene Reported	03.07.96	963008	42.9	1	mg/kg	8015M
Naphthalene Theoretical	03.07.96	963008	50.0	NA	mg/kg	8015M
5. Vol.Pri.Poll.		B603724*1				
Date Analyzed	03.13.96	9650187	03/13/96	NA	Date	8240
1,1,1-Trichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1,2,2-Tetrachloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1,2-Trichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1-Dichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1-Dichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichloropropane	03.13.96	9650187	0	0.005	mg/kg	8240
1,3-Dichlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
1,4-Dichlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
2-Chloroethylvinylether	03.13.96	9650187	0	0.005	mg/kg	8240
2-Hexanone	03.13.96	9650187	0	0.03	mg/kg	8240
Acetone	03.13.96	9650187	0.012	0.1	mg/kg	8240
Acrolein	03.13.96	9650187	0	0.3	mg/kg	8240
Acrylonitrile	03.13.96	9650187	0	0.3	mg/kg	8240
Bromodichloromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Bromomethane	03.13.96	9650187	0	0.005	mg/kg	8240
Benzene	03.13.96	9650187	0	0.005	mg/kg	8240
Bromoform	03.13.96	9650187	0	0.005	mg/kg	8240
Chlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
Carbon Tetrachloride	03.13.96	9650187	0	0.005	mg/kg	8240

BC ANALYTICAL

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METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Chloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
Chloroform	03.13.96	9650187	0	0.005	mg/kg	8240
Chloromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Carbon Disulfide	03.13.96	9650187	0	0.01	mg/kg	8240
Dibromochloromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Ethylbenzene	03.13.96	9650187	0	0.005	mg/kg	8240
Freon 113	03.13.96	9650187	0	0.01	mg/kg	8240
Methyl ethyl ketone	03.13.96	9650187	0	0.03	mg/kg	8240
Methyl isobutyl ketone	03.13.96	9650187	0	0.03	mg/kg	8240
Methylene chloride	03.13.96	9650187	0.0016	0.005	mg/kg	8240
Styrene	03.13.96	9650187	0	0.005	mg/kg	8240
Trichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
Trichlorofluoromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Toluene	03.13.96	9650187	0	0.005	mg/kg	8240
Tetrachloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
Vinyl acetate	03.13.96	9650187	0	0.05	mg/kg	8240
Vinyl chloride	03.13.96	9650187	0	0.005	mg/kg	8240
Total Xylene Isomers	03.13.96	9650187	0	0.02	mg/kg	8240
cis-1,2-Dichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
cis-1,3-Dichloropropene	03.13.96	9650187	0	0.005	mg/kg	8240
trans-1,2-Dichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
trans-1,3-Dichloropropene	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichloroethane-d4 Rep.	03.13.96	9650187	0.0472	0.005	mg/kg	8240
1,2-Dichloroethane-d4 Theo.	03.13.96	9650187	0.0500	NA	mg/kg	8240
4-Bromofluorobenzene Rep.	03.13.96	9650187	0.0478	0.005	mg/kg	8240
4-Bromofluorobenzene Theo.	03.13.96	9650187	0.0500	NA	mg/kg	8240
Toluene-d8 Reported	03.13.96	9650187	0.0476	0.005	mg/kg	8240
Toluene-d8 Theo.	03.13.96	9650187	0.0500	NA	mg/kg	8240

CHAIN OF CUSTODY RECORD

BCA Log Number

02000101

Client name: <u>MAJES & Associates</u>		Project or PO# <u>185 1-1 0-13</u>							
Address <u>221 Main St. 92400</u>		Phone # <u>951 213 2985</u>							
City, State, Zip <u>SF CA 94102</u>		Report attention: <u>FORWARDED FOR</u>							
Lab Sample number	Date sampled	Time sampled	Type See key below	Sampled by	Sample description	Number of containers	Analyses required		Remarks
				MC			HAZARDOUS	Hazardous sample Special handling required	
1	3/1/96	1136	SL	MC	2 0'	1			
2		1150			3 0'	1			
3		1223			1 0'	1			
4		1351			3-3'	1			
5		1421			1-1'	1			
6		1558			3-3'	1			
7		1536			2-1'	1			
8		1600			2-3'	1			
Relinquished by				Signature	Print Name	Company	Date	Time	
Received by <u>Richard P. Belmont</u>				<u>[Signature]</u>	<u>Richard P. Belmont</u>	<u>BCA Analytical</u>	<u>3/1/96</u>	<u>11</u>	
Relinquished by <u>[Signature]</u>				<u>[Signature]</u>	<u>[Name]</u>	<u>[Company]</u>	<u>[Date]</u>	<u>[Time]</u>	
Received by									
Relinquished by									
Received by Laboratory									

BC ANALYTICAL

1085 Shary Circle, Concord, CA 94518 (510) 825-3894
 801 Western Avenue, Glendale, CA 91201 (818) 247-5737
 Gene ... Way Ar ... CA 9 ... 714) 9 ... 3

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
 Hazardous samples will be returned to client or disposed of at client's expense.
 Disposal arrangements: _____

*KEY: AG—Aqueous NA—Nonaqueous SL—Sludge
 GW—Groundwater SO—Soil PE—Petroleum

APPENDIX C

NON-HAZARDOUS WASTE MANIFEST

WITH #001713

NON-HAZARDOUS

001716
1.0T

MATERIALS MANIFEST

GENERATOR

Scars

Site Address: 9000 Northgate San Rafael CA
Mailing: Dept 824 C 3333 Beverly Rd, Hallman Estates IL 60179
Phone: (817) 286-8686 Contact: Gary Taylor

TRANSPORTER

Dem Beste Transportation

Address: 930 Shulah Rd Bldg 44
Windsor CA 95492
Phone: (707) 838-1407 Contact: Lori Dem Beste

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Name: Steve Moran Signature: [Signature]
Truck No: 15 Ship Date: 4-30-96
Time of Pick-Up: 11:00 Am Time of Delivery: _____

Consultant/Owner

Dames + Moore

Address: 221 Main St Ste 600
SE CA 94105
Phone: (415) 896-5858 Contact: Branden Born

I hereby certify that the above named material is consistent with the information presented in the Waste Characterization Form and Contaminated Soil Description Form, and has been properly described, classified and packaged, and is in proper condition for transport according to applicable regulation.

Name: [Signature] Date: 4/24/96

Recycling Facility

REMEDIAL ENVIRONMENTAL MARKETING CO. INC.
2717 GOODRICK AVENUE RICHMOND, CA 94801

RECEIVED BY: [Signature]
DATE: 4/30/96
Control No: P 180

A COPY OF THIS SHEET MUST ACCOMPANY EVERY LOAD, AND MUST BE SUBMITTED AT THE GATE FOR ENTRY. ALL LOADS MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. DELIVERIES MUST BE SCHEDULED ON A DAILY BASIS. ANY UNSCHEDULED LOADS MAY BE REFUSED AT THE GATE.



LEGAL DEPARTMENT

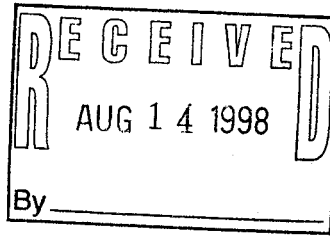
I. Lawrence Gelman
Vice President - Real Estate Law

August 13, 1998

Via Federal Express

MAIN OFFICE:

30 Hunter Lane, Camp Hill, PA 17011
Telephone No.: (717) 761-2633
Fax No.: (717) 975-5952 Fax



✓ Macerich Northwestern Associates
c/o The Macerich Company
P.O. Box 2172
401 Wilshire Boulevard #700
Santa Monica, CA 90407
Attn: Chet A. Cramin, Legal Department

Macerich Northwestern Associates
Broadway Plaza
1275 Broadway Plaza
Walnut Creek, CA 94596
Attn: Manager

RE: Las Gallinas & Northgate Drive, San Rafael, CA/Proposed RA#5958-relo
Lease dated February 23, 1984 as amended (the "Lease") for premises located at
1500 Northgate Mall, San Rafael, CA (the "Premises")

Gentlemen:

Pursuant to Paragraph 44(g) of that certain Lease Amendment Agreement dated December 29, 1997 regarding the New Premises, please find a copy of a Geotechnical Investigation Report prepared by Tong & Chang Consultants, Inc. dated August 4, 1998 and an Environmental Site Assessment Report prepared by Faultline Associates, Inc. dated August 4, 1998 (the "Environmental Report").

The Environmental Report recommends further subsurface investigation to determine whether the off-site sources of Hazardous Materials have migrated to the Land. For this reason, we are requesting your approval to conduct a limited Phase II assessment. However, due to the fact that the Land Approval Period expires 60 days from receipt of Landlord's Notice of Relocation of Premises, which is dated June 18, 1998, we are obliged to preserve our rights under the Lease as amended and accordingly, this will serve as our Notice of Disapproval of the environmental condition of the Land.

We would like to extend the Land Approval Period for a short period to conduct a limited Phase II assessment of the condition identified herein. Upon your receipt and review of the enclosures, please contact the undersigned to discuss our request further. This will serve to confirm our telephone conversation this afternoon with Chet Cramin of the Macerich Company wherein he agreed that our Federal Express mailing satisfies the notice requirements under the Lease with regard to the foregoing.

Sincerely,
Thrifty Pay Less, Inc.

Robert B. Sari
Associate Counsel
encl.

P.O. Box 3165
Harrisburg, PA 17105
(717) 761-2633
(717) 975-5952 Fax

7 Neshaminy Interplex,
Suite 209
Trevose, PA 19053
(215) 245-6553
(215) 245-4275 Fax

18500 Von Karman Avenue,
Suite 390
Irvine, CA 92612
(949) 863-1032
(949) 863-1047 Fax

**ENVIRONMENTAL
SITE ASSESSMENT
REPORT**

FOR

**RITE AID STORE SITE
NORTHGATE @ LAS GALLINAS
SAN RAFAEL, CA**

August 4, 1998

FAULTLINE ASSOCIATES, INC.

FAULTLINE ASSOCIATES, INC.

1630 N. MAIN STREET #331
WALNUT CREEK, CA 94596
PHONE: 888-258-4760
FAX: 925-280-9609

August 4, 1998

Reference: File No. SF075-050

Mr. Ted Aquino
Tait & Associates, Inc.
1001 Galaxy Way, Suite 304
Concord, CA 94520

**Subject: Phase I Environmental Site Assessment Report
Rite Aid Store Site
Northgate Dr. @ Las Gallinas Ave., San Rafael, CA**

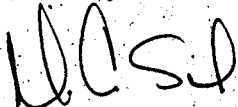
Dear Mr. Aquino:

Pursuant to your request, FAULTLINE Associates, Inc., is pleased to submit for your review and consideration, the attached Phase I Site Assessment Report for the Rite Aid, San Rafael site.

The attached report presents the activities performed and includes data pertaining to on-site inspection and evaluation activities, regulatory file review, and conclusions and recommendations.

Please contact us at your earliest convenience if you have any questions concerning the information provided or if you require any additional assistance.

Sincerely,



David C. Solis, J.D., P.E.
Principal

Attachment

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FIGURE 1 Site Location Map

FIGURE 2 Site Plan

APPENDIX A VISTA Site Assessment Plus Report

APPENDIX B Photolog

PHASE I ENVIRONMENTAL SITE ASSESSMENT

RITE AID STORE SITE

LAS GALLINAS @ NORTHGATE

SAN RAFAEL, CALIFORNIA

I. INTRODUCTION AND PURPOSE

This report presents the results of a Phase I Environmental Site Assessment conducted at the above mentioned site near the intersection of Northgate Drive and Las Gallinas Avenue, San Rafael, California. At the request of Tait & Associates, Inc., the subject site is covered in this Phase I Environmental Site Assessment and will be referred to as (the subject site).

FAULTLINE Associates, Inc. (FAI) has prepared this Phase I Environmental Site Assessment (PI-ESA), as authorized by Tait & Associates, Inc., in accordance with the current standard environmental assessment practices in the region.

The purpose of the ESA is to identify the potential presence of hazardous wastes or substances and/or related present or past activities which might be a source of contamination on the subject site or in the site vicinity.

II. SCOPE OF WORK

In accordance with our proposal dated June 29, 1998, this PI-ESA consists of the following tasks:

1. Provide a site overview to include location, description of adjacent properties, and a general description of the subject site.
2. Provide available data on the history and operations of the subject site.
3. Present reference data on the environmental setting including general information on surface topography, soil conditions, groundwater conditions, and any pertinent data from third party consultants or agencies.
4. Provide results of the following investigation activities:
 - a. Investigate waste site database (VISTA) or other published information regarding waste sites in the area of the subject site.
 - b. Perform reconnaissance and traverses of the parcels and the surrounding areas.

Observe site conditions for evidence of past activities which suggest the handling of hazardous wastes or hazardous substances.

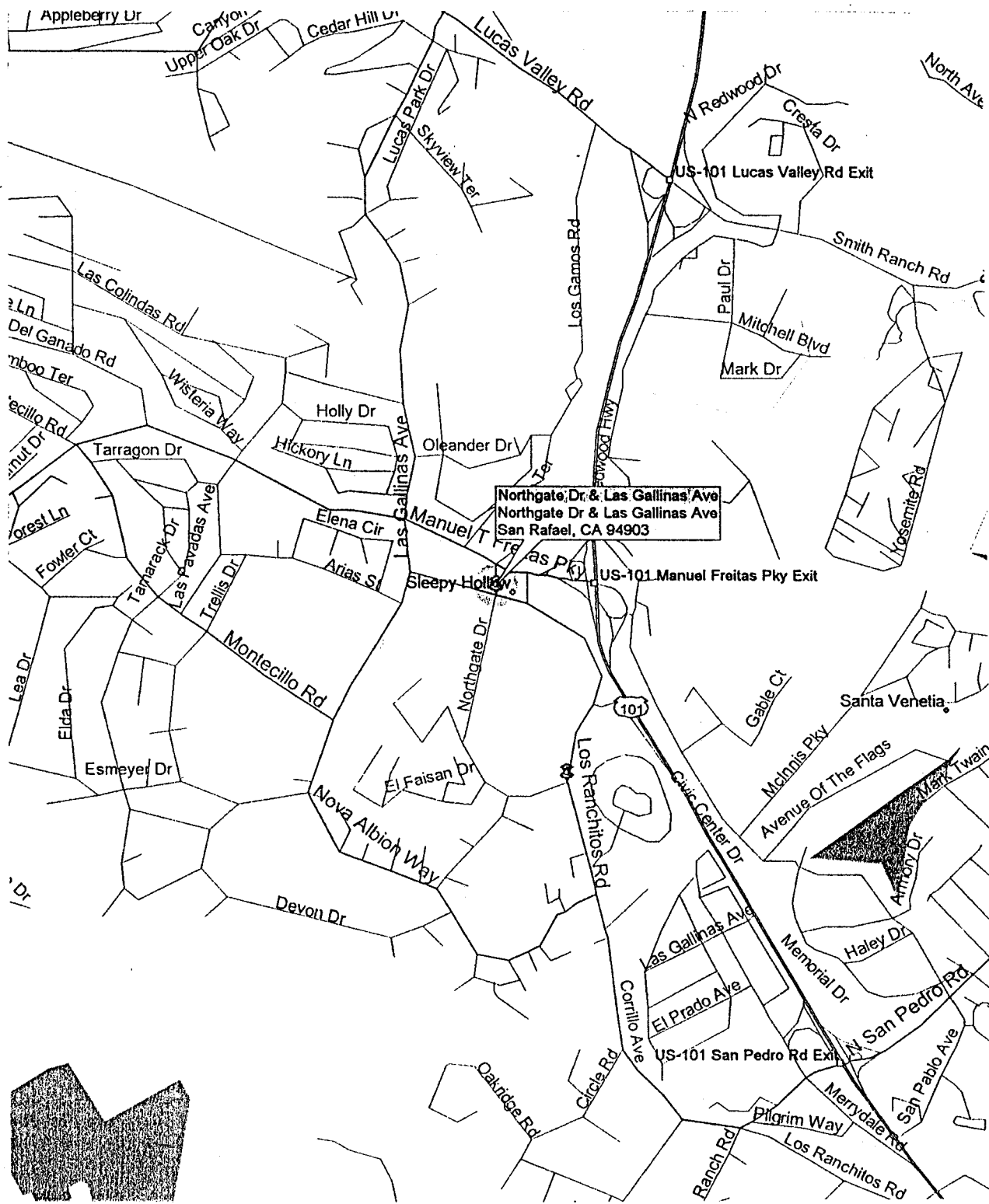
- c. Review available aerial photographs of the site over the past history of site activity.
 - d. Contact regulatory agencies and other parties with knowledge of past site and site area activities. Review agency files as appropriate.
5. Prepare a discussion focusing on potential pollutant sources and hazardous material/waste activities on or near the project site.
6. Prepare this report upon the completion of the five previous tasks and include our findings and conclusions regarding the potential for contamination of each site and/or site area from the information collected.

III. SITE OVERVIEW

A. Location and Description

The subject site is located approximately 0.25- miles east of US 101 and 0.1-miles south of Freitas Parkway at the southwestern fringe of the Tera Linda district of San Rafael in Marin County California. The site, located at the intersection of Northgate Dr. and Las Gallinas Ave. consists of a rectangular shaped parcel totaling approximately 50,000 square feet. The site rests at an elevation of approximately 70-feet above mean sea level (U.S. Geological Survey, 1978). Development in the direct vicinity of the subject site vary from residential to commercial buildings, however, the predominant local development is commercial. The subject site is bounded to the north by Las Gallinas Ave., the south by Northgate Mall, the east by surplus mall parking, and the west by Northgate Dr. There are no current structures maintained on the subject parcel.

Surface water at the site drains into several catch basins located throughout the parcel. The catch basins are drained by several storm drains located on both Northgate Dr. and Las Gallinas Ave. and eventually to the San Pablo Bay. The topography of the site is relatively flat with a slight grade toward the north.



FAULTLINE

Associates, Inc.

1630 N. Main St., Walnut Creek, CA 94596

Project Name: Northgate @ Las Galinas,
San Rafael, CA

Project Number:
SF075-050

Date:
AUG 4, 1998

Drawn By:
TLJ

Reviewed By:

FIGURE:1

SITE LOCATION MAP



B. Project Area History

This area of north-central Marin County had been primarily agricultural of an unknown nature and residential from the late 1800's to the late 1960's. Both residential and commercial development in the general vicinity has rapidly accelerated since the early 1970's. The subject site was initially developed sometime between 1963 and 1970 to be, and has remained as, the northwest parking area for the Northgate Mall.

C. Regional Geologic Setting

The general Tera Linda and San Rafael area lie on the east side of the San Andreas Fault and rests between Big Rock Ridge to the northwest, Mt. Tamalpais to the southwest and the San Francisco Bay to the east. It is situated upon the Franciscan assemblage which underlies a large portion of Marin County. The Franciscan assemblage is a heterogeneous assemblage of rocks including graywacke, arkoxic sandstone, shale, altered volcanics, chert, and serpentinite that are sheared and intermixed to various degrees. The rocks are considered sedimentary, metamorphic and igneous.

Subsurface soils within the area have been characterized as deposits of sand, sandstone, greenstone, and serpentine.

D. Site Hydrologic Setting

The subject site rests at an elevation of approximately 70-feet above mean sea level. The site was observed to be generally flat with a slight grade to the north. Surface runoff and storm water on the site in the general community drains into several catch basins located on the subject property and surrounding thoroughfares. The catch basins and storm drains are drained to the San Pablo Bay. Local waterways or tributaries in the area are the Miller Creek, located approximately 1.5-miles north of the site and the south fork of the Gallinas Creek, located .75-miles east of the subject site.

Available data pertaining to the groundwater conditions in the immediate area of the subject site indicate a depth to the first groundwater table of approximately 24 to 30- feet below ground surface. Regional groundwater flow direction is assumed to be toward the south/southeast.

E. Environmental Setting

The subject site is located in a mixed commercial/residential area. The site is relatively level with a slight grade toward the north. The site is predominantly surrounded by commercial buildings. The site is completely paved with asphaltic materials. Sporadic vegetation in the form of trees planted in planter type boxes are found throughout the site.

DEL PRESIDIO

LAS GALLINAS

SUBJECT PARCEL

NORTHGATE MALL

N
O
R
T
H
G
A
T
E

D
R
I
V
E

NOT TO SCALE

FAULTLINE
Associates, Inc.

1630 N. Main St., Walnut Creek, CA 94596

Project Name: Northgate @ Las Galinas,
San Rafael, CA

Project Number:
SF075-050

Date:
AUG 4, 1998

Drawn By:
TLJ

Reviewed By:

FIGURE: 2

SITE PLAN



IV. RESULTS OF FIELD INVESTIGATIONS

A. Site Reconnaissance

Reconnaissance of the subject site was conducted on July 17, 1998. Inspection of the subject site was conducted by site reconnaissance and aerial photograph review. The subject site consists of a single rectangular parcel totaling approximately 50,000 square feet. This Phase I Environmental Site Assessment did not include soil, water, or Asbestos Containing Materials (ACM) sampling.

B. Site Audit/Inspection Findings

Potential environmental risk observations were made during the site inspection that took place on July 17, 1998. The following is a list of environmental hazards that are commonly addressed in a Phase I Environmental Site Assessment. Their presence in this section does not necessarily imply their presence on the subject site unless otherwise noted.

Asbestos

Any structure built before 1978 has the potential to contain asbestos as an insulating component. No structures were encountered at the subject site.

PCB's

Electrical transformer boxes are the primary source of PCB's as a contaminant source. No overhead electrical lines with electrical transformer boxes or underground transformer vaults were observed at or near the subject site.

Underground Structures

No historical usage of any subsurface structures such as underground tanks (UST) or sumps was revealed during the site historical use review. Additionally, no evidence of fill pipes, vent lines or other apparatus which may be associated with the usage of UST or sumps was observed or noted during site inspection activities.

Groundwater Wells

No groundwater wells either domestic or industrial were observed at the subject site. However, several environmental groundwater monitoring wells were observed at several sites located within 500 feet of the subject parcel.

Spills

No signs of surface spills or stressed vegetation were noted during the site inspection.

Air Emissions

No obvious environmentally hazardous air emitters were noted near the subject site during the site inspection. No evidence of documented fugitive air emission violations was found during file research activities.

Water Supplies

Water is currently supplied by the Marin Municipal Water District

Hazardous Materials

A visual inspection of the subject site did not discover any signs of stressed vegetation related to hazardous material exposure. No indications of hazardous material storage was noted during the site inspection.

Radon

Radon is a radioactive gas released during the decay of uranium. It can build up in homes and other structures underlain by uranium-bearing rocks. These rocks are commonly associated with granitic plutons such as the Sierra Nevada Batholith. Occurrences in a sedimentary basin such as the San Rafael area have not been identified and the risk is therefore minimal. There has been uranite found in gold-bearing sedimentary deposits, although it is not common.

Lead

Any structure built before 1978 has the potential to contain lead based paint. No structures were encountered at the subject site.

Formaldehyde

There was no evidence of the use or storage of any formaldehyde containing materials at the subject sites.

Pesticides

The site does have known historical agricultural usage prior to 1960. Although application of both pesticide and herbicidal chemicals was common practice during this era, it is highly unlikely that residual concentrations of these chemicals which would present a human health risk would be encountered at the site. Further assessment of the native soils would be required to confirm any potential impact to the subsurface soils and/or groundwater by pesticides.

Sewer System

Sanitary sewage services are supplied to the site by the Marin County Sanitary District.

Surface Drainage

Surface runoff and storm water on the site in the general community drains into several catch basins and storm drains located on the subject property and surrounding thoroughfares. The catch basins and storm drains are drained eventually to the San Pablo Bay.

V. REGULATORY AGENCY CONTACTS, LIST AND FILE REVIEW

Agency contacts were made and available lists of known active and abandoned hazardous waste/material sites were reviewed in order to compile a list of potential sources of contamination in the vicinity of the sites. The lists reviewed and sites identified within one mile of the subject sites are in the VISTA database report presented in Appendix A. In addition to the VISTA database search, we reviewed site area files and lists at the Marin Fire District Headquarters. This section presents information gathered as a result of the list review and file inspection.

A. List Review

The following are the lists reviewed during this phase of investigation and the corresponding sites within approximately one mile of the subject site.

CERCLIS	Contaminated sites under CERCLA (1980)
NPL	Federal Superfund Sites List
TSD	Facilities that treat, store, or dispose of hazardous waste
CORRACTS	Facilities under RCRA corrective actions
SPL	Sites prioritized by the State for cleanup
SCL	Sites under review by the State
SWLF	Sites permitted as solid waste landfills, incinerators, or transfer stations
TOXIC PITS	Toxic Pits cleanup list
TRIS	Facilities with toxic chemical releases, and inventories
UST/AST	Sites with registered underground or aboveground storage tanks
CORTESE	Hazardous Waste and Substances Site List
ERNS	Sites with previous hazardous materials spills
GNRTR	Sites that generate large or small quantities of hazardous waste
LUST	Leaking Underground Storage Tanks - SF Bay Region 1, Leaking Underground Tank List
LUFT	Leaking Underground Fuel Tank List, Marin Fire District

B. Regulatory and Public Entity Contacts

Review of the Vista Data Base which identifies several Leaking Underground Storage Tank (LUST) sites within the general community of the subject site and evaluation of the relationship to the location of the subject site to the LUST sites, indicates that a majority of the listed LUST sites are either up or cross-gradient from the subject site. This would indicate that the subject site may be considered a moderate risk as a recipient of migratory contamination from any of the nearby impacted facilities. Although this claim is substantiated by regional groundwater flow data, for purposes of validation, several contacts were made to locate past records and information, and to determine the current status of the closest active impacted sites shown on the hazardous waste materials site lists described above. Selected regulatory files were reviewed and are discussed below.

Site & Distance from subject site	UST Removed	Type of Contaminant	Site Investigation	Site Remedial Status	Closure
4244 Redwood, 0.37-miles, NE	UST removed 9-95	Gas, diesel	Complete 4-96	Remediation by excavation complete 5-96.	10-96
99 Monticello, 0.40- miles, E	UST removed 11-97	Diesel	No impact identified.		NA
1005 Northgate, 0.01- miles, N	UST removed 7-96	Waste Oil	Complete 3-97. Monitoring is on-going.		
949 Del Presidio, 0.01- miles, N	Tanks installed 1983	Gas, diesel	Wells installed 5-98. Monitoring is on-going.		
930 Del Presidio, 0.01- miles, N	1990	Gas, diesel	NA	Active groundwater remediation has been on-going since 1992.	
4300 Redwood, 0.00-miles, NE	NA	Solvents	Complete 1983	Active groundwater remediation has been on-going since 1984.	
950 Del Presidio, 0.01-miles, N	NA	Gas, diesel	Wells installed 1997. Monitoring is on-going.		
929 Del Presidio, 0.01-miles, N	UST removed 1991	Gas, diesel	Complete 1991	Remediation by excavation complete 5-91.	4-96

VI. AERIAL PHOTOGRAPH REVIEW

Aerial photographs taken in 1950, 1963, 1970, 1980, 1990, and 1996 were reviewed at Pacific Aerial Survey in Oakland, California. The following section summarizes the pertinent details of site and adjacent area activities as they appeared on these photographs.

1950, October 10, Photo ID #AV41-03-06

The subject site is undeveloped as is the surrounding community. The general vicinity is comprised primarily of agricultural fields and farm houses. The Old Redwood Hwy is the main thoroughfare in the area.

1963, July 9, Photo ID #AV550-03-14

The subject site is undeveloped as are the adjacent commercial sites. Residential development in the general vicinity is expanding, however sparse. No significant industrial development is identified.

1970, July 2, Photo ID #AV957-04-19

The subject site has been developed as a large complex and is modified slightly from it's current state. Del Presidio Ave. which currently dead ends at the mall parking lot extends through the lot and proceeds to the mall. The development in the area is still predominantly residential although commercial construction is visible. Residential and commercial development in the general community has increased at an accelerated rate. Several gas stations have been constructed on Del Presidio Ave. at the north side of the subject site. No other significant industrial development in the general vicinity is identified.

1980, July 17, Photo ID #AV1840-05-18, (1:12,000)

The subject site appears as it does today. Commercial and residential development in the general community is continuing to expand. All previously identified gas stations are intact and appear to be operational. No significant industrial development in the general vicinity is identified.

1990, March 15, Photo ID #AV3766-10-53, (1:12,000)

The subject site appears as it does today. All previously identified gas stations are intact and appear to be operational. No significant industrial development in the general vicinity is identified.

1996, March 15, Photo ID #KAV5132-112-12, (1:24,000)

The site and adjacent lots appear as they do today. The UNOCAL station located on the north side of the site is under renovation. The gas station located on the north side of Freitas Pkwy has been abandoned. No significant industrial development in the general vicinity is identified.

VII. CONCLUSIONS AND RECOMMENDATIONS

The summary and conclusions presented in this section are based on observations, field investigation descriptions, analytical results, and interpretations delineated and developed in the body of this report. The following are key conclusions for the site inspection activities performed:

- The record search from local, state, and federal agencies revealed no indications of fuel or hazardous material spills, leaks, or disposal on the subject site.
- Our site survey detected no visual or olfactory evidence of hazardous material/waste disposal to the surfaces of the subject site.
- Review and evaluation of identified neighboring impacted sites indicates a potential risk, although minimal, of contaminant migration to the subject site.

Definitive conclusions regarding the subsurface conditions related to environmental concerns at the subject sites are beyond the scope of this project as no soil or water sampling was included in this scope of work.

RECOMMENDATIONS

The following recommendations are made based upon review and evaluation of the above-discussed conclusions:

- ✓ As three up-gradient sites which are in close proximity to the subject site have been identified to have impact to the localized groundwater by petroleum hydrocarbons, consideration should be given to the collection of water samples to validate the water quality at the subject parcel.

VIII. REPORT LIMITATIONS

This report has been prepared for the exclusive use of Rite Aid Corporation and Tait & Associates, Inc. with specific application to the subject site in San Rafael, California. The use of this report, its contents, or any part of it, or its agents, other than the ones for whom this report is prepared, is herewith disallowed.

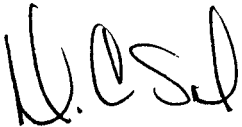
In part, these findings, conclusions, and recommendations are based on the best available information known or made available by regulators, other consultants, or other sources. Over time, the surficial evidence of some activities are obscured or obliterated entirely. It is possible that certain adverse conditions could exist at the sites which were not detected in this evaluation.

The services provided under this contract as described in this report include professional opinions and judgements based on data collected. These services have been performed according to generally accepted assessment practices. The opinions and conclusions contained in this report are typically based on information obtained from:

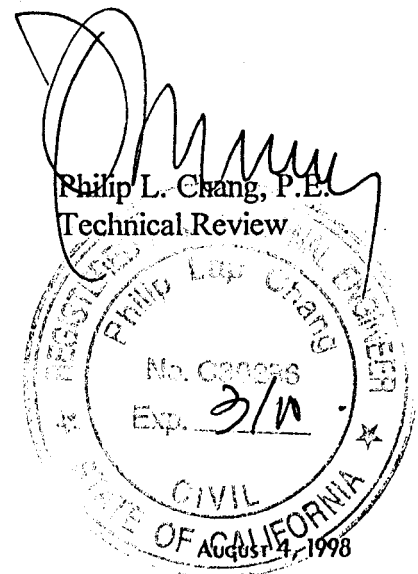
1. Observations and measurements by field staff
2. Contacts and discussions with regulatory agencies and others
3. Review of available hazardous substance or solid waste site lists
4. Opinions and judgements of our personnel based on available information.

The Client has retained FAI for the sole purpose of assisting the Client in evaluating the environmental liability associated with the project site. It is recognized and agreed that FAI has assumed responsibility only for performing this investigation and presenting this report and conclusions to the Client. The responsibility for making any further evaluation, disclosure, or report to any third party or for the taking of corrective, remedial, and/or mitigative action shall be solely that of the Client. The Client agrees to hold FAI harmless from any and all liability, damage, loss, cost, or expense, including attorney fees, in any way arising from the claim of any third party. FAI agrees not to make, except at the clients request, any report to any third party not legally required of it.

Respectfully Submitted,
Faultline Associates, Inc.



David C. Solis, J.D., P.E.
Principal/Sr. Project Manager



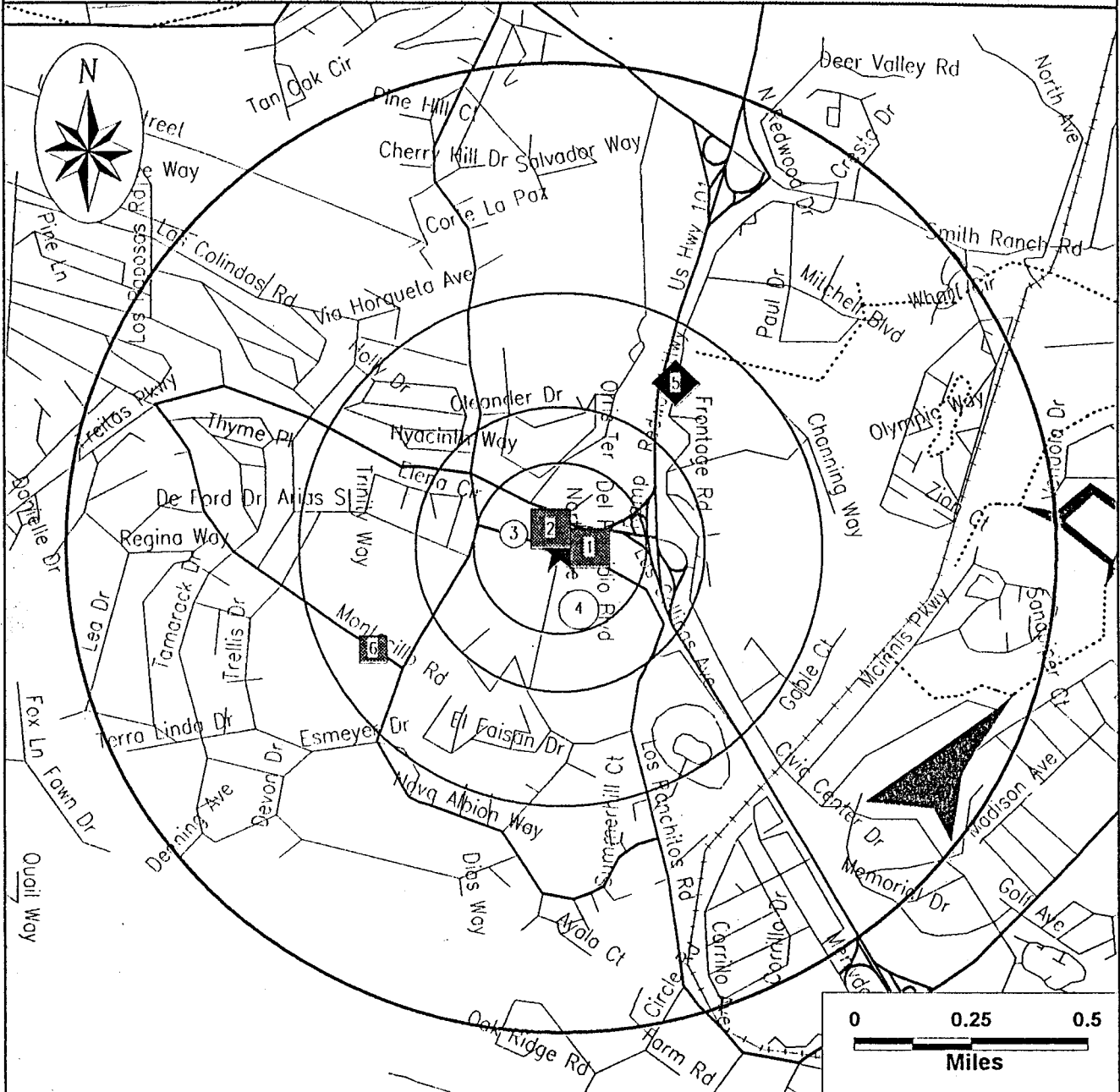
Appendix A

VISTA SITE ASSESSMENT PLUS REPORT
July 9, 1998



SITE ASSESSMENT PLUS REPORT

Map of Sites within One Mile



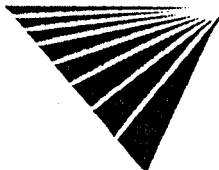
Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	▲	○
	Multiple Sites	◆	■	▲	○
	Highways and Major Roads	NPL, SPL, CORRACTS, (TSD),			
	Roads	CERCLIS, NFRAP, TSD, SCL, LUST, SWLF			
	Railroads	TRIS, UST			
	Rivers or Water Bodies	ERNS, GENERATORS	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

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

Report ID: 214432001

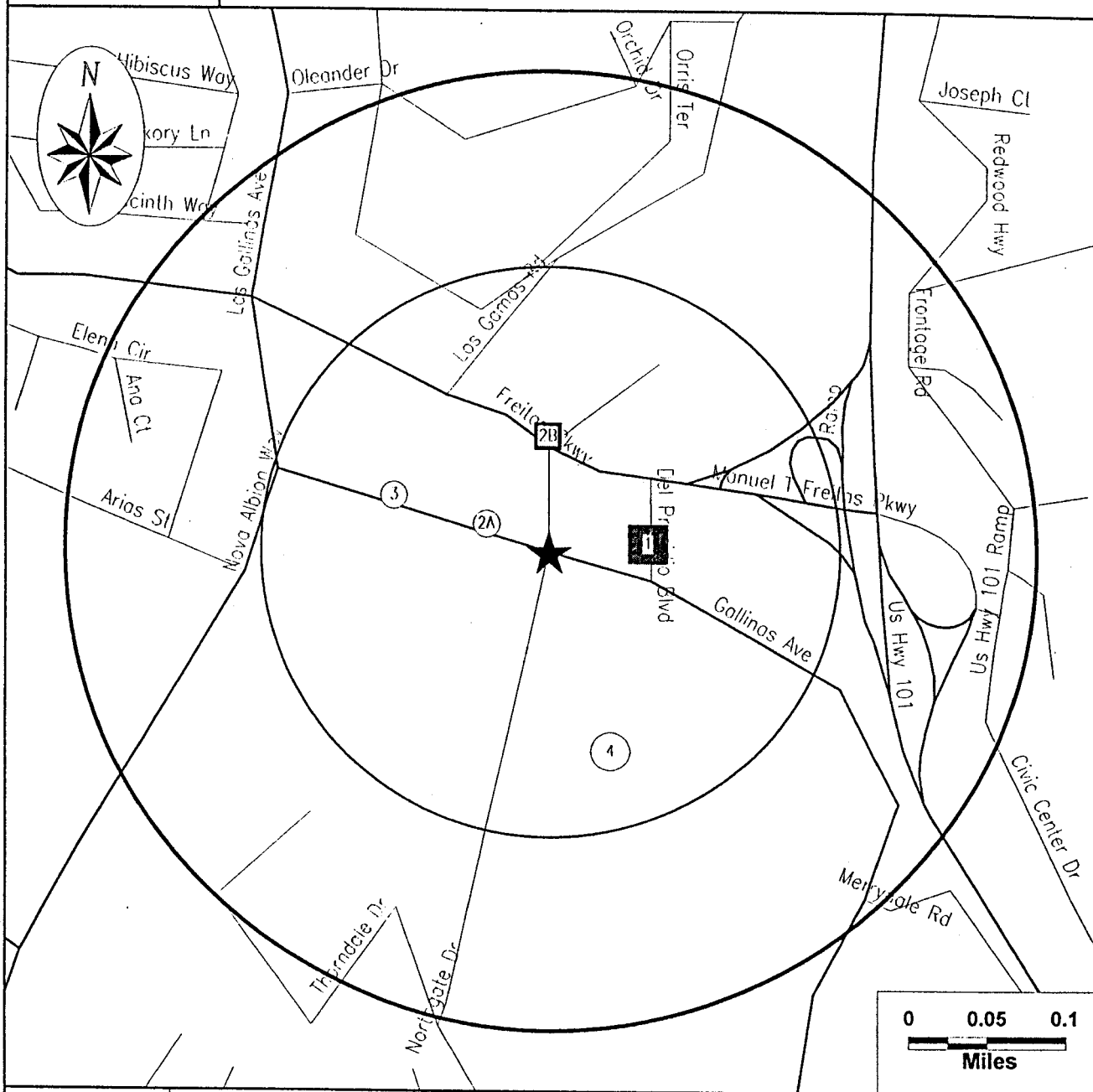
Date of Report: July 9, 1998

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SITE ASSESSMENT PLUS REPORT

Map of Sites within Quarter Mile



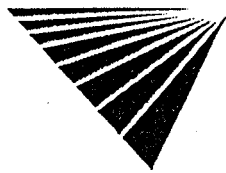
Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	▲	○
	Multiple Sites	◆	■	▲	○
Highways and Major Roads Roads Railroads Rivers or Water Bodies Utilities		NPL, SPL, CORRACTS, (TSD),	CERCLIS/ NFRAP, TSD, SCL, LUST, SWLF	TRIS, UST	ERNS, GENERATORS
<p>If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

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Report ID: 214432001

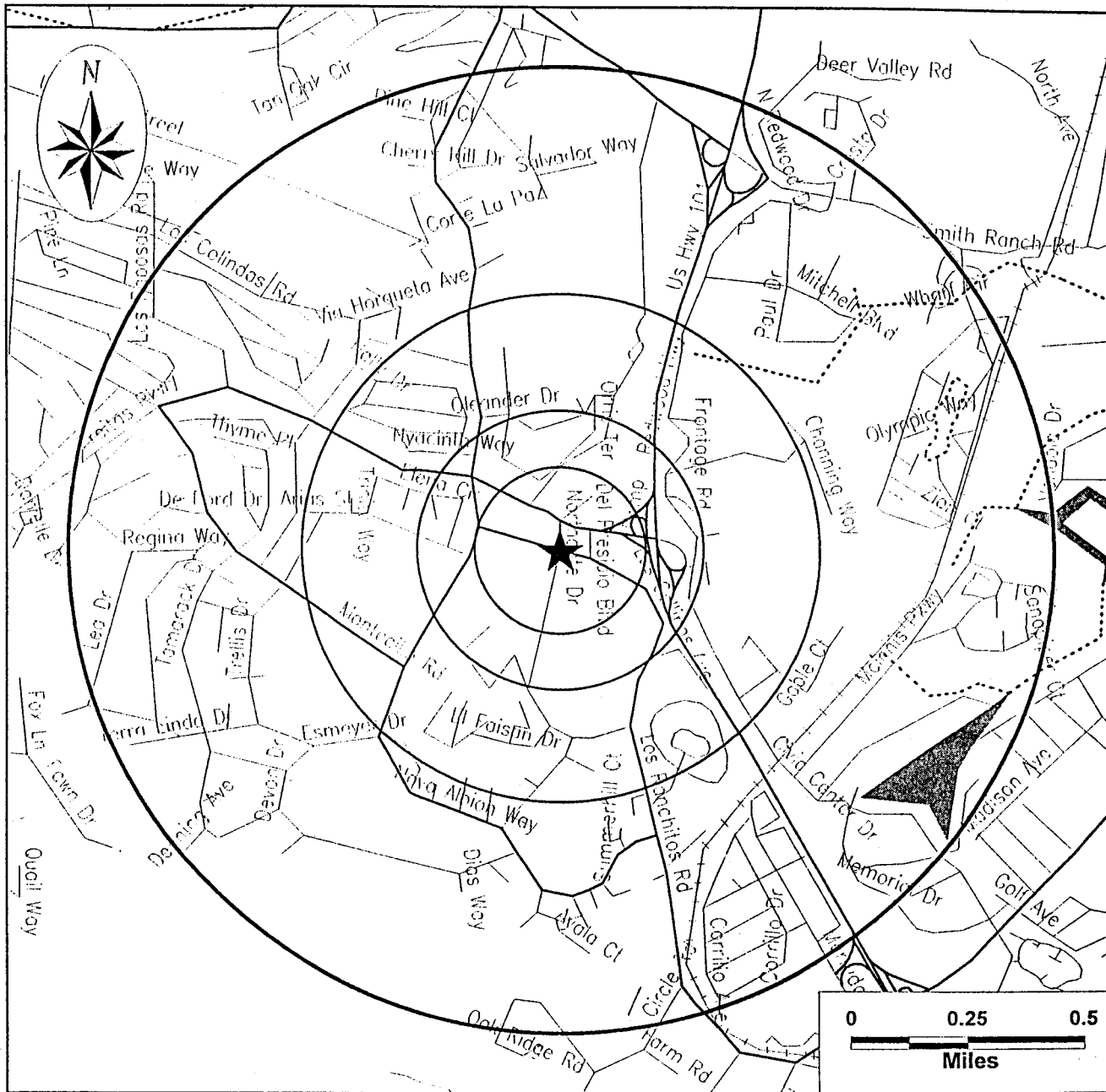
Date of Report: July 9, 1998

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SITE ASSESSMENT PLUS REPORT

Street Map



Subject Site



Highways and Major Roads

Roads

Railroads

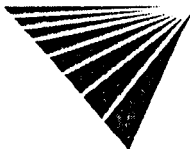
Rivers or Water Bodies

Utilities

SITE ASSESSMENT PLUS REPORT

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	A		B							C		D					
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
1	UNION OIL SS# 4774 929 DEL PRESIDIO SAN RAFAEL, CA 94903	1253585 0.00 MI NA													X				
1	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94903	5354072 0.00 MI NA										X							
1	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94903	2745802 0.00 MI NA							X										
1	93553 CHEVRON 949 DEL PRESIDIO SAN RAFAEL, CA 94903	932624 <0.01 MI E							X			X			X				
1	EXXON SERVICE STATION 7-7067 930 DEL PRESIDIO SAN RAFAEL, CA 94903	1583911 0.01 MI E							X			X			X				
1	NORTHGATE SHELL 950 DEL PRESIDIO SAN RAFAEL, CA 94903	377355 0.01 MI E							X			X			X				
2A	PAUL D SATHER M D RADIOLOGY OFFICE 750 LAS GALLINOS 101 SAN RAFAEL, CA 94903	18457 0.00 MI NA																	X
2B	ARTS AUTO CARE 1005 NORTHGATE SAN RAFAEL, CA 94903	4036181 0.01 MI N							X						X				
3	PACIFIC BELL 820 LAS GALLINAS AVE SAN RAFAEL, CA 94903	315567 0.05 MI W																	X
4	NORTHGATE MALL 5800 NORTHGATE MALL SAN RAFAEL, CA 94903	300623 0.07 MI S																	X
4	EXPRESSLY PORTRAITS INC 5600 NORTHGATE MALL SAN RAFAEL, CA 94903	4062708 0.07 MI S																	X
4	PAYLESS 4372 1500 NORTHGATE MALL SAN RAFAEL, CA 94903	5356395 0.07 MI S																	X



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

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MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	A			B							C		D					
		VISTA ID DISTANCE DIRECTION	NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
No Records Found																			

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	A			B							C		D						
		VISTA ID DISTANCE DIRECTION	NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
5	TESTA PLUMBING, INC 4244 REDWOOD SAN RAFAEL, CA 94903	3201517 0.37 MI NE							X							•				
5	FAIRCHILD CAMERA INSTRUMENT 4300 REDWOOD HWY SAN RAFAEL, CA 94903	147438 0.40 MI NE		X	X		X	X				X	X		•				•	
6	KAISER MEDICAL CENTER 99 MONTICELLO SAN RAFAEL, CA 94903	3199375 0.40 MI SW							X							•				

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



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

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

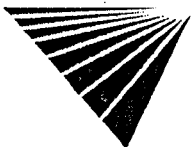
Report ID: 214432-001

Date of Report: July 9, 1998

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UNMAPPED SITES	VISTA ID	A			B							C		D				
		NPL	CORRACTS(TSD)	SPL	CERCLIS/INFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
JIFFY LUBE #1590 9000 NORTHGATE MALL SAN RAFAEL, CA 94903	7240597														X			
MARIN COUNTY CIVIC CENTER CIVIC CENTER SAN RAFAEL, CA 94903	1233232						X								X			
MARIN COUNTY CIVIC CENTER CIVIC CENTER DR SAN RAFAEL, CA 94903	5353902										X							
LUCASFILM. LTD. LUCAS VALLEY RD SAN RAFAEL, CA 94903	5355507										X							
CECCOTI NEXT TO GHILOTTI SAN RAFAEL, CA	6831390							X										



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

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SITE ASSESSMENT PLUS REPORT

DETAILS

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

VISTA Address*:	UNION OIL SS# 4774 929 DEL PRESIDIO SAN RAFAEL, CA 94903	VISTA ID#:	1253585
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A

Map ID

1

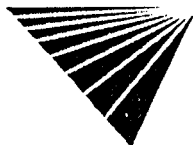
Agency Address:		SAME AS ABOVE	
Underground Tanks:		4	
Aboveground Tanks:		NOT REPORTED	
Tanks Removed:		NOT REPORTED	
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	5000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL (NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	280 (GALLONS)	Tank Material:	BARE STEEL

VISTA Address*:	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94903	VISTA ID#:	5354072
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point
CORTESE / SRC# 2298		EPA/Agency ID:	N/A

Map ID

1

Agency Address:		UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA	
List Name:		LEAKING TANK	
Site ID:		INV-ID21-000163	



* VISTA address includes enhanced city and ZIP.

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

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

Map ID

1

VISTA Address*:	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94903	VISTA ID#:	2745802
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point
		EPA/Agency ID:	N/A

STATE LUST - State Leaking Underground Storage Tank / SRC# 4440	
Agency Address:	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901
Leak ID#:	21-0157
Leak Date:	19910214
Leak Report Date:	19910214
Remediation Start Date:	000001.)
Leak Detection Method:	TC
Leak Cause:	U
Leak Source:	U
Substance:	12035
Substance:	8006619
Remediation Event:	0
Remediation Event:	EDGT
Remediation Status:	9
Priority:	1C3
Media Affected:	O
Funding:	F
Description / Comment:	ARCHIVED 11/1/96 CONTROL NO 120-110

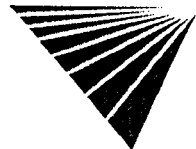
STATE LUST - State Leaking Underground Storage Tank / SRC# 4548		EPA/Agency ID:	N/A
Agency Address:	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901		
Leak ID#:	21-0157		
Leak Report Date:	19910214		
Substance:	WASTE OIL		
Remediation Event:	EDGT		
Remediation Status:	CASE CLOSED		
Media Affected:	OTHER GROUND WATER		

Map ID

1

VISTA Address*:	93553 CHEVRON 949 DEL PRESIDIO SAN RAFAEL, CA 94903	VISTA ID#:	932624
		Distance/Direction:	<0.01 MI / E
		Plotted as:	Point

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS



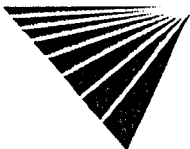
PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
Agency Address:	CHEVRON 949 DEL PRESIDIO BLVD SAN RAFAEL, CA	
List Name:	LEAKING TANK	
Site ID:	INV-ID21-000033	

STATE LUST - State Leaking Underground Storage Tank / SRC# 4440	EPA/Agency ID:	N/A
Agency Address:	CHEVRON 949 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901	
Leak ID#:	21-0166	
Leak Date:	19870817	
Leak Report Date:	19870817	
Remediation Start Date:	000001.)	
Leak Detection Method:	TC	
Leak Cause:	F	
Leak Source:	T	
Substance:	8006619	
Remediation Event:	0	
Remediation Event:	NA	
Remediation Status:	0	
Media Affected:	U	
Funding:	F	
Description / Comment:	DISPENSER FILTER BROKE 15 GL SPILLED, NOT A UST CASE	

STATE LUST - State Leaking Underground Storage Tank / SRC# 4548	EPA/Agency ID:	N/A
Agency Address:	CHEVRON 949 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901	
Leak ID#:	21-0166	
Leak Report Date:	19870817	
Substance:	GASOLINE	
Remediation Event:	NA	
Remediation Status:	NO ACTION	
Media Affected:	UNDEFINED	



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

Map ID

1

VISTA Address*:	EXXON SERVICE STATION 7-7067 930 DEL PRESIDIO SAN RAFAEL, CA 94903	VISTA ID#:	1583911
		Distance/Direction:	0.01 MI / E
		Plotted as:	Point

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

Agency Address:	SAME AS ABOVE
Underground Tanks:	5
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	12000 (GALLONS)	Tank Material:	FIBERGLASS

Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS

Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS

Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	FIBERGLASS

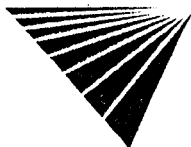
Tank ID:	5U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	Tank Material:	FIBERGLASS

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
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Agency Address:	EXXON 930 DEL PRESIDIO BLVD SAN RAFAEL, CA
List Name:	LEAKING TANK
Site ID:	INV-ID21-000052

STATE LUST - State Leaking Underground Storage Tank / SRC# 4440	EPA/Agency ID:	N/A
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Agency Address:	EXXON 930 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901
Leak ID#:	21-0048
Leak Date:	19880616
Leak Report Date:	19880616
Remediation Start Date:	000001.)
Leak Detection Method:	TC
Leak Cause:	U
Leak Source:	U
Substance:	12036
Substance:	12035
Remediation Event:	0
Remediation Event:	GT



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

Remediation Status:	5C
Media Affected:	O
Funding:	F
Description / Comment:	EXTRACTION TRENCHES IN OPERATION.
STATE LUST - State Leaking Underground Storage Tank / SRC# 4548	EPA/Agency ID: N/A
Agency Address:	EXXON 930 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901
Leak ID#:	21-0048
Leak Report Date:	19880616
Substance:	MISC MOTOR VEHICLE FUELS
Remediation Event:	GT
Remediation Status:	FURTHER SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER

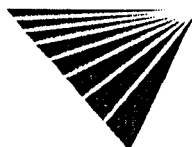
VISTA Address*:	NORTHGATE SHELL 950 DEL PRESIDIO SAN RAFAEL, CA 94903	VISTA ID#:	377355
		Distance/Direction:	0.01 MI / E
		Plotted as:	Point

Map ID

1

STATE UST - State Underground Storage Tank / SRC# 1612	EPA/Agency ID:	N/A	
Agency Address:	NORTHGATE SHELL 950 DEL PRESIDIO SAN RAFAEL, CA 94901		
Underground Tanks:	4		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	550 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
Agency Address:	SHELL 950 DEL PRESIDIO BLVD SAN RAFAEL, CA	
List Name:	LEAKING TANK	
Site ID:	INV-ID21-000139	



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

STATE LUST - State Leaking Underground Storage Tank / SRC# 4440		EPA/Agency ID:	N/A
Agency Address:	SHELL 950 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901		
Leak ID#:	21-0133		
Leak Date:	19871105		
Leak Report Date:	19871211		
Remediation Start Date:	000001.)		
Leak Detection Method:	TC		
Leak Cause:	F		
Leak Source:	T		
Substance:	12035		
Remediation Event:	0		
Remediation Event:	ED		
Remediation Status:	3B		
Priority:	2A4		
Media Affected:	O		
Funding:	F		
Description / Comment:	NFA PROPOSED		

STATE LUST - State Leaking Underground Storage Tank / SRC# 4548		EPA/Agency ID:	N/A
Agency Address:	SHELL 950 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901		
Leak ID#:	21-0133		
Leak Report Date:	19871211		
Substance:	WASTE OIL		
Remediation Event:	ED		
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY		
Media Affected:	OTHER GROUND WATER		

VISTA Address*:	PAUL D SATHER M D RADIOLOGY OFFICE 750 LAS GALLINOS 101 SAN RAFAEL, CA 94903	VISTA ID#:	3198457
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point
RCRA-SmGen - RCRA-Small Generator / SRC# 4467		EPA ID:	CAD983624941
Agency Address:	PAUL O SATHER RADIOLOGY OFFICE 750 LAS GALLINAS NO 101 SAN RAFAEL, CA 94903		
Generator Class:	Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste		

Map ID
2A

VISTA Address*:	ARTS AUTO CARE 1005 NORTHGATE SAN RAFAEL, CA 94903	VISTA ID#:	4036181
		Distance/Direction:	0.01 MI / N
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Underground Tanks:	5		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

Map ID
2B



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

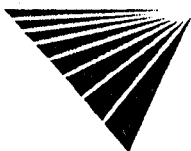
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	5U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	550 (GALLONS)	Tank Material:	BARE STEEL

STATE LUST - State Leaking Underground Storage Tank / SRC# 4440	EPA/Agency ID:	N/A
---	-----------------------	-----

Agency Address:	ART'S AUTO CARE 1005 NORTHGATE DR SAN RAFAEL, CA 94901
Leak ID#:	21-0275
Leak Date:	19891117
Leak Report Date:	19930126
Remediation Start Date:	000001.)
Leak Detection Method:	TC
Leak Cause:	U
Leak Source:	U
Substance:	12031
Remediation Event:	0
Remediation Event:	NT
Remediation Status:	1
Priority:	2A4
Media Affected:	0
Funding:	F
Description / Comment:	SRFD ORDERS REMOVAL OF ALL UST'S 1/26/93;MAXSL TPH-G

STATE LUST - State Leaking Underground Storage Tank / SRC# 4548	EPA/Agency ID:	N/A
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Agency Address:	ART'S AUTO CARE 1005 NORTHGATE DR SAN RAFAEL, CA 94901
Leak ID#:	21-0275
Leak Report Date:	19930126
Substance:	UNLEADED GASOLINE
Remediation Event:	NT
Remediation Status:	LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF



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

Media Affected: OTHER GROUND WATER

VISTA Address*:	PACIFIC BELL 820 LAS GALLINAS AVE SAN RAFAEL, CA 94903	VISTA ID#:	315567
		Distance/Direction:	0.05 MI / W
RCRA-LgGen - RCRA-Large Generator / SRC# 4467		Plotted as:	Point
Agency Address:		EPA ID:	CAT080015779
Generator Class:		PACIFIC BELL 820 LAS GALLINAS AVENUE SAN RAFAEL, CA 94903 Generates at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).	

Map ID
3

VISTA Address*:	NORTHGATE MALL 5800 NORTHGATE MALL SAN RAFAEL, CA 94903	VISTA ID#:	300623
		Distance/Direction:	0.07 MI / S
RCRA-SmGen - RCRA-Small Generator / SRC# 4467		Plotted as:	Point
Agency Address:		EPA ID:	CAD981422736
Generator Class:		NORTHGATE MALL 5800 NORTHGATE MALL SAN RAFAEL, CA 94901 Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste	

Map ID
4

VISTA Address*:	EXPRESSLY PORTRAITS INC 5600 NORTHGATE MALL SAN RAFAEL, CA 94903	VISTA ID#:	4062708
		Distance/Direction:	0.07 MI / S
RCRA-SmGen - RCRA-Small Generator / SRC# 4467		Plotted as:	Point
Agency Address:		EPA ID:	CAD983667429
Generator Class:		EXPRESSLY PORTRAITS INC 5600 NORTHGATE MALL SAN RAFAEL, CA 94903 Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste	

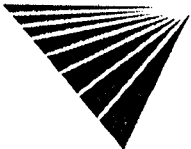
Map ID
4

VISTA Address*:	PAYLESS 4372 1500 NORTHGATE MALL SAN RAFAEL, CA 94903	VISTA ID#:	5356395
		Distance/Direction:	0.07 MI / S
RCRA-SmGen - RCRA-Small Generator / SRC# 4467		Plotted as:	Point
Agency Address:		EPA ID:	CA0001007533
Generator Class:		RITE AID NO 5958 1500 NORTHGATE MALL SAN RAFAEL, CA 94903 Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste	

Map ID
4

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

No Records Found



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

VISTA Address*:	TESTA PLUMBING, INC 4244 REDWOOD SAN RAFAEL, CA 94903	VISTA ID#:	3201517
		Distance/Direction:	0.37 MI / NE
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 4440		EPA/Agency ID:	N/A

Map ID

5

Agency Address:	TESTA PLUMBING 4244 REDWOOD HWY SAN RAFAEL, CA 94903
Leak ID#:	21-0312
Leak Date:	19950926
Leak Report Date:	19950926
Leak Detection Method:	TC
Leak Cause:	U
Leak Source:	U
Substance:	8006619
Remediation Event:	0
Remediation Event:	EDGT
Remediation Status:	9
Priority:	1C1
Media Affected:	0
Description / Comment:	ARCHIVED 11/1/96 CONTROL NO 120-096

STATE LUST - State Leaking Underground Storage Tank / SRC# 4548		EPA/Agency ID:	N/A
Agency Address:	TESTA PLUMBING 4244 REDWOOD HWY SAN RAFAEL, CA 94903		
Leak ID#:	21-0312		
Leak Report Date:	19950926		
Substance:	GASOLINE		
Remediation Event:	EDGT		
Remediation Status:	CASE CLOSED		
Media Affected:	OTHER GROUND WATER		

Map ID

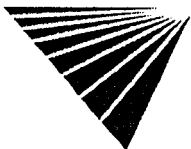
5

VISTA Address*:	FAIRCHILD CAMERA INSTRUMENT 4300 REDWOOD HWY SAN RAFAEL, CA 94903	VISTA ID#:	147438
		Distance/Direction:	0.40 MI / NE
		Plotted as:	Point
CORTESE / SRC# 2298		EPA/Agency ID:	N/A

Agency Address:	FAIRCHILD SEMICONDUCTOR 4300 REDWOOD HWY SAN RAFAEL, CA 949030000
List Name:	LEAKING TANK
Site ID:	INV-ID21-000530

Regional CERCLIS / SRC# 2462		EPA ID:	CAD009144619
Agency Address:	SAME AS ABOVE		
Regional Utility Description: NEW CERCLIS SITE			

STATE LUST - State Leaking Underground Storage Tank / SRC# 4440		EPA/Agency ID:	N/A
Agency Address:	FAIRCHILD SEMICONDUCTOR 4300 REDWOOD RD SAN RAFAEL, CA 94901		
Leak Date:	19820601		
Leak Report Date:	19820601		
Remediation Start Date:	000001.)		



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

Leak Detection Method:	TC
Leak Cause:	F
Leak Source:	T
Substance:	79016
Remediation Event:	0
Remediation Event:	GT
Remediation Status:	7
Media Affected:	0
Funding:	F
Description / Comment:	SLL
NFRAP / SRC# 4466	
Agency Address:	SAME AS ABOVE
EPA Region:	9
Congressional District:	6
Federal Facility:	NOT A FEDERAL FACILITY
Facility Ownership:	PRIVATE
Site Incident Category:	unknown
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET
NPL Status:	NOT ON NPL
Incident Type:	Unknown
Proposed NPL Update #:	0
Final NPL Update #:	0
Financial Management System ID:	NOT REPORTED
Latitude:	3800420
Longitude:	12232300
Lat/Long Source:	GENERATED BY THE GEOGRAPH DATABASE
Lat/Long Accuracy:	Unknown
Dioxin Tier:	Unknown
USGS Hydro Unit:	18050002
RCRA Indicator:	ENVIRONMENTAL PRIORITY INITIATIVE
Unit Id:	0
Unit Name:	ENTIRE SITE
Type:	DISCOVERY
Qualifier:	UNKNOWN
Name:	DISCOVERY
Plan Status:	Unknown
Lead Agency:	EPA FUND-FINANCED
Category:	Unknown
Actual Start Date:	NOT REPORTED
Actual Completion Date:	UNKNOWN
Type:	PRELIMINARY ASSESSMENT
Qualifier:	DEFERRED TO RCRA (SUBTITLE C) OR NRC
Name:	PRELIMINARY ASSESSMENT
Plan Status:	Unknown
Lead Agency:	EPA FUND-FINANCED
Category:	Unknown
Actual Start Date:	NOT REPORTED
Actual Completion Date:	UNKNOWN



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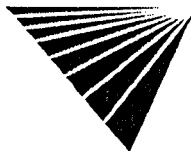
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SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

CORRACTS / SRC# 4467		EPA ID:	CAD009144619
Agency Address:	SAME AS ABOVE		
Prioritization Status:	MEDIUM		
RCRA Facility Assessment Completed:	YES		
Notice of Contamination:	NO		
Determination of need For a RFI (RCRA Facility Investigation):	NO		
RFI Imposed:	NO		
RFI Workplan Notice of Deficiency Issued:	NO		
RFI Workplan Approved:	NO		
RFI Report Received:	NO		
RFI Approved:	NO		
No Further Corrective Action at this Time:	NO		
Stabilization Mesaures Evaluation:	NO		
CMS (Corrective Measure Study) Imposition:	NO		
CMS Workplan Approved:	NO		
CMS Report Received:	NO		
CMS Approved:	NO		
Date for Remedy Selection (CM Imposed):	NO		
Corrective Measures Design Approved:	NO		
Corrective Measures Investigation Workplan Approved:	NO		
Certification of Remedy Completion:	NO		
Stabilization Measures Implementation:	NO		
Stabilization Measures Completed:	NO		
Corrective Action Process Termination:	NO		
RCRA-TSD CORRACTS / SRC# 4467		EPA ID:	CAD009144619
Agency Address:	SAME AS ABOVE		
Off-Site Waste Received:	NO		
Land Disposal:	NO		
Incinerator:	NO		
Storage/Treatment:	YES		
SCL - State Equivalent CERCLIS List / SRC# 4543		Agency ID:	21360001
Agency Address:	FAIRCHILD DISCRETE DIVISION 4300 REDWOOD HIGHWAY SAN RAFAEL, CA 94903		
Status:	UNKNOWN		
Facility Type:	NOT AVAILABLE		
Lead Agency:	UNKNOWN		
State Status:	FORMER ANNUAL WORKPLAN SITE, REFERRED TO RWQCB		
Pollutant 1:	UNKNOWN		
Pollutant 2:	UNKNOWN		
Pollutant 3:	UNKNOWN		



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

STATE LUST - State Leaking Underground Storage Tank / SRC# 4548	EPA/Agency ID:	N/A
Agency Address:	FAIRCHILD SEMICONDUCTOR 4300 REDWOOD RD SAN RAFAEL, CA 94901	
Leak Report Date:	19820601	
Substance:	TCE	
Remediation Event:	GT	
Remediation Status:	REMEDIAL ACTION UNDERWAY	
Media Affected:	OTHER GROUND WATER	

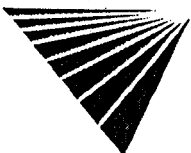
STATE LUST - State Leaking Underground Storage Tank / SRC# 4579	EPA/Agency ID:	N/A
Agency Address:	FAIRCHILD SEMICONDUCTOR CORP 4300 REDWOOD RD SAN RAFAEL, CA 94901	
Facility ID:	21S0001	
Leak Report Date:	19920909	
Contamination Confirmed Date:	000003.*	
Leak Source:	SPILLS	
Wells Impacted:	0	
Remediation Status:	INACTIVE	
Priority:	N	
Media Affected:	NO	
Lead Agency Contact:	RWQCB	
Agency Contact:	JMJ	
Description / Comment:	MANUFACTURED ELECTRONIC CIRCUITS	

VISTA Address*:	KAISER MEDICAL CENTER 99 MONTICELLO SAN RAFAEL, CA 94903	VISTA ID#:	3199375
		Distance/Direction:	0.40 MI / SW
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 4440	EPA/Agency ID:	N/A	

Map ID

6

Agency Address:	KAISER MEDICAL CENTER 99 MONTECILLO RD SAN RAFAEL, CA 94901		
Leak ID#:	21-0199		
Leak Date:	19930617		
Leak Report Date:	19930618		
Remediation Start Date:	000001.)		
Leak Detection Method:	SM		
Leak Cause:	U		
Leak Source:	U		
Substance:	12034		
Remediation Event:	0		
Remediation Event:	NT		
Remediation Status:	1		
Priority:	2A4		
Media Affected:	0		
Funding:	F		
Description / Comment:	DISCHARGE HAS NOT YET BEEN STOPPED - 7/26/63 WRKPLN FOR SITE INVESTIGATION		



*VISTA address includes enhanced city and ZIP.

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

STATE LUST - State Leaking Underground Storage Tank / SRC# 4548	EPA/Agency ID:	N/A
Agency Address:	KAISER MEDICAL CENTER 99 MONTECILLO RD SAN RAFAEL, CA 94901	
Leak ID#:	21-0199	
Leak Report Date:	19930618	
Substance:	DIESEL	
Remediation Event:	NT	
Remediation Status:	LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF	
Media Affected:	OTHER GROUND WATER	

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

No Records Found



* VISTA address includes enhanced city and ZIP.

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UNMAPPED SITES

VISTA Address*:	CECCOTI NEXT TO GHILOTTI SAN RAFAEL, CA	VISTA ID#:	6831390
STATE SWLF - Solid Waste Landfill / SRC# 4705		Agency ID:	21-CR-0002
Agency Address:	SAME AS ABOVE		
Facility Type:	SOLID WASTE DISPOSAL FACILITY		
Facility Status:	CLOSED		
Permit Status:	UNDER REVIEW		



SITE ASSESSMENT PLUS REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL
SRC#: 4584

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for NPL was April, 1998.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.

SPL
SRC#: 4544

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Calsites Database: Annual Workplan Sites was January, 1998.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. The agency may be contacted at: 916-323-3400.

CORRACTS
SRC#: 4467

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for HWDMS/RCRIS was February, 1998.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

B) DATABASES SEARCHED TO 1/2 MILE

CERCLIS
SRC#: 4465

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was February, 1998.

The CERCLIS List contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.

Cal Cerclis
SRC#: 2462

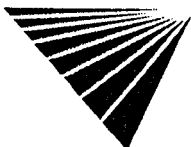
VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Ca Cerclis w/Regional Utility Description was June, 1995.

This database is provided by the U.S. Environmental Protection Agency, Region 9. The agency may be contacted at: . These are regional utility descriptions for California CERCLIS sites.

NFRAP
SRC#: 4466

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS-NFRAP was February, 1998.

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.



SCL
SRC#: 4543

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was January, 1998.

This database is provided by the Department of Toxic Substances Control. The agency may be contacted at:

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

RCRA-TSD
SRC#: 4467

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

SWLF
SRC#: 4705

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Ca Solid Waste Information System (SWIS) was April, 1998.

This database is provided by the Integrated Waste Management Board. The agency may be contacted at: 916-255-4021.

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

WMUDS
SRC#: 3938

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Waste Management Unit Database System (WMUDS) was May, 1997.

This database is provided by the State Water Resources Control Board. The agency may be contacted at: 916-892-0323. This is used for program tracking and inventory of waste management units. This system contains information from the following eight main databases: Facility, Waste Management Unit, SWAT Program Information, SWAT Report Summary Information, Chapter 15 (formerly Subchapter 15), TPCA Program Information, RCRA Program Information, Closure Information; also some information from the WDS (Waste Discharge System). This database con

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

LUST
SRC#: 4548

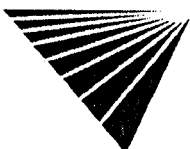
VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Lust Information System (LUSTIS) was February, 1998.

This database is provided by the California Environmental Protection Agency. The agency may be contacted at: 916-445-6532.

LUST
SRC#: 4579

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Region #2-North and South Bay SLIC Report was January, 1998.

This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at: 510-286-0838.



LUST RG2
SRC#: 4440

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Region #2-San Francisco Bay Fuel Leaks List was December, 1997.

This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at: 510-286-0838.

CORTESE
SRC#: 2298

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Cortese List-Hazardous Waste Substance Site List was February, 1995.

This database is provided by the Office of Environmental Protection, Office of Hazardous Materials. The agency may be contacted at: 916-445-6532.

The California Governor's Office of Planning and Research annually publishes a listing of potential and confirmed hazardous waste sites throughout the State of California under Government Code Section 65962.5. This database (CORTESE) is based on input from the following: (1)CALSITES-Department of Toxic Substances Control, Abandoned Sites Program Information Systems; (2)SARA Title III Section III Toxic Chemicals Release Inventory for 1987, 1988, 1989, and 1990; (3)FINDS; (4)HWIS-Department of Toxic Substances Control, Hazardous Waste Information System. Vista has not included one time generator facilities from Cortese in our database.; (5)SWRCB-State Water Resources Control Board; (6)SWIS-Integrated Waste Management Control Board (solid waste facilities); (7)AGT25-Air Resources Board, dischargers of greater than 25 tons of criteria pollutants to the air; (8)A1025-Air Resources Board, dischargers of greater than 10 and less than 25 tons of criteria pollutants to the air; (9)LTANK-SWRCB Leaking Underground Storage Tanks; (10)UTANK-SWRCB Underground tanks reported to the SWEEPS systems; (11)IUR-Inventory Update Rule (Chemical Manufacturers); (12)WB-LF- Waste Board - Leaking Facility, site has known migration; (13)WDSE-Waste Discharge System - Enforcement Action; (14)DTSCD-Department of Toxic Substance Control Docket.

Deed
Restrictions
SRC#: 1703

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Deed Restriction Properties Report was April, 1994.

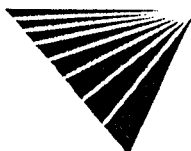
This database is provided by the Department of Health Services-Land Use and Air Assessment. The agency may be contacted at: 916-323-3376. These are voluntary deed restriction agreements with owners of property who propose building residences, schools, hospitals, or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste".

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

Toxic Pits
SRC#: 2229

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Summary of Toxic Pits Cleanup Facilities was February, 1995.

This database is provided by the Water Quality Control Board, Division of Loans Grants. The agency may be contacted at: 916-227-4396.



North Bay
SRC#: 1718

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for North Bay County Toxic List-Region #2 Surface Spills was April, 1994.

This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at:

C) DATABASES SEARCHED TO 1/4 MILE

RCRA-Viols/Enf VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.

UST's
SRC#: 1612

VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for Underground Storage Tank Registrations Database was January, 1994.

This database is provided by the State Water Resources Control Board, Office of Underground Storage Tanks. The agency may be contacted at: 916-227-4337; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.

AST's
SRC#: 4320

VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for Aboveground Storage Tank Database was December, 1997.

This database is provided by the State Water Resources Control Board. The agency may be contacted at: 916-227-4364.

TRIS
SRC#: 3716

VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for TRIS was December, 1996.

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

D) DATABASES SEARCHED TO 1/8 MILE

ERNS
SRC#: 4583

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for was January, 1998.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through January 1998 revealed information regarding reported spills of oil or hazardous substances in the stated area.



RCRA-LgGen
SRC#: 4467

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen
SRC#: 4467

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

SPILL
SRC#: 161

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for California Hazardous Materials Incident Report was December, 1990.

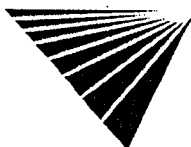
This database is provided by the Office of Emergency Services. The agency may be contacted at:

SPILL
SRC#: 4642

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for Region #1-Active Toxic Site Investigations-Spills was March, 1998.

This database is provided by the Regional Water Quality Control Board, Region #1 (North Coast Region). The agency may be contacted at: 707-576-2220.

End of Report



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

Report ID: 214432-001

Date of Report: July 9, 1998

Version 2.6

Page #27

Appendix B

PHOTOGRAPH LOG



SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Front of site looking south. Northgate Mall is in background. Intersection of Las Galinas and Northgate is in foreground.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO #: 1



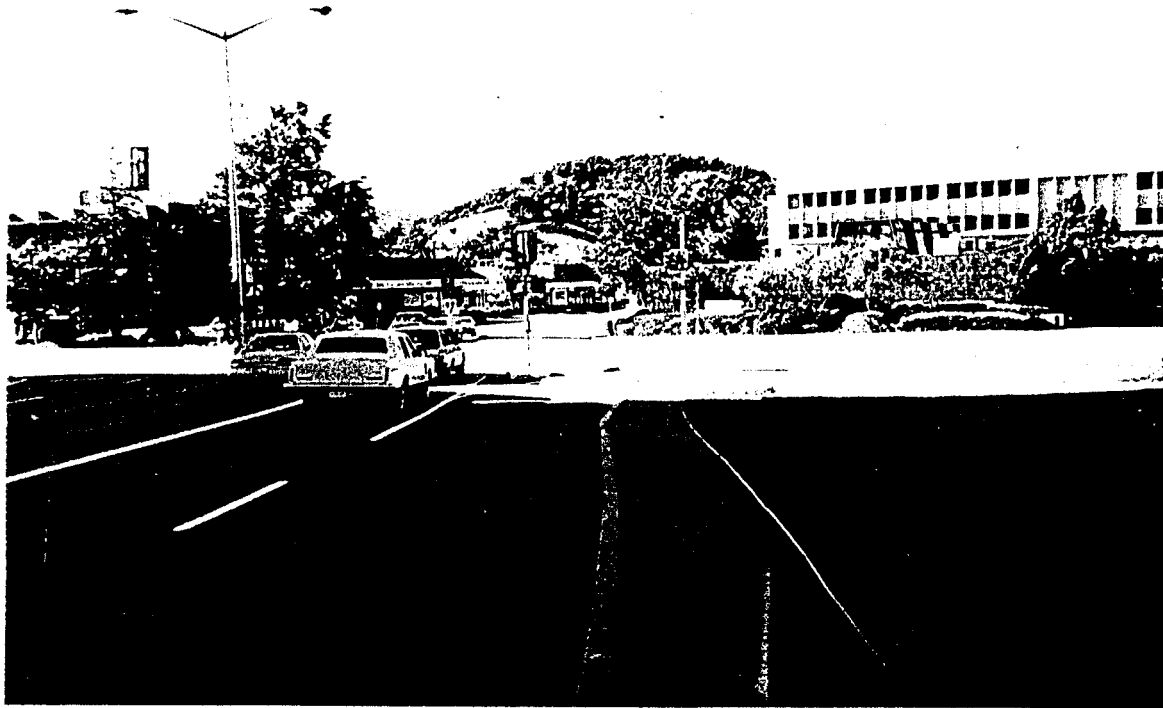
SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Front of site looking at west side of parcel. Northgate Mall is in background. Intersection of Northgate and Las Galinas is in foreground. Neighboring office building is on right side of photo.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO# : 2



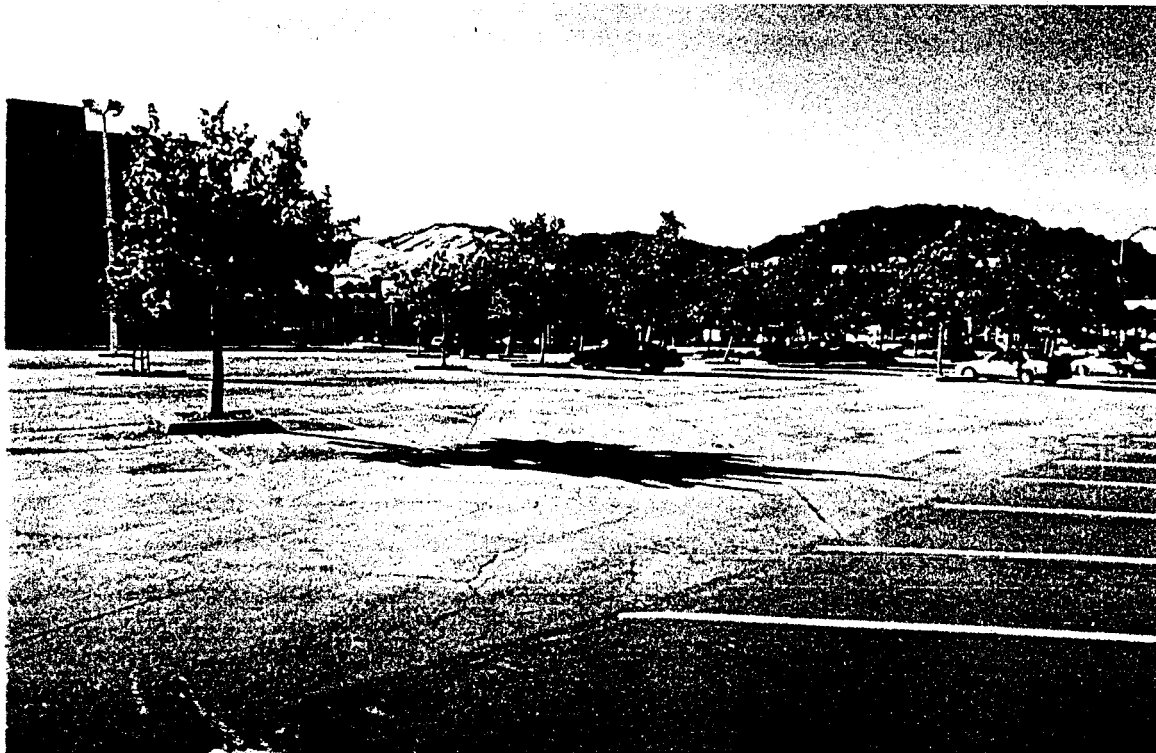
SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: West side of parcel looking north. Neighboring commercial facilities are visible in background.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO #: 3



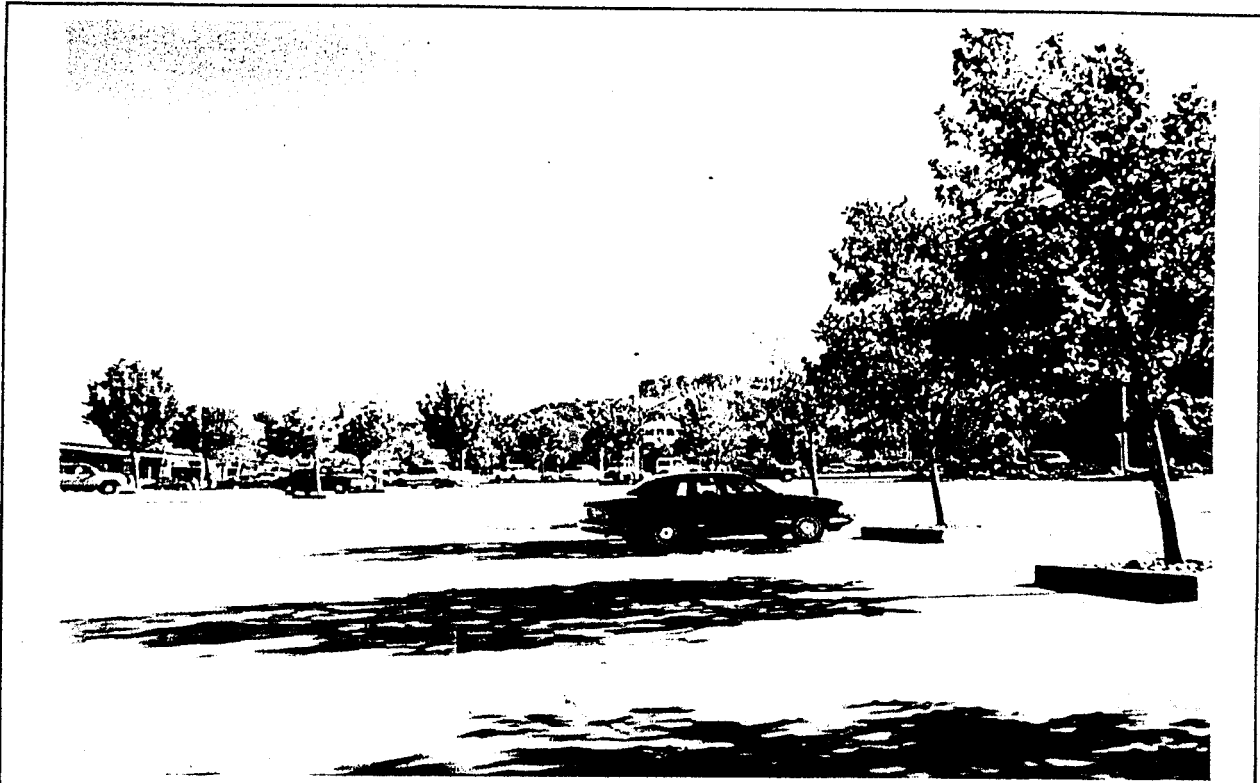
SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Standing on the subject site looking northwest. Local foothills are in background.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO# : 4



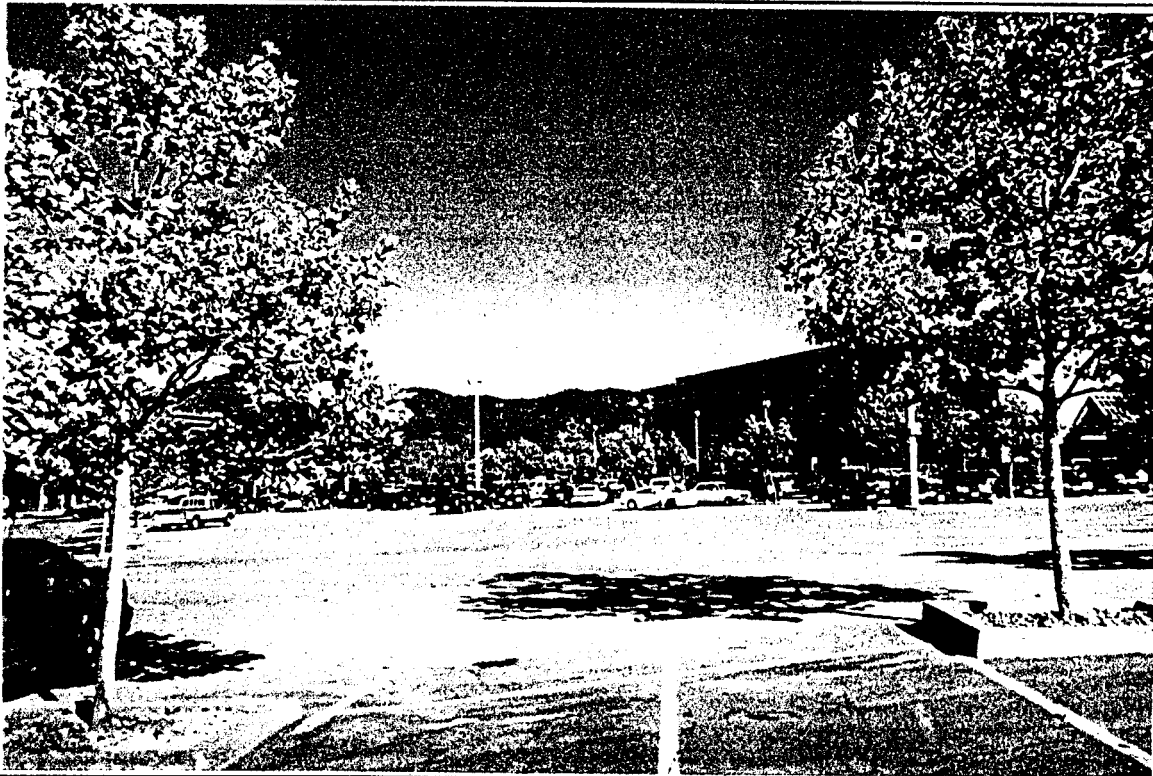
SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Standing on the subject site looking south. Northgate Mall is in background.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO #: 5



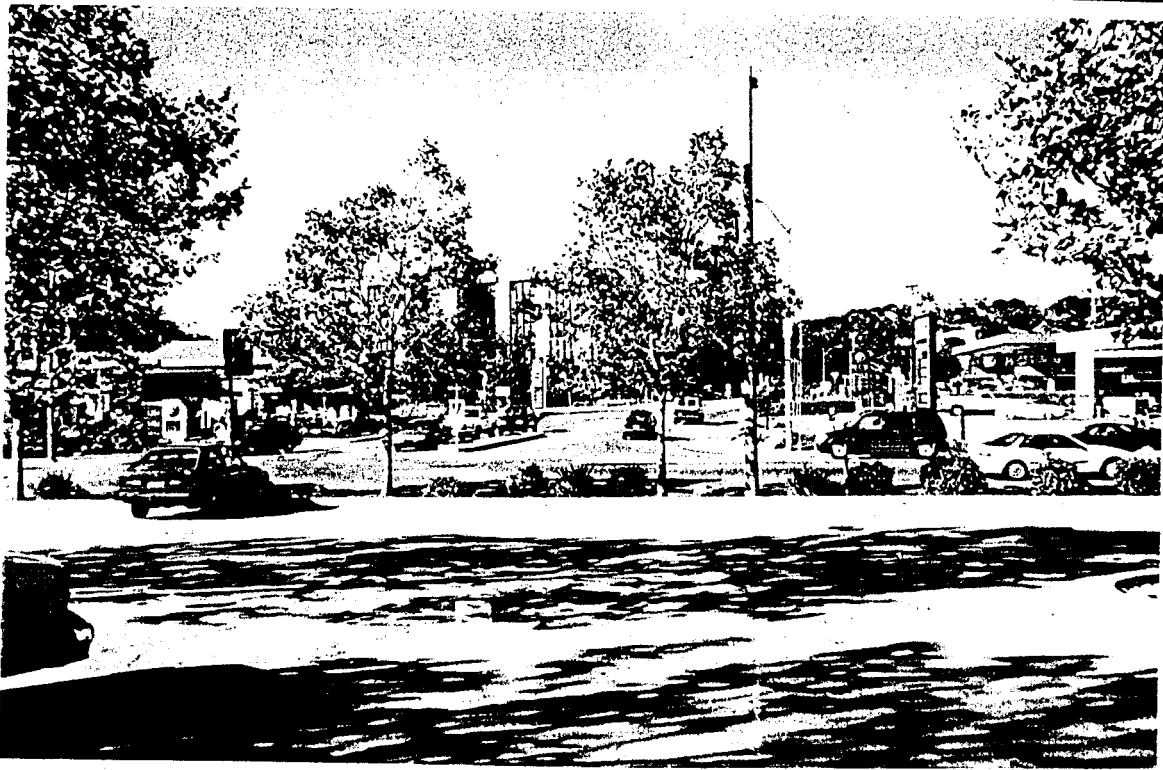
SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Standing on-site looking southeast. Northgate Mall is in background on right. Local foothills are visible in background on the left.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO# : 6



SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Standing at front of the site looking north. Local neighboring active gas stations are visible in background.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO #: 7



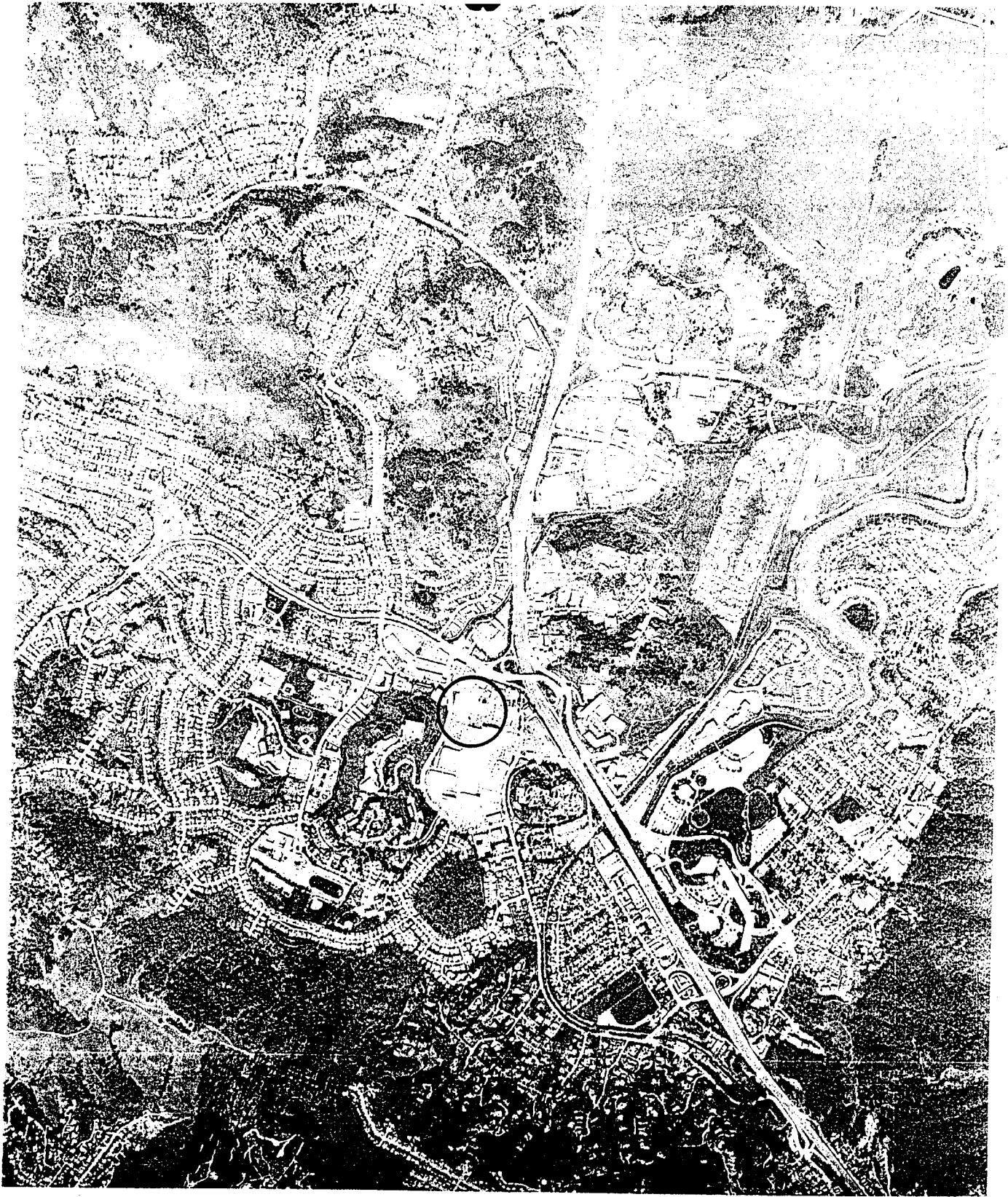
SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Abandoned gas station located approximately .25-miles from subject site.

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO #: 8



SITE: Northgate @ Las Galinas, San Rafael, CA

COMMENTS: Aerial Photograph

PROJECT#: SF075-050

DATE: July 18, 1998

PHOTO# : Aerial



March 23, 1999

Captain Bradley Mark
City of San Rafael Fire Department
Hazardous Materials Division
1039 C Street
San Rafael, CA 94901

Subject: Request for Closure
Sears, Roebuck and Co. Automotive Center No. 1528
9000 Northgate Mall
San Rafael, California

Dear Captain Mark:

IT Corporation (formerly Fluor Daniel GTI), on behalf of Sears, Roebuck and Co. (Sears), submits this information to substantiate no further action at the subject site. See attachment 1, figure 1 for the site location, figure 2 for a plot plan showing existing site features, figures 3 and 4 for soil analytical results and their respective locations. Analytical results are provided in attachment 2, and include tables 1, 2, and 3, with laboratory data. Analytical laboratory results are provided in attachment 3. The Underground Storage Tank Closure Review Form is provided in attachment 4, and waste removal documentation is provided in attachment 5.

Closure is requested on the basis of:

- Hydrocarbon source removal completed four years ago: several underground storage tanks (USTs) removed containing gasoline, used-oil, and motor oil. Product lines and fuel dispenser islands were removed between November 29, and December 1, 1994 as described in the *Dispenser Island and Product Line Removal Report* for Sears Store 1528, dated July 1, 1996 (Fluor Daniel GTI, 1996).
- Approximately 32 cubic yards of hydrocarbon-impacted, soil was removed from the site in May 1995.
- Original concentrations of compounds detected at a maximum depth of 4 feet below grade (bg).
- Highest concentrations of compounds originally reported in excavated soil removed from site.
- Impacted soil is within the upper 3 to 4 feet of the subsurface and attenuates with increased depths.

IT Corporation

757 Arnold Drive, Suite D
Martinez, CA 94553-6526
Tel. 925.370.3990
Fax. 925.370.3991

A Member of The IT Group

- Site remains covered with asphalt, which prevents surface infiltration and flushing of hydrocarbons in soil into groundwater.

Based on available site information, IT Corporation proposes that this site meets State Water Resources Control Board criteria for closure as low-risk. Site closure concurrence is therefore requested of the San Rafael Fire Department. Attached please find a UST closure request form (based on Environmental Protection Agency [EPA] format).

GEOLOGY AND HYDROGEOLOGY

According to the visual observations during excavation, soil types at the site consist primarily of 4 to 6 inches of gravels over a gravelly, moist clay mixture, to a depth of 4 feet, the maximum depth explored. IT Corporation encountered non-native sands in pipe trenches and immediately beneath fuel islands. Site-specific lithology cannot be determined as the maximum depth explored was 4 feet below grade. Groundwater was not encountered during excavation.

CLOSURE GOALS

In alignment with current State UST Reimbursement Fund policies, the goals of hydrocarbon remediation at this site include: 1) removal of the primary source of the hydrocarbon-impaction (USTs), removal of product lines, motor and used oil lines, and fuel dispensers. 2) overexcavation and removal of impacted soil to off-site facility for thermal treatment. 3) Delineation of plume migration.

Hydrocarbon Source Removal

Information provided by Sears indicates two USTs containing gasoline, one UST containing used-oil, an unknown number of motor oil USTs and the product dispensers were removed during demolition activity prior to 1994. The exact dates of the UST removal are not known. IT Corporation was not supplied with additional information relating to the UST removal and is not aware of any other subsurface investigations, current or other conducted at this site.

Demolition and removal of the dispenser islands and product lines took place between November 29, and December 1, 1994 (Fluor Daniel GTI, July 1996). The dispenser islands, gasoline product lines, vent lines, motor oil supply lines, and used-oil lines were removed by Norm Wilson and Sons, Inc., Paramount, California. Soil samples were collected beneath the dispenser islands, along the product

line trenches and lateral and vertical extent of the excavation to characterize the stockpiled soil for disposal under the direction of the San Rafael Fire Department (SRFD) in San Rafael California.

A total of 17 soil samples were collected from underneath the dispenser islands, gasoline product lines, vent lines, and the lateral and vertical extent of the excavation at depths of 2 to 4 feet beneath the piping on November 29, 1994. Soil samples collected were analyzed for:

- total petroleum hydrocarbons as gasoline, TPH-g; (EPA Method 8015 Modified)
- benzene, toluene, ethylbenzene, and total xylenes, BTEX; (EPA Method 8020)
- total lead, (EPA Method 6010)

Five soil samples were collected from underneath the used-oil lines, oil supply lines, and motor oil supply lines at 5 feet below the piping. The soil samples were analyzed for:

- total petroleum hydrocarbons as gasoline, TPH-g; (EPA Method 8015 Modified)
- total petroleum hydrocarbons as diesel, TPH-d; (EPA Method 8015 Modified)
- total recoverable petroleum hydrocarbons, TRPH; (EPA Method 418.1)
- volatile organic compounds, VOCs; (EPA Methods 8240)
- California Assessment Manual (CAM) for metals; (EPA 6000/7000 series analysis)

Concentrations of hydrocarbons were not detected in any of the soil samples from the dispenser island, product line and main trench areas. Concentrations of total lead were detected in 16 of the 17 soil samples from the dispenser island and product line and main trench areas, with a maximum of 11 milligrams per kilogram (mg/kg) total lead reported in sample number BTE-1/3 from fuel island B at 3 feet bg.

No concentrations of hydrocarbons or VOCs were reported in the samples collected from the dispenser Island area (table 1). Concentrations of TRPH were detected in three of the five soil samples from the motor and used oil product line areas, with a maximum of 19 mg/kg in sample WO-2/4, at 4 feet bg from the used oil supply line area. CAM metals results indicated maximum concentrations of 210 mg/kg for total chromium in sample NO-3/5 at 2 feet bg from the motor oil supply line area.

Reduction of Residual Hydrocarbons

Currently there are no open excavations or construction projects at the site that would expose soil containing hydrocarbons. The site is covered with asphalt and concrete and there does not appear to be any potential risk of exposing the public to soil containing hydrocarbons.

REQUEST FOR CLOSURE

In alignment with current SRFD policies, site closure is requested at this site. No additional work is planned at this site pending agency response to this request for closure.

Please contact Melissa Gossell at (925) 370-3990, extension 266 if you have questions or comments about this correspondence.

Sincerely,
IT CORPORATION
Submitted by:

IT CORPORATION
Approved by:

Kevin McIlvenna for I.C.M.
Kevin McIlvenna
Staff Environmental Scientist

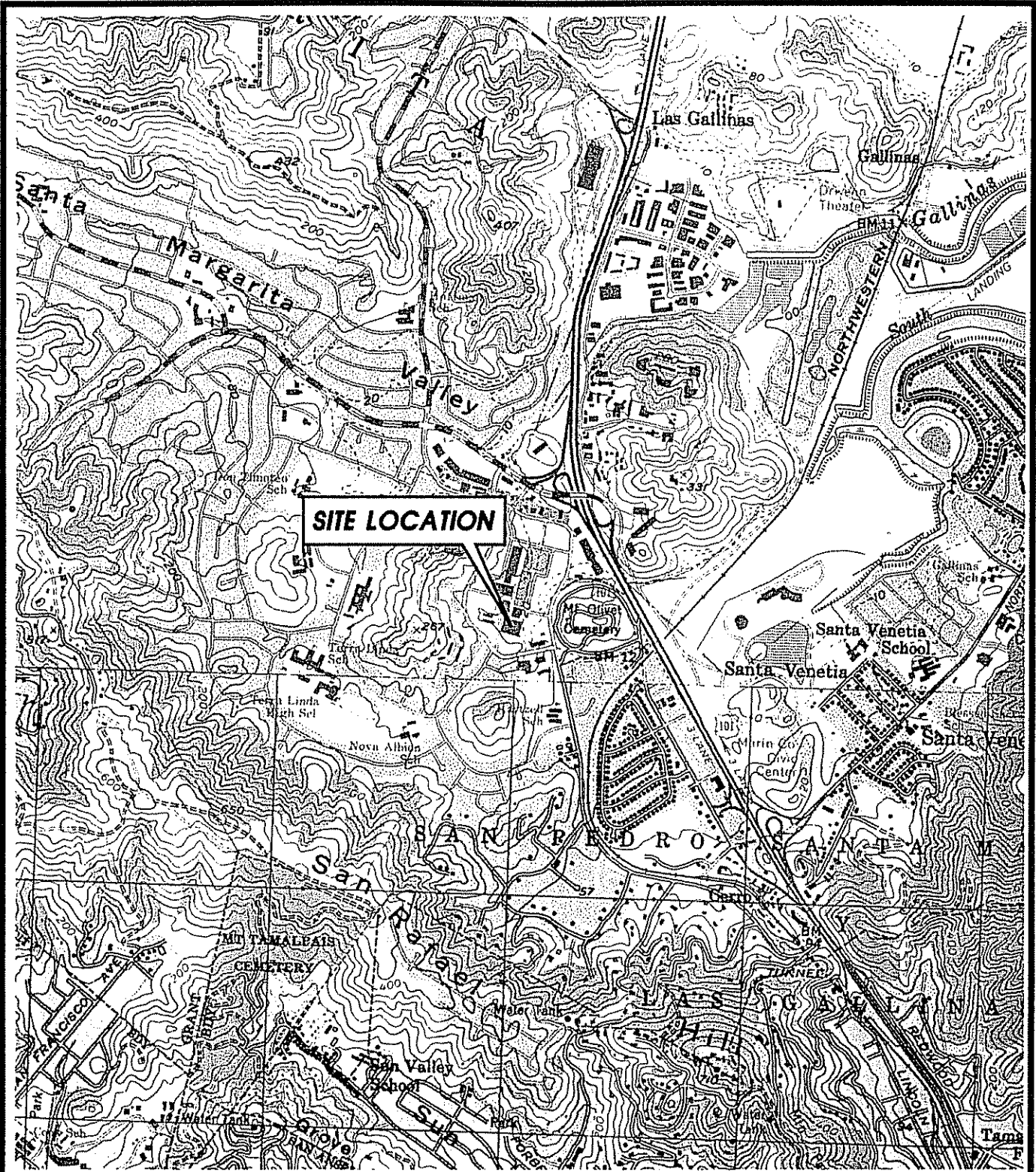
Melissa Gossell
Melissa Gossell, R.E.A.
West Zone Project Manager

c: Scott DeMuth, Sears
USA Petroleum File
Russ Zora, Central Files, Lenexa, KS
Project File

Attachments

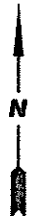
1. Figures
2. Data Tables
3. Analytical Laboratory Reports
4. Underground Storage Tank Closure Review Form
5. Waste Removal Documentation

Attachment 1
Figures



ITT CORPORATION

SOURCE: U.S.G.S. 7.5' QUAD SHEETS
NOVATO & SAN RAFAEL, CALIFORNIA
PHOTOREVISED 1980



SCALE:

0 FEET 2000

SITE LOCATION MAP

CLIENT:

SEARS ROEBUCK, & COMPANY
STORE NUMBER 1528

DATE:

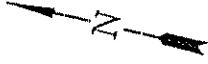
11/20/98

LOCATION:

9000 NORTHGATE MALL
SAN RAFAEL, CALIFORNIA

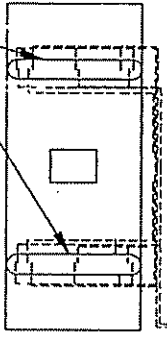
FIGURE:

1



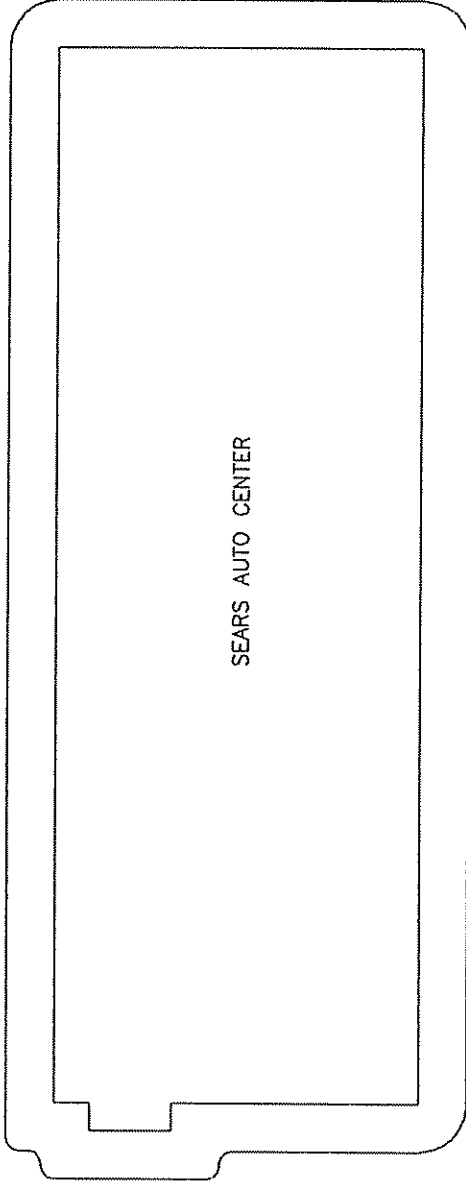
LOS RANCHITOS ROAD

FORMER
DISPENSER
ISLANDS



FORMER
UNDERGROUND
STORAGE TANKS

FORMER
USED OIL TANK
(APPROX. LOC.) []



SEARS AUTO CENTER

NOTE:

1. MAP ADAPTED FROM SITE PLAN, PARKIN ARCHITECTS,
ENGINEERS & PLANNERS, 05/17/71.



FLUOR DANIEL GTI

0025SM (1:480) PROJECT NO.: 020200025

REV.:

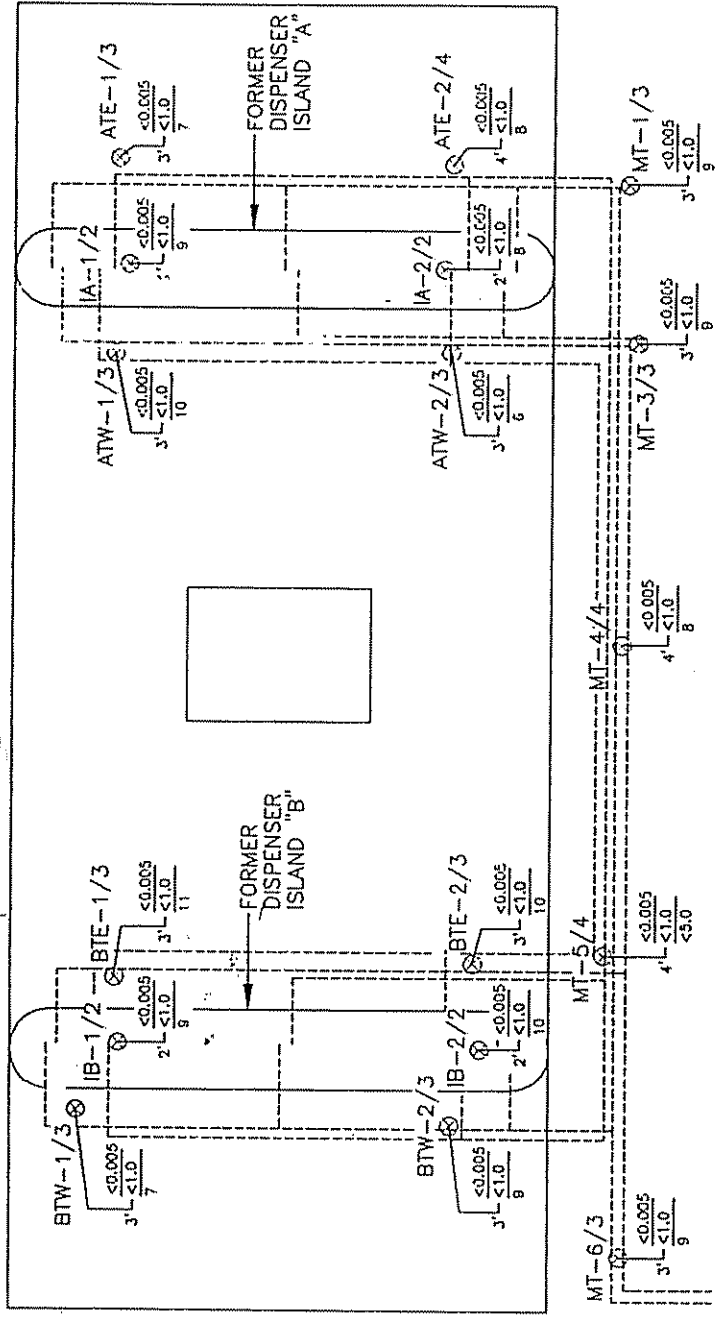
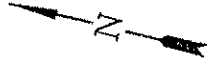
CLIENT:
SEARS MERCHANDISE GROUP
STORE No. 1528

LOCATION:
9000 NORTHGATE MALL
SAN RAFAEL, CA

DES.: PM DET.: PJWH DATE: 12/20/94

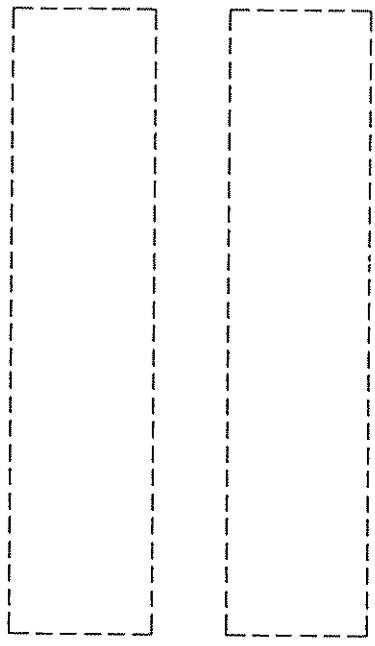
SITE PLAN

PM: PE/RG: FIGURE: **2**



EXPLANATION

- ⊗ SOIL SAMPLE LOCATION
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 10</math> BENZENE (mg/kg)
TPH AS GASOLINE (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 4</math> TOTAL LEAD (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 4</math> BENZENE DETECTION LIMIT (mg/kg)
TPH AS GASOLINE DETECTION LIMIT (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 4</math> TOTAL LEAD DETECTION LIMIT (mg/kg)

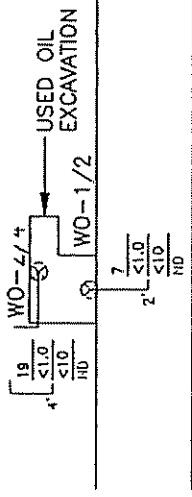
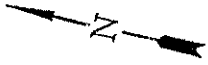


FORMER UNDERGROUND STORAGE TANKS

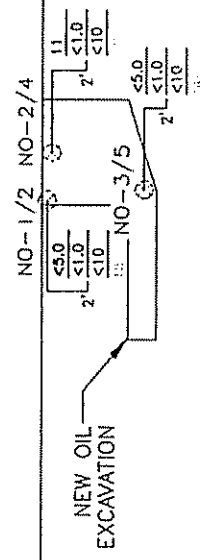
NOTE:
1. SAMPLE LOCATIONS PER FIELD MEASUREMENTS, GTI, 12/94.

SAMPLED ON: 11/30/94 AND 12/01/94

		SOIL ANALYTICAL RESULTS AT FORMER DISPENSER ISLANDS	
CLIENT: SEARS MERCHANDISE GROUP STORE No. 1528		PE/RG:	
LOCATION: 9000 NORTHGATE MALL SAN RAFAEL, CA		FIGURE: 3	
DES.: JM	DET.: CCG	DATE: 06/04/96	
PROJECT NO.: 020200146		PM:	
REV.:			



SEARS AUTO CENTER



EXPLANATION

SOIL SAMPLE LOCATION

- 7 | <1.0 | TRPH (mg/kg)
- 2 | <1.0 | TPH AS GASOLINE (mg/kg)
- 11 | <1.0 | TPH AS DIESEL (mg/kg)
- 11 | <1.0 | VOLITILE ORGANICS (mg/kg)
- 2 | <5.0 | TRPH DETECTION LIMIT (mg/kg)
- 2 | <1.0 | TPH AS GASOLINE DETECTION LIMIT (mg/kg)
- 11 | <1.0 | TPH AS DIESEL DETECTION LIMIT (mg/kg)
- 11 | <1.0 | VOLITILE ORGANICS DETECTION LIMIT (mg/kg)

SAMPLED ON: 11/30/94

NOTE:
1. SAMPLE LOCATIONS PER FIELD MEASUREMENTS, 6/11/94.



FLUOR DANIEL GTI

PROJECT NO.: 020200146

CLIENT: SEARS MERCHANDISE GROUP
STORE No. 1528

LOCATION: 9000 NORTHGATE MALL
SAN RAFAEL, CA

DES.: JM
DET.: CCG
DATE: 06/04/96

**SOIL ANALYTICAL RESULTS
AT FORMER NEW AND USED OIL USTs**

PM: PE/RG: FIGURE: **4**

REV.:

Attachment 2

Data Tables

TABLE 1
Former Dispenser Island Soil Analytical Results
Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Gasoline Dispenser Island Samples							
Samples	Date	TPH-g	B	T	E	X	Total Lead
Island A soil samples							
IA-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IA-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	7
ATE-2/4	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	10
ATW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	6
Island B Soil Samples							
IB-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IB-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	11
BTE-2/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	7
BTW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
Main Trench Soil Samples							
MT-3/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-4/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	8
MT-5/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	<5
MT-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-6/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Total lead analyzed using EPA Method 6010

TPH-g = total petroleum hydrocarbons as gasoline, B = benzene, T = toluene, E = ethylbenzene, X = total xylenes; analyzed using EPA Method 8020
 < Number = below reported detection limits

TABLE 2
Former Motor and Used Oil Product Line Soil Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Samples	Date	TRPH	TPH-g	TPH-d	Volatile Organics
Used Oil Supply Line Soil Samples					
WO-1/2	11/30/94	7	<1	<10	ND
WO-2/4	11/30/94	19	<1	<10	ND
Motor Oil Supply Line Soil Samples					
NO-1/2	11/30/94	<5	<1	<10	ND
NO-2/4	11/30/94	11	<1	<10	ND
NO-3/5	11/30/94	<5	<10	<10	ND

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Volatile organics analyzed using EPA Method 8240A

TRPH = total recoverable petroleum hydrocarbons; analyzed using EPA Method 3550/418.1
 TPH-g = total petroleum hydrocarbon as gasoline, B = benzene, T = toluene, E = ethylbenzene,
 x = total
 TPH-d = total petroleum hydrocarbons as diesel; analyzed using EPA Method Modified 8015
 <Number = below reported detection limits
 ND = not detected

TABLE 3
Former Motor and Used Oil Product Line Soil CAM Metal Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, 1994

Motor Oil/Oil Supply Samples						
Analyte	Date	WO-1/2	WO-2/4	NO-1/2	NO-2/4	NO-3/5
Antimony	11/30/94	<5	<5	<5	<5	<5
Arsenic	11/30/94	5.5	2.5	4.0	9.3	7.5
Barium	11/30/94	150	55	100	130	170
Beryllium	11/30/94	0.6	<0.5	<0.5	<0.5	0.6
Cadmium	11/30/94	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	11/30/94	30	38	92	68	210
Cobalt	11/30/94	9	8	19	16	21
Copper	11/30/94	28	11	17	47	35
Lead	11/30/94	8	<5	6	6	8
Mercury	11/30/94	<0.1	<0.1	<0.1	0.1	0.1
Molybdenum	11/30/94	1	<1	<1	1	1
Nickel	11/30/94	41	59	100	110	180
Selenium	11/30/94	<5	<5	<5	<5	<5
Silver	11/30/94	<1	<1	<1	<1	<1
Thallium	11/30/94	<5	<5	<5	<5	<5
Vanadium	11/30/94	32	22	44	44	46
Zinc	11/30/94	58	34	35	69	70

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Analyzed using EPA Methods 6010, 7060, and 7470

<Number = Below reported detection limit

Attachment 3
Analytical Laboratory Reports



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Western Region

4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael, CA

Work Order Number: C4-11-0454

December 6, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/30/94, under chain of custody records 30200 and 33586.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

for

Rashmi Shah
Laboratory Director

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	7	110	19	<5
Detection Limit Multiplier		1	2.5	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number	12	13	14	120194 TPH
Client Identification	NO-2/4	NO-C	NO-3/5	METHOD BLANK
Date Sampled	11/30/94	11/30/94	11/30/94	--
Date Prepared	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Total Petroleum Hydrocarbons	5	11	26	<5
Detection Limit Multiplier		1	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

- a. O-Terphenyl surrogate recovery acceptability limits are 50-150%. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.

GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4110454-01	C4110454-02	C4110454-03	C4110454-04
Client ID	ATW-1/3	ATW-2/3	BTW-1/3	BTW-2/3
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	96.9	86.5	66.2	85.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:1



GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4110454-05	C4110454-06	C4110454-07	--
Client ID	MT-3/3	MT-4/4	MT-5/4	--
Date Sampled	11/30/94	11/30/94	11/30/94	--
Date Analyzed	11/30/94	11/30/94	11/30/94	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	--
BFB (Surrogate)	--	%	82.6	88.9	66.7	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:2



GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-08	C4110454-09	C4110454-10	C4110454-11
Client ID	WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (surrogate)	--	%	88.9	87.9	93.3	82.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. - Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:1



GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-12	C4110454-13	C4110454-14	--
Client ID	NO-2/4	NO/C	NO-3/5	--
Date Sampled	11/30/94	11/30/94	11/30/94	--
Date Analyzed	12/01/94	12/01/94	12/01/94	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	--
BFB (surrogate)	--	%	85.0	90.6	87.9	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. - Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:2



GTEL Client ID: 020200025
Login Number: C4110454
Project ID (number): 020200025
Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Solids

Method Blank Results

QC Batch No: A113094-1
Date Analyzed: 30-NOV-94

Analyte	Method: EPA 8020	Concentration: mg/kg
Benzene	< 0.0050	
Toluene	< 0.0050	
Ethylbenzene	< 0.0050	
Xylenes (Total)	< 0.015	
TPH as Gasoline	< 1.0	

Notes:



4000 MIKE DRIVE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

Company Name: **GTEL** Phone #566 G-71-2387
 Company Address: **4657 Port Chicasa laboratory** FAX #: 510 685 9148
 Site Location: **9000 Northgate San Rafael CA**
 Project Manager: **Eileen Burman** Client Project ID: (#) **02-200025**
 (NAME) **Sam 1528** (Date) **02.01.05**
 Sampler Name (Print): **Terry James**

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling		
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	DATE
N03/4	12	1										11/30	12:45
N0/C	13	1										12:50	12:50
N03/5	14	1										12:55	12:55

TAT Special Handling
 Priority (24 hr) GTEL Contact _____
 Expedited (48 hr) Quota/Contract # _____
 Business Days Confirmation # _____
 Other P O # _____
 Business Days

QA/QC Level
 Blue CLPT Other ()

SPECIAL DETECTION LIMITS
 CORRECTIONS OK
 SIGN
 date (X)

SPECIAL REPORTING REQUIREMENTS
 FAX

CUSTODY RECORD

Relinquished by Sampler: *[Signature]*
 Relinquished by: *Ben Webb*
 Relinquished by: _____

Date: 11/30/04 15:20
 Date: 11/30/04 13:00

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>	EPA 601 <input type="checkbox"/> EPA 8010 <input type="checkbox"/>	EPA 608 <input type="checkbox"/> EPA 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>	EPA 624/PPL <input type="checkbox"/> 8240/TAL <input checked="" type="checkbox"/> NBS (+15) <input type="checkbox"/>	EPA 625/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25) <input type="checkbox"/>	EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>	EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <input type="checkbox"/>	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-VOA <input type="checkbox"/> Pest <input type="checkbox"/> Herb <input type="checkbox"/>	EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>	CAM Metals TLTC <input checked="" type="checkbox"/> STLC <input type="checkbox"/>	Lead 239 2 <input type="checkbox"/> 200 7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010 <input type="checkbox"/>	Organic Lead <input type="checkbox"/>	Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>	<i>Other</i>
--	--	--	--	---	--	--	---	---	---	--	---------------------------------------	---	--------------

REMARKS: ~~ATKINS SUBMITTAL~~ NO VOC AT TAT
 TPH-G 8015 modified
 BTX 8020
 A-10/E

Lab Use Only Lot #: _____
 Storage Location: _____
 Work Order #: **C4110454 2 OF 2**

Received by: *Ben Webb*
 Received by: _____
 Received by Laboratory: _____
 Waybill # _____

33581



4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

30200

Company Name:

Phone #: (707) 671-2387

GROUND WATER TECHNOLOGY
1 Site Location: 9001 Northgate Mall
40-407 Port Chicago Hwy Concord San Rafael
Project Manager: Eileen Brennan
Client Project ID: (#) 02020 0025 '08/19

I attest that the proper field sampling procedures were used during the collection of these samples.

(NAME) SEARS 152B
Sampler Name (Print): TERRY JAMES

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix			Method Preserved			Sampling							
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	UNPRE SERVED	OTHER (Specify)	DATE	TIME
ATW-1/3	01	1	X						X						10:41	
ATW-2/3	02	1	X						X						10:59	
BTE-1/3	03	1	X						X						11:05	
BTE-2/3	04	1	X						X						11:09	
MT-3/3	05	1	X						X						11:18	
MT-4/4	06	1	X						X						11:27	
MT-5/4	07	1	X						X						11:37	
WO-1/2	08	1	X						X						12:15	
WO-C	09	1	X						X						12:20	
WO-2/4	10	1	X						X						12:30	
WO-1/2	11	1	X						X						12:40	

REMARKS: BTEX & TPH-61 on 2/19/94 TAT
LEAD SID for new round
NOVOC
M 30.0

TPH-6 0015 modified/BTEX 0020
Lab Use Only Lot #: C4110454
Storage Location

SPECIAL REPORTING REQUIREMENTS	SPECIAL DETECTION LIMITS	
	DATE	TIME
Relinquished by Sampler: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]	11/30/94	13:00
	11/30/94	15:20
	11/30/94	15:20

Work Order #: C4110454
Received by: John Weber
Received by Laboratory: [Signature]
Waybill #: [Signature]

CUSTODY RECORD



Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

1528 Sem Rafael

12/1/94
gas islands = all ND
BTEX/gas

December 2, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 S. Temple #321
Salt Lake City, UT 84111

RE: GTEL Client ID: 020200025
Login Number: C4120017
Project ID (number): 020200025
Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

Dear Eileen Brennan:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 12/01/94 under Chain-of-Custody Number(s) 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the Department of Health Service under Certification Number E1075.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Edum Poalulu
Co,

Rashmi Shah
Laboratory Director

GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-01	C4120017-02	C4120017-03	C4120017-04
Client ID	MT 1/3	MT 6/3	IA 1/2	IA 2/2
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	89.3	89.0	84.9	91.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:1



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-05	C4120017-06	C4120017-07	C4120017-08
Client ID	IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	72.1	62.9	82.4	83.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:2



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-09	C4120017-10	--	--
Client ID	ATE 1/3	ATE 2/4	--	--
Date Sampled	12/01/94	12/01/94	--	--
Date Analyzed	12/02/94	12/01/94	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting		Concentration:Wet Weight		
	Limit	Units			
Benzene	0.005	mg/kg	< 0.005	< 0.005	--
Toluene	0.005	mg/kg	< 0.005	< 0.005	--
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	--
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	--
BFB (Surrogate)	--	%	90.5	84.1	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:3





4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

33582

Company Name: Groundwater Tech
 Company Address: 4957 Port Chicago Hwy
Ever Bremen
 Project Manager: San Rafael
 Client Project ID: (#) 02020005
 (NAME) Sears 1528
 Sampler Name (Print): Terry James

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTel Lab # (Lab Use only)	# CONTAINERS	Matrix					Method Preserved					Sampling			
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	UNPRE. SERVED	OTHER (Specify)	DATE	TIME
MT1/3	01	1	X								X				12/1/94	10:45
MT6/3	02	1														10:55
IA1/2	03	1														11:05
IA2/2	04	1														11:10
IA1/2	05	1														11:20
IA2/2	06	1														11:20
BT1/3	07	1														10:05
BT2/3	08	1														10:15
AT1/3	09	1														10:30
AT2/4	10	1														10:40

TAT Priority (24 hr)
 Expedited (48 hr)
 7 Business Days
 Other

Special Handling
 GTel Contact _____
 Quote/Contract # _____
 Confirmation # _____
 P.O. # _____

QA/QC Level
 Blue CLP Other

Relinquished by Sampler: Terry James
 Relinquished by: Joe Weber
 Relinquished by: _____

Received by: Joe Weber
 Received by: _____
 Received by Laboratory: _____
 Waybill # 33582

ANALYSIS REQUEST	OTHER
BTEX 602 <input type="checkbox"/> 8020 with MTBE <input type="checkbox"/>	
BTEX/Gas Hydrocarbons PID/FID with MTBE <input type="checkbox"/>	
Hydrocarbons GC/FID Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Screen <input type="checkbox"/>	
Hydrocarbon Profile (SIMDIS) <input type="checkbox"/>	
Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM-503 <input type="checkbox"/>	
TPH/IR 418.1 <input type="checkbox"/> SM 503 <input type="checkbox"/>	
EOD by 504 <input type="checkbox"/> DBCP by 504 <input type="checkbox"/>	
EPA 503.1 <input type="checkbox"/> EPA 502.2 <input type="checkbox"/>	
EPA 601 <input type="checkbox"/> EPA 8010 <input type="checkbox"/>	
EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>	
EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>	
EPA 624/PPL <input type="checkbox"/> 8240/TAL <input type="checkbox"/> NBS (+15) <input type="checkbox"/>	
EPA 625/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25) <input type="checkbox"/>	
EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>	
EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <input type="checkbox"/>	
TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-VOA <input type="checkbox"/> Pest <input type="checkbox"/> Herb <input type="checkbox"/>	
EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>	
CAM Metals TLIC <input type="checkbox"/> STLC <input type="checkbox"/>	
Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010 <input type="checkbox"/>	
Organic Lead <input type="checkbox"/>	
Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>	

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

Lab Use Only Lot #: C4120018
 Storage Location

Work Order #: C4120017-24 NR

REMARKS: BTEX/TPH-6-2015 Modified
8020 24hr TAT
Level 5id.

JUST



Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael
Work Order Number: C4-12-0018

12/16/94

total Pb

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

A handwritten signature in cursive script, appearing to read 'Rashmi Shah', with the word 'for' written below it.

Rashmi Shah
Laboratory Director

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael
 Work Order Number: C4-12-0018

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		MT 1/3	MT 6/3	IA 1/2	IA 2/2
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	9	9	8
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05	06	07	08
Client Identification		IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	10	11	10
Detection Limit Multiplier		1	1	1	1

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael
 Work Order Number: C4-12-0018

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		09	10	120294 MET	
Client Identification		ATE 1/3	ATE 2/4	METHOD BLANK	
Date Sampled		12/01/94	12/01/94	--	
Date Prepared		12/02/94	12/02/94	12/02/94	
Date Analyzed		12/06/94	12/06/94	12/06/94	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	7	8	<5	
Detection Limit Multiplier		1	1	1	



4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

33582

Company Name: Groundwater Tech
Company Address: 4057 Fort Chicago Hwy
Project Manager: Erin Brennan
Phone #: 510 671-2387
FAX #: 510 685-9148
Site Location: 9000 Northgate
Client Project ID: (#) 02020025

(NAME) Jerry James
Sampler Name (Print): Terry James

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling				
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	UNPRESERVED	OTHER (Specify)	DATE
MT1/3	01	1	X								X			12/1/94	10:45
MT6/3	02														10:55
IA1/2	03														11:05
IA2/2	04														11:10
IB1/2	05														11:20
IB2/2	06														11:30
BE1/3	07														10:05
BE2/3	08														10:15
AE1/3	09														10:30
AE2/4	10														10:40

TAT
 Priority (24 hr)
 Expedited (48 hr)
 7 Business Days
 Other

Special Handling
 GTEL Contact
 Quote/Contract #
 Confirmation #
 P.O. #

QA/QC Level
 Blue
 CLP
 Other

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS
 FAX

REMARKS: BE1/TPH-6 - 8015 Modified
BE 8020 24hr TAT
Leant Side

Lab Use Only Lot #: C4120018 - Storage Location

Work Order #: C4120017 - 24 hr

Relinquished by Sampler: Jerry James
 Relinquished by: Jerry James
 Relinquished by: Jerry James

Date Time
 12/1/94 13:05
 Received by: Jerry James

Date Time
 12/1/94 14:10
 Received by: Jerry James

Date Time
 12/1/94 14:10
 Received by Laboratory:
 Waybill # 33582

CUSTODY RECORD

ANALYSIS REQUEST

ANALYSIS REQUEST	OTHER
BTEX/Gas Hydrocarbons PID/FID with MTBE <input type="checkbox"/>	
BTEX 602 <input type="checkbox"/> 8020 <input type="checkbox"/> with MTBE <input type="checkbox"/>	
Hydrocarbons GC/FID Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Screen <input type="checkbox"/>	
Hydrocarbon Profile (SIMDIS) <input type="checkbox"/>	
Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM-503 <input type="checkbox"/>	
TPH/IR 418.1 <input type="checkbox"/> SM 503 <input type="checkbox"/>	
EDB by 504 <input type="checkbox"/> DBCP by 504 <input type="checkbox"/>	
EPA 503.1 <input type="checkbox"/> EPA 502.2 <input type="checkbox"/>	
EPA 601 <input type="checkbox"/> EPA 8010 <input type="checkbox"/>	
EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>	
EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>	
EPA 624/PPL <input type="checkbox"/> 8240/TAL <input type="checkbox"/> NBS (+15) <input type="checkbox"/>	
EPA 625/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25) <input type="checkbox"/>	
EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>	
EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <input type="checkbox"/>	
TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-VOA <input type="checkbox"/> Pest <input type="checkbox"/> Herb <input type="checkbox"/>	
EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>	
CAM Metals TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	
Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010 <input type="checkbox"/>	
Organic Lead <input type="checkbox"/>	
Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>	



Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 020200025
Project ID: Sears #1528
Northgate Mall San Rafael
Work Order Number: C4-12-0011

12/16/94

8240 - NDs
CAM + total Pb

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	--
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10			
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5			
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		-			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5			
2-Chloroethylvinyl ether	10	<10			
Bromoform	5	<5			
4-Methyl-2-pentanone	20	<20			
2-Hexanone	20	<20			
Tetrachloroethene	5	<5			
1,1,2,2-Tetrachloroethane	5	<5			
Toluene	5	<5			
Chlorobenzene	5	<5			
Ethylbenzene	5	<5			
Styrene	5	<5			
1,2-Dichlorobenzene	10	<10			
1,3-Dichlorobenzene	10	<10			
1,4-Dichlorobenzene	10	<10			
Xylene, total	10	<10			
Trichlorofluoromethane	5	<5			
Detection Limit Multiplier		1			
DCE surrogate, % recovery		105			
TOL surrogate, % recovery		113			
BFB surrogate, % recovery		96.2			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number	08	09	10	11		
Client Identification	WO-1/2	WO-C	WO-2/4	NO-1/2		
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94		
Date Prepared (Method 3055 ^b)	12/07/94	12/07/94	12/07/94	12/07/94		
Date Analyzed (Method 6010)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Analyzed (Method 7060)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Prepared and Analyzed (Method 7470)	12/07/94	12/07/94	12/07/94	12/07/94		
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010 ^c	1	150	180	55	100
Beryllium	EPA 6010 ^c	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	30	62	38	92
Cobalt	EPA 6010 ^c	1	9	15	8	19
Copper	EPA 6010 ^c	1	28	27	11	17
Lead	EPA 6010 ^c	5	8	9	<5	6
Mercury	EPA 7470 ^e	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	1	<1	<1
Nickel	EPA 6010 ^c	2	41	90	59	100
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	32	35	22	44
Zinc	EPA 6010 ^c	5	58	56	34	35
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number		12	13	14	120794 MET	
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK	
Date Sampled		11/30/94	11/30/94	11/30/94	--	
Date Prepared (Method 3055 ^b)		12/07/94	12/07/94	12/07/94	12/07/94	
Date Analyzed (Method 6010)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Analyzed (Method 7060)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Prepared and Analyzed (Method 7470)		12/07/94	12/07/94	12/07/94	12/07/94	
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg.			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5
Barium	EPA 6010 ^c	1	130	120	170	<1
Beryllium	EPA 6010 ^c	0.5	<0.5	<0.5	0.6	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	68	51	210	<1
Cobalt	EPA 6010 ^c	1	16	11	21	<1
Copper	EPA 6010 ^c	1	47	42	35	<1
Lead	EPA 6010 ^c	5	6	6	8	<5
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	<1	1	<1
Nickel	EPA 6010 ^c	2	110	85	180	<2
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	44	40	46	<1
Zinc	EPA 6010 ^c	5	69	80	70	<5
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	2	03	04
Client Identification		ATW-1/3	ATW-2/3	BTE-1/3	BTE-2/3
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	10	6	7	9
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05	06	07	120294 MET
Client Identification		MT-3/3	MT-4/4	MT-5/4	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	--
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	8	<5	<5
Detection Limit Multiplier		1	1	1	1

1000 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 686-7852
(800) 428-7143

Phone #:

Address: **Salt Lake City**

FAX #:

Site Location: **Northgate Mall**

Client Project ID: **San Rafael**

Analyst: **Samuel Segars**

Sampler Name (Print): **Sam Rafael**

Sampler Name (Print): **Terry James**

Method Preserved

Matrix

Containers

Water

Soil

Air

Sludge

Other

MSD

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Member:

Samuel Segars

Lab # (Lab Use only)

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Field Sample ID

NO 2/4

NO 1/C

NO 2/5

Method Preserved

MSD

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Sludge

Attachment 4

Underground Storage Tank Closure Review Form

**UNDERGROUND STORAGE TANK
CLOSURE REVIEW FORM**

Date: 10/1/98	LUSTIS file no.:	Case reviewer:	
Site Name/Address: Sears No. 1528 9000 Northgate Mall Road San Rafael, CA	Responsible parties: Sears Roebuck & Co	Address: c/o 3333 Beverly Rd. Hoffman Estates, IL 60179	Phone no.: 847-286-5530

CASE INFORMATION (N/A = Not Applicable)

Tank No.	Size in Gallons	Contents	Closed in-place/Removed?	Date
Tanks 1,2	Unknown	Gasoline	Removed	Prior to 1994
Tank 3	Unknown	Used Oil	Removed	Prior to 1994
Unknown	Unknown	Motor Oil	Removed	Prior to 1994

IV. SITE CHARACTERIZATION INFORMATION (GW = groundwater)

GW basin: Marin County	Beneficial uses: N/A	Depth to drinking water aquifer: Unknown	
Distance to nearest municipal supply well: Unknown		Distance between known shallow GW contamination and aquifer: N/A	
Site GW highest depth: N/A	Site GW lowest depth: N/A	Shallow water-bearing zone well screen interval: N/A	Flow direction: N/A
Soil Type: mainly silts, sands & clays (low-permeability)		Maximum depth sampled: 6 feet	

III. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - Initial and Latest --- = Not Reported, ND = Non-detect

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Initial (1994)	Latest	---	---		Initial (1994)	Latest	Initial (Year)	Latest (Year)
TPH-g	<1 (12/94)	---	---	---	Xylene	<0.005 (11/94)	---	---	---
VOC/8240	N/D	---	---	---	Total Lead	11	---	---	---
Benzene	<0.005 (11/94)	---	---	---	TRPH	19 (11/94)	---	---	---
Toluene	<0.005 (11/94)	---	---	---	TPH-d	<10	---	---	---
Ethylbenzene	<0.005 (11/94)	---	---	---					

V. SOIL REMEDIATION

Method: UST removal (date unknown) intrinsic biodegradation 1994 - 1998	Duration of remediation: Indefinite
---	-------------------------------------

VI. GROUNDWATER REMEDIATION

Method: N/A	Duration of remediation: N/A
-------------	------------------------------

VI. FREE PRODUCT:

Was free product encountered? No	Has free product been totally recovered? N/A
When was free product recovery project completed? N/A	

VII. RECOMMENDED ACTION:

Soil closure only: Not applicable	Case Closure: Yes	Solvent Case? No
Additional Action Required (i.e.: additional site assessment, remediation, monitoring): None		

VIII. JUSTIFICATION FOR RECOMMENDED ACTION:

1) Source removed by UST removal (prior to 1994), product line and impacted soil removal May 1995.	2) No phase-separated liquid hydrocarbons.
3) No waste oil storage at site since at least 1994, impacted soil at site not in communication w/drinking water or public contact.	
5) Ongoing biodegradation/attenuation in soil, likely to continue. 6) Asphalt cap prevents surface infiltration and flushing of hydrocarbons in soil into groundwater.	

Attachment 5
Waste Removal Documentation

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO.

1. NAME: Sears Roebuck & Company Store # 1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~200~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE #: (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID NO. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (COMMON name by which waste is referred):
Stockpiled Soil Containing Petroleum Hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: Gasoline Diesel Fuel Jet Fuel Fuel Oil # _____
 Waste Oil Other _____
12. Is the waste hazardous under FEDERAL REGULATIONS? YES NO
If yes, is the waste LISTED or CHARACTERISTIC?
N/A
What is the EPA HAZARDOUS WASTE NUMBER? _____
13. Is the waste hazardous under STATE REGULATIONS? YES NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

[Handwritten initials]

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TOSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? two (?)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YEAR
23. What volume of waste is currently stockpiled, if any? 2 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) 2 yards

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnert
29. PHONE NO. (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (If Applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner
33. PHONE NO. 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

TITLE: Manager Environmental Engineering

Bernadine Palka
 (Signature)

DATE: 31 May 95

15225 (9)
 117



830 N. Miller Road
Buickway, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 98

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 98

1528(9)
BOP



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-8600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants Gasoline

GENERATOR: Sears Roebuck & Company STORE # 1528

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

BAP
152869

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO. _____

1. NAME: Sears Roebuck & Company Store #1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~2~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE #: (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID No. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (COMMON name by which waste is referred):
Stockpiled soil containing petroleum hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: () Gasoline! () Diesel Fuel! () Jet Fuel! () Fuel Oil # _____
(X) Waste Oil (X) Other Used Oil
12. Is the waste hazardous under FEDERAL REGULATIONS? () YES (X) NO
If yes, is the waste () LISTED or () CHARACTERISTIC?
N/A
What is the EPA HAZARDOUS WASTE NUMBER? _____
13. Is the waste hazardous under STATE REGULATIONS? () YES (X) NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

[Handwritten Signature]

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TOSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? thirty-two (32)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YR
23. What volume of waste is currently stockpiled, if any? 32 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) _____

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnert 29. PHONE NO.: (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (if applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner 33. PHONE NO. 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

TITLE: Manager Environmental Engineering

Bernadine A. Palka
 (Signature)

DATE: 31 May 95

152860



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6600
FAX 602-386-9300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE #1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants used oil/virgin oil

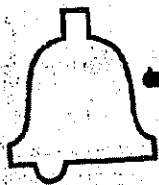
GENERATOR: Sears Roebuck & Company STORE # 1528

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)

CITY OF



San Rafael

Mayor
Albert J. Boro

Council Members
Paul M. Cohen
Barbara Heller
Cyr N. Miller
Gary D. Phillips

Fire Chief
Robert E. Marcucci

November 2, 1999

Ms. Melissa Gossell
IT Corporation
757 Arnold Drive, Suite D
Martinez, CA 94553-6526

Re: Request for Site Closure; Sears, Roebuck and Co. #1528, 9000 Northgate Mall,
San Rafael

Dear Ms. Gossell:

This department has received your request for site closure at the above referenced location. To adequately assess your site and complete our review, we are requesting submittal of the following missing documentation:

- Laboratory analytical reports of all soil sampling performed in conjunction with the Underground Storage Tank excavations by Blaine Tech Services on March 7, 1985. (IT Stoner Laboratory Nos. 26326, 26327 and 26328);
- Laboratory analytical reports for aerated soil stockpile samples collected by Blaine Tech Services on March 25, 1985.
- Documentation of the 1987 removal of one 1,000-gallon waste oil underground storage tank and two 530-gallon bulk oil underground storage tanks.
- Laboratory analytical reports for underground storage tank closure samples collected in 1987.
- Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to the Remat thermal processing facility in Buckeye, Arizona in 1995.

As your company seems to be acting as the responsible party for this site at this time, enclosed please find Deed Notification forms which must be completed and returned to this Department before we can continue with the site assessment.

Ms. Melissa Gossell

Page 2

Following the Regional Water Quality Control Board and legislative directives, this Department will require a boring to obtain a soil and water sample for MTBE testing.

In addition, a Sensitive Receptor Review report will be needed prior to completing a site closure.

Should you have any questions, please call me at (415) 485-3308.

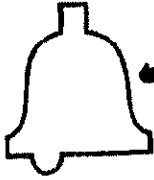
Sincerely,



BRADLEY R. MARK
Hazardous Materials Coordinator

BRM:db

CITY OF

*San Rafael***Mayor**
*Albert J. Boro***Council Members**
Paul M. Cohen
Barbara Heller
Cyr N. Miller
*Gary D. Phillips***Fire Chief**
Robert E. Marcucci

November 2, 1999

Ms. Melissa Gossell
IT Corporation
757 Arnold Drive, Suite D
Martinez, CA 94553-6526

Re: New Landowner Notification and Participation Requirements for Sears, Roebuck & Co. #1528,
9000 Northgate Mall, San Rafael

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal; 2) a site closure proposal; 3) a local agency intention to make a determination that no further action is required; and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed list of landowners form (sample letter 2) to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan);
- 2) consider a site closure proposal;
- 3) make a determination that no further action is required;
- 4) issue a closure letter.

Fire Department Offices: 1039 C Street, San Rafael, CA 94901
Administration: (415) 485-3304 Fire Prevention: (415) 485-3308
Fax: (415) 453-1627

Page 2

You may use the enclosed notice of proposed action form (sample letter 3) to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Sincerely,



BRADLEY R. MARK
Deputy Fire Marshal

BRM:db

BRM\siteclosures\new I.o. not&partreqs-9000 Northgate.doc

November 2, 1999

San Rafael Fire Department
1039 'C' Street
San Rafael, CA 94901

RE: Notice of Proposed Action Submitted to Local Agency for Sears, Roebuck & Co. #1528,
9000 Northgate Mall, San Rafael

In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I,
_____, (name of primary responsible party) certify that I have notified all
responsible landowners of the enclosed proposed action. Check space for applicable proposed
actions(s):

- Cleanup Proposal (corrective action plan)
- Site Closure Proposal
- Local Agency Intention to make a determination that no further action is required.
- Local Agency Intention to Issue a Closure Letter

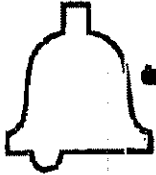
Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

CITY OF

**San Rafael****Mayor
Albert J. Boro****Council Members
Paul M. Cohen
Barbara Heller
Cyr N. Miller
Gary Q. Phillips****Fire Chief
Robert E. Marcucci****November 16, 1999****Ms. Melissa Gossell
IT Corporation
757 Arnold Drive, Suite D
Martinez, CA 94553-6526****Re: Review for Closure
Sears, Roebuck & Co. Automotive Center No. 1528
9000 Northgate Mall, San Rafael, California****Dear Ms. Gossell:**

The City of San Rafael Fire Department (SRFD) is in the process of reviewing IT Corporation's Request for Closure, Sears, Roebuck and Co. Automotive Center No. 1528, 9000 Northgate Mall, San Rafael, California dated March 23, 1999. The IT Corporation report appears to adequately document the site investigation and remediation activities associated with the removal of the dispenser islands and product lines conducted between November 1994 and May 1995. However, the SRFD file for the subject site is lacking documentation for the site investigation and remediation activities associated with the removal of eight underground storage tanks (USTs) conducted in 1985 and 1987. A list of all documents contained in the SRFD file for the subject site is attached.

The SRFD requests the submittal of missing documentation so that the review for closure can be completed. In particular, submittal of the following documentation is requested:

- * Laboratory analytical reports for three soil samples collected from UST excavations by Blaine Tech Services on March 7, 1985 (IT Stoner Laboratory Nos. 26326, 26327 and 26328);
- * Laboratory analytical reports for samples collected by Blaine Tech Services from aerated soil stockpiles on March 25, 1985 (IT Stone Laboratory Nos. unknown);
- * Documentation of the 1987 removal of one 1,000-gallon waste oil UST and two 530-gallon bulk oil USTs;
- * Laboratory analytical reports for UST closure samples collected in 1987. (laboratory unknown); and

**Fire Department Offices: 1039 C Street, San Rafael, CA 94901
Administration: (415) 485-3304 Fire Prevention: (415) 485-3308
Fax: (415) 453-1627**

Ms. Melissa Gossell

Page 2

- * Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to the Remat thermal processing facility in Buckeye, Arizona in 1995.

⇒ Before this department can proceed any further with the site closure, the Deed Notification Forms sent to you previously must be completed and reviewed.

Following Regional Water Quality Control Board and Legislative directives, borings will be required to obtain soil and water samples which will then be tested for MTBE. This is now a requirement for site closure.

In addition, a sensitive Recaptor Report will be needed prior to a site closure being completed.

Should you have any questions, please call me at 415-485-3308.

Sincerely,



BRADLEY R. MARK
Hazardous Material Coordinator

**List of documents contained in San Rafael Fire Department file for
Sears, Roebuck & Co. Automotive Center No. 1528
9000 Northgate Mall, San Rafael, California
(listed in chronological order)**

Blaine Tech Services, 1985a, Soil Sampling at Sears Automotive Center, Northgate Shopping Center, Northgate & Los Ranchos, San Rafael, California, on March 7, 1985: March 12;

Blaine Tech Services, 1985b, Resampling of Aerated Soil at Sears Automotive Center, Northgate Shopping Center, Northgate & Los Ranchos, San Rafael, California, on March 25, 1985: April 8;

Marin County Environmental Health Services, undated, Application for Temporary Tank Closure (form) submitted to Sears, Roebuck & Co.;

Sears, Roebuck & Co., 1986a, letter to Marin County Environmental Health Services regarding removal of three remaining USTs: February 20;

Sears, Roebuck & Co., 1986b, completed Marin County Environmental Health Services application form to remove three USTs, August 4;

Marin County Environmental Health Services, 1986, Permit to Remove three USTs, August 5;

Sears, Roebuck & Co., 1986c, letter to Marin County Environmental Health Services requesting an extension of the September 1, 1986 deadline to remove remaining three USTs, August 25;

Marin County Environmental Health Services, 1987a, Memo to Sears, Roebuck & Co. requesting information on the status of removal of the three remaining USTs: January 13;

Combustion Engineering, 1987, Letter to Marin County Environmental Health Services regarding laboratory analytical results for one soil sample collected the UST removal at the subject site: February 20;

Marin County Environmental Health Services, 1987b, Letter of clearance based upon review of submitted UST closure sample analytical results: March 2;

Fluor Daniel GTI, 1996, Dispenser Island and Product Line Removal Report, Sears Store 1528, 9000 Northgate Mall, San Rafael, California: July 1;

IT Corporation, 1999, Request for Closure, Sears, Roebuck and Co. Automotive Center No. 1528, 9000 Northgate Mall, San Rafael, California: March 23.



October 15, 2002

Captain Bradley R. Mark, Deputy Fire Marshal
City of San Rafael Fire Department
1039 C Street
San Rafael, California 94901

**Subject: Sears, Roebuck and Co. Automotive Center No. 1528
9000 Northgate Mall
San Rafael, California**

Dear Captain Mark:

On behalf of Sears, Roebuck and Co. (Sears), URS Corporation (URS) is responding to comments made regarding the subject site in correspondence from the San Rafael Fire Department (SRFD) dated November 16, 1999. The letter requested that Sears submit specific historical site documents so that the review for site closure could be completed by the SRFD. Copies of the following documents are attached for your files (the SRFD document request is in bold type, the URS comment follows in italics):

- **Documentation of the 1987 removal of one 1,000-gallon waste oil UST and two 530-gallon bulk oil USTs**

A copy of the document is presented in Attachment 1. (Note: the two smaller bulk oil USTs were 500-gallons capacity rather than 530-gallon capacity.)

- **Laboratory analytical reports for UST closure samples collected in 1987 (laboratory unknown)**

A copy of the laboratory analytical report was not found. However, a copy of the Clearance document from the Department of Health and Human Services, Environmental Health Services, County of Marin, dated March 2, 1987, is presented in Attachment 2.

- **Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to Remat thermal processing facility in Buckeye, Arizona in 1995.**

A copy of the Waste Manifest document, dated August 1995, is presented in Attachment 3.

As per our telephone discussion on August 14, 2002, Sears has checked their files for the remaining two historical site documents requested in the SRFD letter (laboratory analytical reports dated March 7, 1985 and March 25, 1985) and have not located them. To date, Sears has researched its files and has found what it could to respond to all requests made by the SRFD for additional historical information regarding the 1985 and 1987 removal activities conducted at the subject site. It must be understood that there was no requirement for Sears to retain historical documents for these removal activities since Sears had received site closure for these activities from the County of Marin.

The November 16, 1999 SRFD letter also requested that Sears provide a sensitive receptor report for the subject site as an additional requirement for site closure. A copy of the EDR – Offsite Receptor Report for the subject site, dated November 12, 1999, is provided in Attachment 4

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510 893 3600
Fax: 510 874 3268



Captain Mark
October 15, 2002
Page 2

Please note that in the first paragraph of the November 16, 1999 SRFD letter it states that "... remediation activities associated with the removal of eight underground storage tanks (USTs)..." For the record, there were a total of five (5) underground storage tanks located at the subject site: two (2) gasoline tanks, one (1) waste oil tank, and two (2) bulk motor oil tanks.

Please provide a copy of the Deed Notification Form so that Sears can complete and return them. It is understood that this form must be completed prior to obtaining site closure.

As requested by the SRFD, a Work Plan is presently being written which will address the requirement of additional soil and groundwater sampling and analysis for Methyl tertiary butyl ether (MTBE) at the subject site. Please note that URS is the new consultant of record for Sears regarding this site. If you have any questions, please do not hesitate to contact me at 510-874-3101.

Sincerely,
URS CORPORATION

David A. Bero, P.G., R.G.
Senior Geologist

cc: Scott DeMuth, Manager, Environmental Technical Services, Sears, Roebuck and Co.
URS Corporation Project Files

Attachments:

1. Application to Remove Underground Hazardous Material Storage Tank
2. Clearance document, Department of Health and Human Services, Environmental Health Services, County of Marin, dated March 2, 1987
3. Waste Manifest dated August 1995
4. EDR – Offsite Receptor Report dated November 1999.

ATTACHMENT 1
Application to Remove Underground Hazardous Material Storage Tank



ENVIRONMENTAL HEALTH SERVICES

COUNTY OF MARIN
HALL OF JUSTICE
CIVIC CENTER
ROOM 285
SAN RAFAEL, CALIFORNIA 94903
(415) 499-6907

RECEIVED

AUG 5 1986

#464035
JE

APPLICATION TO REMOVE
UNDERGROUND HAZARDOUS MATERIAL STORAGE TANK ENVIRONMENTAL HEALTH

1. Facility Information

Name of Facility SEARS		Type of Business AUTOMOTIVE & RETAIL SALES		
Street Address 9000 NORTHGATE MALL	City SAN RAFAEL	Zip Code 94903	Telephone 472-3670	
Contract Period MID AUGUST 1986		Position with Company ANALYTICAL CHEMIST		Telephone (805) 498-6771
Owners Name (Corporation, Agency, or Individual) SEARS & ROEBUCK COMPANY				
Street Address (If Different than Above) 900 S. FREMONT AVE.		City ALHAMBRA	Zip Code 91802	Telephone (818) 576-4225

2. Contractor Removing Tank

Company Name K.E. CURTIS CONSTRUCTION COMP.	Street Address 1400 Old Conejo Rd	City Newbury Park	Telephone (805) 499-0428
---	---	-----------------------------	------------------------------------

3. Soil Analysis Laboratory

Company Name COMBUSTION ENGINEERING EMST	Street Address 2421 W. Hillcrest Dr	City Newbury Park	Telephone (805) 498-6771
--	---	-----------------------------	------------------------------------

4. Hazardous Waste Hauler (if appropriate)

Company Name IT CORP.	Street Address 4585 Pacheco	City MARTINEZ	Telephone (415) 372-9110
---------------------------------	---------------------------------------	-------------------------	------------------------------------

5. Tank Identification & Construction

Tank ID 2929002	UL # - NA -	Year Tank Installed 1972	Volume of Tank (Gallon) 2-500, 1-1000	Cathodic Protection <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, Type _____
Primary Containment <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Fiberglass/Coated Steel <input type="checkbox"/> Other: SINGLE WALL				

5. Chemical Composition of Materials Currently or Previously Stored in Tank

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room)
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		BULK WASTE OIL
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		BULK WASTE OIL
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		WASTE OIL

7. Piping

A. Aboveground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction
 ((Check) appropriate box(es)) 06 Unknown 07 None

B. Underground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction
 ((Check) appropriate box(es)) 06 Unknown 07 None

8. Disposition of Tank(s)

Proposed Disposition of Tank(s) IT WILL REMOVE, RINSE & TANK SCRAPED	Reason for Removal NO LONGER IN THAT SALES BUSINESS
--	---

9. Applicant Information

Name of Applicant MARK GIGAS	Signature of Applicant <i>Mark Gigas</i>	Date 01/1/01
--	---	------------------------

ATTACHMENT 2
Clearance document, Department of Health and Human Services, Environmental
Health Services, County of Marin, dated March 2, 1987

DEPARTMENT OF HEALTH AND HUMAN SERVICES

K-8512 = 12

Environmental Health Services

COUNTY OF MARIN

Hall of Justice • Civic Center • San Rafael, CA 94903

(415) 499-6907

DATE: March 2, 1987

TO:

Attn: Donald Woods
Sears & Roebuck Company

Merchandise Group-Western Law Office

900 South Fremont Ave.

Alhambra, CA 91802

RE: San Rafael Store

900 Northgate Mall

San Rafael, CA 94903

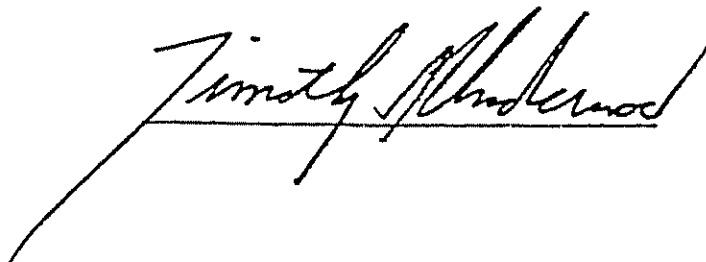
CLEARANCE

Analysis of samples of the soil or ground water at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks at this location.

Thank you for your cooperation.

Very truly yours,

EDWARD J. STEWART, CHIEF
ENVIRONMENTAL HEALTH SERVICES



ATTACHMENT 3
Laboratory analytical reports for UST closure samples collected in 1987

WASTE MANIFEST

Manifest Document No. 000002

Page 1 of 1

3. Generator's Name and Mailing Address
SEARS AUTO CENTER #1528
8000 Northgate Mall
San Rafael, CA

4. Generator's Phone (415) 507-2399

6. Transporter 1 Company Name
Allwaste Transportation & Remediation C.A.D.O. 6.3.5.4.7.9.0.6

US EPA ID Number

7. Transporter 2 Company Name

US EPA ID Number

9. Designated Facility Name and Site Address
R2-MRI
830 North Miller
Buckeye, AZ

10. US EPA ID Number

A. Transporter's Phone 800-321-1030

B. Transporter's Phone

C. Facility's Phone
520-571-7174

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Weight

Non-Hazardous Soil

0010T 0000Y

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special handling instructions and Additional information

Use proper P.P.E. and eyewear.

24-Hour Emergency Contact: Steven Soarez - 500/321-1030

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to special regulations for handling, proper disposal of Hazardous Waste.

Printed/Typed Name

BRAD AKST

Signature

Brad Akst

Month Day Year
10 25 95

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Ruben Macana

Signature

Ruben Macana

Month Day Year

05 25 95

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

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

Richard [Signature]

Month Day Year
08 25 95

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #1

TEL: 520-571-7230

SOUTHWEST SOIL

ATTACHMENT 4
EDR – Offsite Receptor Report dated November 1999



EDR - Offsite Receptor Report

Sears Auto Center
9000 Northgate Drive
San Rafael, CA 94903

Inquiry Number: 432527.1s

November 12, 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

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Census Map	3
Census Findings	4
Receptor Map	5
Map Findings	6
Records Searched/Data Currency Tracking Addendum	9

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

Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.

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EXECUTIVE SUMMARY

A search of available records was conducted by Environmental Data Resources, Inc (EDR) The EDR Offsite Receptor Report provides information which may be used to comply with the Clean Air Act Risk Management Program 112-R "The rule requires that you estimate in the RMP residential populations within the circle defined by the endpoint for your worst-case and alternative release scenarios (i.e. the center of the circle is the point of release and the radius is the distance to the endpoint). In addition, you must report in the RMP whether certain types of public receptors and environmental receptors are within the circles."

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

SEARS AUTO CENTER
9000 NORTHGATE DRIVE
SAN RAFAEL, CA 94903

Distance Searched: 1.000 miles from subject property

RECEPTOR SUMMARY

An X indicates the presence of the receptor within the search radius.

Residential Population

Estimated population within search radius: 6777 persons.

Other Public Receptors

Type	Within Search Radius	Sites Total
Day Care Centers:	<input checked="" type="checkbox"/>	6
Medical Centers:	<input type="checkbox"/>	
Nursing Homes:	<input checked="" type="checkbox"/>	4
Schools:	<input checked="" type="checkbox"/>	10
Hospitals:	<input type="checkbox"/>	
Arena:	<input type="checkbox"/>	
Prison:	<input type="checkbox"/>	

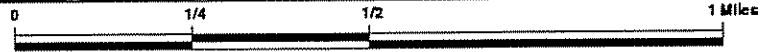
Environmental Receptors

Type	Within Search Radius	Sites Total
Federal Land:	<input type="checkbox"/>	

CENSUS MAP - 432527.1s



- ★ Target Property
- ∩ Roads
- ∩ Waterways
- ∩ Census Tracts

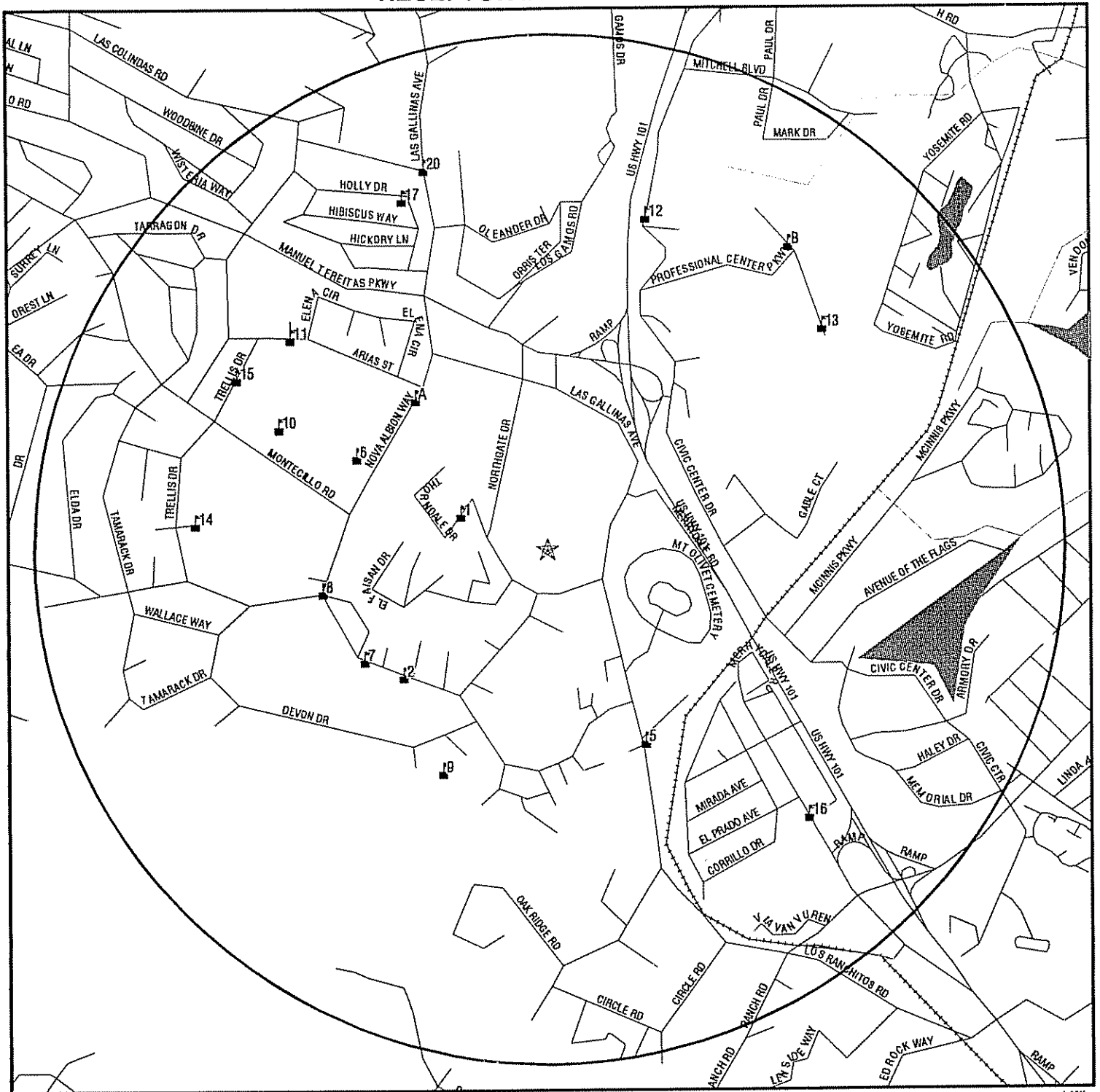


TARGET PROPERTY: Sears Auto Center ADDRESS: 9000 Northgate Drive CITY/STATE/ZIP: San Rafael CA 94903 LAT/LONG: 38.0040 / 122.5437	CUSTOMER: IT Corporation CONTACT: David Bero INQUIRY #: 432527.1s DATE: November 12, 1999 4:54 pm
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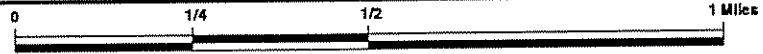
CENSUS FINDINGS

<u>Map ID</u>	<u>Tract Number</u>	<u>Total Population</u>	<u>Population in Radius</u>	<u>Total Area(sq mi.)</u>	<u>Area in Radius(sq mi.)</u>
T1	1060.01	2598	75.3	17.09	0.50
T2	1150.00	6817	16.2	4.30	0.01
T3	1081.00	6566	1265.1	2.33	0.45
T4	1060.02	4773	192.3	9.61	0.39
T5	1082.00	5606	5034.2	1.93	1.74
T6	1090.00	7358	193.8	1.79	0.05

RECEPTOR MAP - 432527.1s



- ★ Target Property
- Roads
- Waterways
- Environmental or Public Receptor
- Federal Lands Linear Features
- Federal Lands Area



TARGET PROPERTY: ADDRESS: Sears Auto Center CITY/STATE/ZIP: 9000 Northgate Drive San Rafael CA 94903 LAT/LONG: 38.0040 / 122.5437	CUSTOMER: IT Corporation CONTACT: David Bero INQUIRY #: 432527.1s DATE: November 12, 1999 4:56 pm
--	--

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	EDR ID Database
1 WNW 1/8-1/4 mi 972 Higher	Name: Villa Marin Health cAre ID: 15298 Site Type: Nursing home	NUR1004726 NURHOM
2 SW 1/4-1/2 mi 1971 Higher	Name: TERRA LINDA NURSERY SCHOOL ID: 210106082 Site Type: Daycare ctr	DAY1036110 DAYCARE
A3 NW 1/4-1/2 mi 2071 Higher	Name: CITY OF SAN RAFAEL/VALLECITO SCHOOL AGE ID: 210110892 Site Type: Daycare ctr	DAY1036086 DAYCARE
A4 NW 1/4-1/2 mi 2077 Higher	Name: VALLECITO ELEMENTARY NCES ID: 061122008822 Address: 50 NOVA ALBION WAY SAN RAFAEL, CA 94903 School ID: 7791 Telephone: 415-479-2032 Local Code: Urban Fringe of Large City School Type: Regular Elementary and Secondary Schools School Level: Primary County: MARIN Lowest Grade: Kindergarten Highest Grade:05	061122008822 CCD
5 SSE 1/4-1/2 mi 2196 Higher	Name: Hartzell School ID: 224985 Site Type: school Latitude: 37.99900 Longitude: -122.50000	GNS0189412 GNIS_SCH
6 WNW 1/4-1/2 mi 2199 Higher	Name: Vallecito School ID: 236960 Site Type: school Latitude: 38.00700 Longitude: -122.60000	GNS0237219 GNIS_SCH

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	EDR ID Database
7 WSW 1/4-1/2 mi 2204 Higher	Name: TERRA LINDA HIGH NCES ID: 063511005941 Address: 320 NOVA ALBION WAY SAN RAFAEL, CA 94903 School ID: 7835 Telephone: 415-485-2370 Local Code: Urban Fringe of Large City School Type: Regular Elementary and Secondary Schools School Level: High County: MARIN Lowest Grade: 09 Highest Grade: 12	063511005941 CCD
8 West 1/4-1/2 mi 2364 Higher	Name: Nazareth House ID: 15302 Site Type: Nursing home	NUR1004728 NURHOM
9 SSW 1/4-1/2 mi 2513 Higher	Name: Nova Albion School ID: 229799 Site Type: school Latitude: 37.99800 Longitude: -122.50000	GNS0211561 GNIS_SCH
10 WNW 1/2-1 mi 3052 Higher	Name: Don Timoteo School ID: 222491 Site Type: school Latitude: 38.00800 Longitude: -122.60000	GNS0178194 GNIS_SCH
11 NW 1/2-1 mi 3432 Higher	Name: ST ISABELLA SCHOOL ID: 1032 Site Type: Private sch.	PRV1005620 PRV_SCH
12 NNE 1/2-1 mi 3563 Higher	Name: MONTESSORI IN MOTION ID: 210111602 Site Type: Daycare ctr	DAY1036075 DAYCARE
13 NE 1/2-1 mi 3623 Higher	Name: TWIN OAKS CHILDREN'S CENTER-PRESCHOOL ID: 213000472 Site Type: Daycare ctr	DAY1036082 DAYCARE

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	EDR ID Database
14 West 1/2-1 mi 3637 Higher	Name: ROBIN'S NEST OF TERRA LINDA ID: 210108299 Site Type: Daycare ctr	DAY1036101 DAYCARE
15 WNW 1/2-1 mi 3663 Higher	Name: ST MARK S SCHOOL ID: 1033 Site Type: Private sch	PRV1005621 PRV_SCH
16 SE 1/2-1 mi 3807 Higher	Name: MERRY TIMES PRESCHOOL ACADEMY ID: 210111422 Site Type: Daycare ctr	DAY1036128 DAYCARE
17 NNW 1/2-1 mi 3897 Higher	Name: Hoffman School ID: 225386 Site Type: school Latitude: 38.01400 Longitude: -122.50000	GNS0191085 GNIS_SCH
B18 NE 1/2-1 mi 3983 Higher	Name: Pine Ridge Care Center ID: 15304 Site Type: Nursing home	NUR1004722 NURHOM
B19 NE 1/2-1 mi 3990 Higher	Name: Hillside Care Center ID: 15301 Site Type: Nursing home	NUR1004721 NURHOM
20 NNW 1/2-1 mi 4113 Higher	Name: JUVENILE HALL/COMMUNITY NCES ID: 069101809230 Address: 1111 LAS GALLINAS AVE SAN RAFAEL, CA 94903 School ID: 7852 Telephone: 415-491-0581 Local Code: Urban Fringe of Large City School Type: Other School Level: High County: MARIN Lowest Grade: 08 Highest Grade: 12	069101809230 CCD

RECORDS SEARCHED/DATA CURRENCY TRACKING

CENSUS

Source: U S Census Bureau

Telephone: 301-457-4100

1990 U S Census data was used to estimate residential population following these EPA guidelines:

"Census data are presented by Census tract. If your circle covers only a portion of the tract, you should develop an estimate for that portion. Determine the population density per square mile (total population of the Census tract divided by the number of square miles in the tract) and apply that density figure to the number of square miles within your circle."

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal lands data. Includes data from several Federal land management agencies, including Fish and Wildlife Service, Bureau of Land Management, National Park Service, and Forest Service. Includes National Parks, Forests, Monuments; Wildlife Sanctuaries, Preserves, Refuges; Federal Wilderness Areas

Date of government version: 09/09/97

HCFA: Provider of Services Listing

Source: The Health Care Financing Administration

Telephone: 410/786-3000

A listing of hospitals with Medicare provider number, produced by The Health Care Financing Administration (HCFA), a federal agency within the U.S. Department of Health and Human Services.

HCFA runs the Medicare and Medicaid programs

Date of government version: 06/01/98

CCD: Common Core of Data

Source: National Center for Education Statistics

555 New Jersey Avenue NW

Washington, DC 20208-5651

The Common Core of Data (CCD) is the National Center for Education Statistics' primary database on elementary and secondary public education in the United States. CCD 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.

Date of government version: 1995-96

GNIS: Geographic Names Information System

Source: USGS

Telephone: 703-648-5094

The Geographic Names Information System (GNIS), developed by the USGS in cooperation with the U.S. Board on Geographic Names (BGN), contains information about almost 2 million physical and cultural geographic features in the United States. The GNIS is our Nation's official repository of domestic geographic names information.

Date of government version: 03/01/98

PRV_SCH: Private Schools

EDR indicates the location of buildings and facilities - private schools - where individuals who are public receptors are likely to be located.

DAYCARE: Daycare Centers

EDR indicates the location of buildings and facilities - daycare centers - where individuals who are public receptors are likely to be located.

MEDCEN: Medical Centers

EDR indicates the location of buildings and facilities - medical centers - where individuals who are public receptors are likely to be located.

NURSING: Nursing Homes

EDR indicates the location of buildings and facilities - nursing homes - where individuals who are public receptors are likely to be located.

ARENA: Arenas

EDR indicates the location of buildings and facilities - arenas - where individuals who are public receptors are likely to be located.

PRISON: Prisons

EDR indicates the location of buildings and facilities - prisons - where individuals who are public receptors are likely to be located.

BOP: Bureau of Prisons Facilities

Source: Federal Bureau of Prisons

List of facilities operated by the Federal Bureau of Prisons.

Date of government version: 07/01/98

Phase I Environmental Site Assessment

Mervyn's Department Store
5010 Northgate Mall
The Mall at Northgate
San Rafael, California

January 5, 2009
10008-008221.00

Prepared for
MACERICH MANAGEMENT COMPANY
401 Wilshire Boulevard
Suite 700
Santa Monica, CA 90401



For the benefit of business and people

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EXECUTIVE SUMMARY

Mr. Aladdin Ghafari, Assistant Vice President, Environmental Affairs, MACERICH MANAGEMENT COMPANY (MACERICH), retained Bureau Veritas North America, Inc. to conduct a Phase I Environmental Site Assessment of the Mervyn's department store located at 5010 Northgate Mall, The Mall at Northgate, San Rafael, Marin County, California (the "subject property"). The objective of the assessment was to provide an independent, professional opinion regarding recognized environmental conditions (REC), as defined by ASTM, associated with the subject property. This assessment was requested in association with a real estate transaction.

This assessment was performed in accordance with ASTM E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to these guidelines, and/or limitations of the assessment, are described in Section 1.3.

The subject property is a Mervyn's retail department store, located on about 1 acre in a retail setting within the Mall at Northgate shopping center. Mervyn's is one, two-story building that is attached to the larger Mall at Northgate Shopping Center. Other anchor tenants at the shopping center (not part of the subject property) include Macy's, Sears, and Century Theatres. The building at the subject property was constructed during 1985. It is Bureau Veritas' understanding that Mervyn's will cease operations and vacate the subject property in the December 2008 timeframe.

Bureau Veritas identified obvious subject property uses from the present back to 1914. The subject property was undeveloped land until developed by the Northgate Shopping Center into a parking lot about 1965. The current subject property building was reportedly built in 1985 as a Mervyn's Department store. The surrounding area was also being residentially and commercially developed during that time.

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property.



1.0 INTRODUCTION

Mr. Aladdin Ghafari, Assistant Vice President, Environmental Affairs, MACERICH MANAGEMENT COMPANY (MACERICH), retained Bureau Veritas North America, Inc. to conduct a Phase I Environmental Site Assessment of the Mervyn's department store located at 5010 Northgate Mall, The Mall at Northgate, Marin County, San Rafael, California (the "subject property"). The objective of the assessment was to provide an independent, professional opinion regarding recognized environmental conditions (REC), as defined by ASTM, associated with the subject property. This assessment was requested in association with a real estate transaction.

1.1 PURPOSE

Good commercial and customary practice for conducting environmental site assessments has the goal of providing an independent, professional opinion regarding *recognized environmental conditions*, as defined by ASTM, associated with the subject property. The term *recognized environmental conditions* (RECs) is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, 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. Conditions determined to be *de minimis* are not RECs.

1.2 METHODOLOGY

This assessment was performed in accordance with ASTM E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to these guidelines, and/or limitations of the assessment, are described in Section 1.3.

The assessment included the following components:

- A site walkthrough inspection of the property for visual evidence of potential environmental concerns including existing or potential soil and groundwater contamination, as evidenced by soil or pavement staining or discoloration, stressed vegetation; indications of waste dumping or burial, pits, ponds, or lagoons; containers of hazardous substances or petroleum products; electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and hydraulic hoists; and underground and aboveground storage tanks.
- An investigation of historical use of the subject property through reasonably ascertainable ASTM Standard Historical Sources (e.g., aerial photographs, fire insurance maps, city directories,) for evidence of prior land use that could have led to *recognized environmental conditions*.



- A review of information available on general geology and topography of the subject property, local groundwater conditions, sources of water, power, and sewer, and proximity to ecologically sensitive receptors, such as streams, that might be impacted by *recognized environmental conditions* and environmental issues.
- A review of environmental records available from MACERICH, property owner or site contact including regulatory agency reports, permits, registrations, and consultants' reports for evidence of *recognized environmental conditions* and activity and use limitations (AULs).
- A site property line visual assessment of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- A review of a commercial database summary of federal, state and tribal regulatory agency records pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property.
- Interviews with the subject property owner or their designated *Key Site Manager, Occupants and State/Local Government Officials*, regarding current and previous uses of the property, particularly activities involving hazardous substances and petroleum products. Past owners, operators and occupants were also interviewed to the extent they were identified and their information was not likely to be duplicative.
- Evaluation of information gathered and development of this report

This assessment did not include sampling or analysis of soil, groundwater or other materials.

Mr. Richard Fehler from Bureau Veritas' San Francisco Regional Office, an Environmental Professional as defined in §312.10 of 40 CFR 312; conducted the site walkthrough portion of the assessment on December 18, 2008, accompanied by Mr. Anthony Edwards, Operations Manager for Northgate. Mr. Edwards has been associated with the subject property for about a year and a half. Resumes for environmental professionals involved in this assessment are included in Appendix A. Photographs taken at the time of the assessment are included behind the *Photographs* Tab.

1.3 EXCEPTIONS AND LIMITING CONDITIONS OF ASSESSMENT

Information for the assessment was obtained from sources listed in Appendix B. This information, to the extent it was relied on to form our opinion, is assumed to be correct and complete. Bureau Veritas is not responsible for the quality or content of information from these sources.

At the time of this assessment, the following documents regarding the subject property were requested, but were not made available for review:

- Documents from the San Rafael building Department



Bureau Veritas has not received a response to the above noted request as of the date of this report. If later findings materially affect the conclusions and recommendations in this report, Bureau Veritas will contact MACERICH.

Lack of Access

Access was not provided to the following areas of the subject property

- Elevator pits. The elevator equipment room was available for inspection, but the elevator pits were inaccessible.

No opinion regarding environmental conditions in areas that were not inspected can be formed. Lack of access to the area(s) listed above did not impede an evaluation of the subject property with respect to *recognized environmental conditions*.

Data Gaps

Historical subject property ownership and/or use information was obtained for the time period, 1914 to present. Bureau Veritas has established the history of previous uses at subject property use since 1940 or first development. No significant data gaps were encountered during this assessment.

1.4 RELIANCE

Bureau Veritas understands that MACERICH and its affiliates, investors, lenders, assignees, designees, successors, and assigns intend to rely upon this report as an evaluation of the environmental conditions at the Property for the purpose of deciding whether and under what conditions to proceed with the real estate transaction involving the Property. The work was performed with sufficient detail and scope to meet the standard diligence practices for an environmental assessment for an institutional investor of real estate in the current marketplace. Bureau Veritas understands that the intent is to complete an investigation which will help satisfy one of the requirements to qualify MACERICH and its affiliates, investors, lenders, assignees, designees, successors, and assigns for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitation on CERCLA liability and that MACERICH and its affiliates, investors, lenders, assignees, designees, successors, and assigns may rely upon the work for the above purpose.

Bureau Veritas will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by Bureau Veritas in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.



2.0 USER PROVIDED INFORMATION

ASTM E 1527 defines “user” as the party seeking to use Practice E 1527 to complete an environmental site assessment of the subject property, and in this case, the user is MACERICH. ASTM E 1527 specifies that certain tasks associated with identifying potential RECs at the subject property should be performed by the user and provided to the environmental professional. This section documents the information obtained from the user.

Recorded Land Title Records

Obtaining recorded land title records and lien records that are filed under federal, state, tribal, or local law for information concerning environmental liens or Activity and Use Limitations (AULs) associated with the subject property was not part of this assessment. Lack of this information did not affect Bureau Veritas’ ability to identify RECs. It should be noted that based on the “User Questionnaire” provided by MACERICH, there are no known Environmental Liens or AULs associated with the subject property.

Specialized Knowledge

MACERICH indicated that it has no specialized knowledge or experience of environmental issues of concern associated with the subject property.

Commonly Known or Reasonably Ascertainable Information

MACERICH representative, Mr. Aladdin Ghafari, was asked if he was aware of any of the following:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property. _____ Yes **XX** No

Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property. _____ Yes **XX** No

Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. _____ Yes **XX** No

MACERICH indicated that it is unaware of any commonly known or reasonably ascertainable information within the local community about the subject property that is material to identifying environmental issues of concern associated with the subject property.

Valuation Reduction for Environmental Issues

The current real estate transaction concerning the subject property is a potential sale, rather than a purchase. However, MACERICH does not anticipate discounting the offering price of the subject property for environmental reasons.



Owner, Property Manager, and Occupant Information

MACERICH indicated that it has no specific information from subject property occupants that is material to identifying environmental issues of concern associated with the subject property.

Reason for Performing Phase I

MACERICH indicated that this assessment was requested in association with a property transaction.



3.0 ENVIRONMENTAL ASSESSMENT FINDINGS

Property Name: Mervyn's Department Store
Site Address: 5010 Northgate Mall, The Mall at Northgate, Marin County, San Rafael, California
Owner: Macerich

3.1 CURRENT SITE INFORMATION

Property Type: Retail
Date of Site Inspection: December 19, 2008
Property Size: Approximately 1 acre
Number and Size of Buildings Onsite: Mervyn's is one, two-story building that is attached to the larger Mall at Northgate Shopping Center. Other anchor tenants at the shopping center (not part of the subject property) include Macy's, Sears, and Century Theatres. The store contains approximately 81,617 square feet.
Construction Date: 1985
Current Site Usage: The subject property is currently developed as a Mervyn's retail department store.
Tenants: Mervyn's. It is Bureau Veritas' understanding that Mervyn's will vacate the subject property around December 2008.
, Areas Inspected: All interior and exterior areas were inspected on foot. Bureau Veritas did not have access to the roof.

Physical Setting

Estimated Depth to Groundwater: Depth to groundwater ranges from ~ 5 feet below grade to ~15 feet below grade.

Gradient Direction: At nearby gas stations (Section 3.9), gradients are generally west to north-north west, but may also have smaller southwest components.

Geology: At nearby gas stations (Section 3.9), soils consist of silt, gravelly silt, clayey sand, clayey sand with gravel, and sandy clay to depths exceeding 25 feet below grade.



3.2 PRIOR USE INFORMATION

Summary of Prior Uses/Dates

The historical research presented in this assessment has established the use of the subject property since 1914. The subject property was undeveloped land until developed by the Northgate Shopping Center into a parking lot about 1965. The current subject property building was reportedly built in 1985 as a Mervyn's Department store. The surrounding area was also being residentially and commercially developed.

City Directory Review

City Directories were requested from EDR. Historical city directories were provided for the period between 1972 and 2008 (Appendix F). A summary of the listings for the subject and adjoining properties is shown below.

Address	Year/Date Range	Listing(s)
<i>Subject Property:</i>		
5010 Northgate Mall	1972, 1976, 1981, 1985	No listings found
	1995, 2000, 2008	Mervyn's
<i>Adjoining/Nearby Properties:</i>		
Various addresses	1972, 1976, 1981, 1985	Street not listed
	1995, 2000, 2008	Northgate Mall and other retail listings that appear to be associated with the mall.

Aerial Photograph Review

Historical aerial photographs were requested from EDR. Historical aerial photographs were provided for the period between 1946 and 2005 (Appendix C). Photographs reviewed are summarized as follows:

Date	Scale	Comments
1946	655'	The subject property and surrounding areas are primarily vacant, undeveloped land. The alignment of I-101 is present, running generally from the north to the southeast. A small road following the alignment of the present day Los Ranchitos Road is also present.
1952	555'	No significant changes were depicted with respect to the 1946 photograph, except that some residential development is now seen to



Date	Scale	Comments
		the southeast of the subject property.
1965	333'	Buildings (not including Mervyn's) and parking lots of Northgate Mall are now present. The subject property, Mervyn's, is shown as a parking lot. The perimeter roads that encircle the present day shopping center are present, but the southern part of the area is not yet developed and appears graded. The existing shopping center buildings appear to be free-standing and not enclosed as today. Additional commercial and residential development is present and roads and I-101 appear as they do now. It appears that three of the four gas stations located north of the subject property on Del Presidio Blvd. are present.
1982	690'	The subject property is still a parking lot within the shopping center. The shopping center has been further developed and considerable commercial and residential development is shown in the surrounding areas.
1993	666'	The Mervyn's building is now present at the west side of the shopping center. The parking structure to the south of Mervyn's is also now present. The surrounding areas are substantially the same as shown in the 1982 photo.
1998	666'	No significant changes were depicted with respect to the 1993 photograph.
2005	484'	No significant changes were depicted with respect to the 1998 photograph.

Historical Topographic Map Review

Historical topographic maps were requested from EDR. Historical topographic maps were provided for the period between 1914 and 1980 (Appendix D). The maps depicted the following:

Date	Comments
1914	The subject property is depicted as vacant, undeveloped land.
1954	No significant changes were depicted with respect to the 1914 map, except, I-101 is shown running north to south and some residential development shown to the southwest.
1980	The Northgate Mall is shown, but the Mervyn's building does not appear to be present. The surrounding areas show considerable commercial and residential development.



Fire Insurance Map Review

Sanborn Fire Insurance Maps were requested from EDR. Fire insurance maps were not available according to EDR. The “No Coverage” notice is provided in Appendix E.

3.3 CITY/COUNTY FILE REVIEW/INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Agency: Marin County Assessors Office

Permits/Comments: The Marin County Assessors Office was contacted on November 19, 2008. The Assessors office confirmed that the Parcel number is 175-060-60.

Agency: San Rafael Fire Department

Permits/Comments: The San Rafael Fire Department (SRFD) was contacted on November 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. Fire Department representatives indicated that the SRFD does not maintain records related to hazardous materials, spills, etc.

Agency: Department of Toxic Substances Control

Permits/Comments: The Department of Toxic Substances Control (DTSC) was contacted on November 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. According to DTSC staff, there are no records on file for the subject property

Agency: Regional Water Quality Control Board

Permits/Comments: The Regional Water Quality Control Board (RWQCB) was contacted on November 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. According to Melinda Wong, the records they have are available for review on the GeoTracker web site (see section 3.9).

Agency: San Rafael Building Department

Permits/Comments: The San Rafael Building department was visited on December 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. The Building Department was not able to provide documentation related to original construction dates. Building department staff did not have any knowledge regarding the past history of use or any potential *recognized environmental conditions* associated with the subject property.

3.4 PREVIOUS REPORTS

No previous reports were available for review during this assessment.



3.5 GENERAL OBSERVATIONS

At the time of the walkthrough, the areas associated with the subject property was developed as a retail department store, consisting of one, two-story building of concrete block construction. The subject building is located within the larger The Mall at Northgate Shopping Center, and is “attached” on the east side to the interior of the mall. A loading dock is located at the south side of the subject building, and contains a hydraulic trash compactor. On the west side of the building is a diesel-powered emergency generator, within a chain link enclosure. A utility-owned pad-mounted transformer is located beside the generator enclosure. Landscaping is present in islands throughout the parking areas and sidewalks.

Most of the interior areas of the subject building are developed as retail space, containing clothing, jewelry, bedding, and other housewares. Retail areas are finished with ceramic and/or vinyl floor tile, carpet, painted drywall, and suspended acoustical ceiling tiles. Warehouse areas are primarily located along the west side of the building behind the loading dock. Finishings in warehouse areas consist mostly of exposed concrete and ceiling, and drywall. Office areas were generally finished with vinyl floor tile and suspended acoustical ceiling tiles. There is one set of escalators between the first and second floor shopping areas, and there are two hydraulic elevators (one freight elevator in the warehouse area and one passenger elevator in the main shopping area). The elevator equipment room was inspected and no spills or leaks were noted. The elevator pits themselves were inaccessible.

Interior and exterior areas of the subject property appeared to be in good condition.

3.6 INTERVIEWS

Bureau Veritas interviewed the subject property owner and site manager as noted in the sections below.

Interview with Owner

See section 2.0 for additional information provided by the site owner.

Interview with Site Manager (or other site access contact/occupant)

Mr. Anthony Edwards was contacted in person on December 18, 2008. Mr. Edwards was forthcoming with information for which he had knowledge. Mr. Edwards has been associated with the subject property for approximately a year and a half. Mr. Edwards provided general information regarding historic and current operations at the subject property. Mr. Edwards is unaware of any environmental issues of concern associated with the subject property, and stated that he was unaware of any USTs or ASTs historically or currently located on the subject property. Mr. Edwards indicated that the mall was built in 1965, and at that time the buildings were “free-standing” and not enclosed in a mall. He indicated that the Mervyn’s building was built in 1985 (as a free-standing building), at which time the entire mall was “enclosed.”

Mr. Edwards was asked if he was aware of any of the following:



Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property. Yes XX No

Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property. Yes XX No

Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. Yes XX No

Interviews with Others

No other interviews were conducted.

3.7 CURRENT SITE CONDITIONS

Stained Soil Yes _____ No XX

Distressed Vegetation Yes _____ No XX

Chemical/Hazardous Materials Storage Yes _____ No XX

Comments (types, amount, location): None

Sumps/Pits/Floor Drains Yes _____ No XX

Comments (types, amount, location): A storm drain is located at the base of the loading dock.

Leachfields/Septic Tank Yes _____ No XX

Comments (location, condition): The subject property has been connected to the municipal sewer since initial construction

Source of Fuel for Heating: Natural gas



Wells Yes _____ No XX

Waste Handling and Disposal:

Comments (types, amount, location):

Non-hazardous solid waste is collected into dumpsters and a trash compactor, located in the loading dock of the subject building, and is picked up on a regular basis.

Potential PCB-Containing Equipment Yes _____ No XX

<u>Type</u>	<u>Ownership</u>	<u>Condition / Comments</u>
A pad-mounted transformer is located at the west side of the building in a landscaped area.	Utility-owned (PG&E)	Good
Hydraulic Trash Compactor	Mervyn's	The compactor appeared to be in good condition and no leaking in the vicinity of the compactor was observed.

Aboveground Storage Tanks (ASTs) Yes _____ No XX

Comments: The subject property has a diesel-fired backup generator equipped with an approximately 85-gallon belly tank. The tank is enclosed within the generator, which would contain any leaks from the tank. Diesel staining was observed on the concrete pad, the apparent result of overfills (see photos). The minor spillage is considered to be *de minimis*.

Underground Storage Tanks (USTs) Yes _____ No XX

3.8 ADJACENT SITE LAND USES

North	A large parking lot, followed by Las Galinas Avenue, across which are four gas on Del Presidio.	Comments	The four gas stations all have active groundwater monitoring programs (see Section 3.9)
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East	The Mall at Northgate, parking lots, Rite Aid, followed by Los Ranchitos Road.	Comments
South	A large parking structure, followed by parking lots and Northgate Drive, followed by residential development.	Comments
West	Parking lot followed by Northgate Drive with a vegetated hill beyond.	Comments

3.9 REGULATORY SEARCH (ADJACENT OR UPGRADIENT SITES WITHIN ¼ MILE OF SUBJECT PROPERTY)

The subject property was identified in the EMI (Emissions Inventory Database) database. This listing reflects the emergency generator and does not represent a release.

The database review identified twelve different locations within 1/8-mile from the subject property. A complete listing of these sites is included in Appendix I. Most of the sites present no environmental concern to the subject property because they only hold an operating permit (which does not imply a release), require no further action, reflect RCRA “small quantity generator” status, or based upon Bureau Veritas’ review, are too distant and/or topographically down-gradient or cross-gradient relative to the subject property to reasonably affect it.

The computer database review identified the following selected facilities, generally within 1/8 mile from the subject property, for additional discussion.

Facility	Database	Orientation from Subject Site (miles)	Environmental Concern/Reason
Goodyear Tire and Rubber Co. 496 Las Gallinas Avenue	HIST UST	<1/8 mile, east across shopping center and across street; cross-down gradient	No; distance and gradient



Facility	Database	Orientation from Subject Site (miles)	Environmental Concern/Reason
Sears/Jiffy Lube/Sears Auto Ctr 9000 Northgate	RCRA-SQG, FINDS, HAZNET,AST, HIST UST	<1/8 mile; at far edge of shopping center; up- to cross-gradient	No; no indication of a release and distance
Kerns and Walker Cleaners 412 Las Gallinas Avenue	RCRA-SQG, FINDS, HAZNET	<1/8 mile, east across shopping center and across street; cross-down gradient	No; no indication of a release, distance and gradient
Four Gasoline Service Station Locations, all on Del Presidio Boulevard	Multiple (see below)	<1/8 mile, north, across large parking lot, across Las Gallinas Avenue; down- to cross-gradient	See below

The following sites that may pose an environmental concern to the subject property were evaluated in more detail:

- There are multiple listings with different names for these four sites. Currently, they are: 921 Del Presidio (76 Service Station No. 4774), 930 Del Presidio (Valero), 949 Del Presidio (Chevron Service Station #90166), and 950 Del Presidio (Shell). There are multiple database listings for these sites including, RCRA-SQG, UST, LUST, CHMIRS, Cortese, CA FID UST, HIST UST, SWEEPS UST, RCRA-LQG, and HAZNET. All four sites have active monitoring programs in place and selected sections of current monitoring reports are included in Appendix H. According to information contained in these reports, soils consist of silt, gravelly silt, clayey sand, clayey sand with gravel, and sandy clay to depths exceeding 25 feet below grade. Depth to groundwater ranges from ~ 5 feet below grade to ~15~ below grade, with a general west to north-north west gradient, which is cross- to down-gradient from the subject property. Based on gradient and distance, these sites pose low concern to the subject property.

Unmappable sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information in the environmental database record provided by its applicable agency. Cross referencing addresses and site names, as well as a visual reconnaissance of surrounding properties, has been completed for the unmappable facility sites in the database report. The subject and adjacent properties were not identified



on the unmappable sites listing in the environmental database report. No unmappable sites were identified with the potential to impact the subject property.



4.0 FINDINGS, OPINIONS, AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-05 of the Mervyn's department store located at 5010 Northgate Mall, The Mall at Northgate, Marin County, San Rafael, California the subject property. Any exceptions to or deletions from this practice are described in Section 1.3.

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property.

**Certification of both
Environmental Professionals
signing below:**

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

This report was prepared by:

Richard D. Fehler, QEP, REA
Director National Accounts
Environmental Services
San Francisco Regional Office
Bureau Veritas North America, Inc.

This report reviewed by:

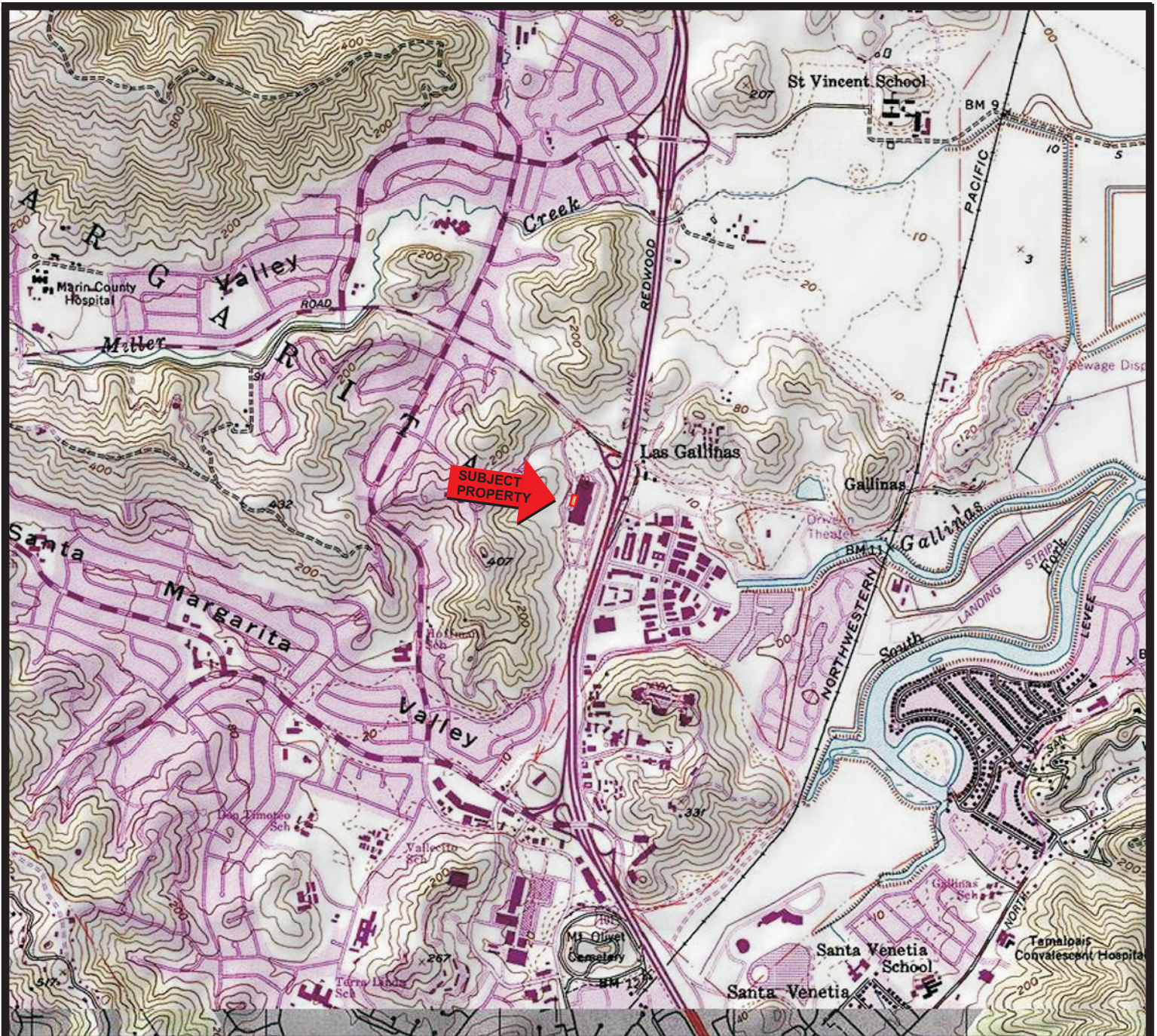
Trevor Donaghu, REA
Manager, National Accounts
National Programs
San Francisco Regional Office
Bureau Veritas North America, Inc.

January 5, 2009

Bureau Veritas Project No. 10008-008221.00

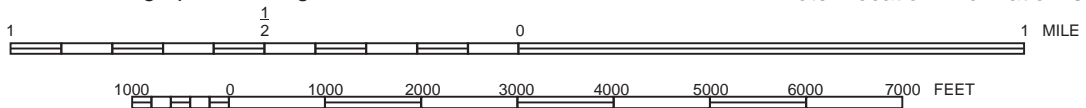


FIGURES



Source: TOPO! © 2000 National Geographic Holdings

Note: Location Information is Approximate



Portion of the 7.5-Minute Series Petaluma, California
 Quadrangle Topographic Map (Datum: NAD 83)
 United States Department of the Interior
 Geological Survey
 1980



QUADRANGLE LOCATION

SUBJECT PROPERTY LOCATION

Mervyn's Department Store
 5010 Northgate Mall
 San Rafael, California

Project No. 10008-008221.00.006

FIGURE

1



**BUREAU
 VERITAS**



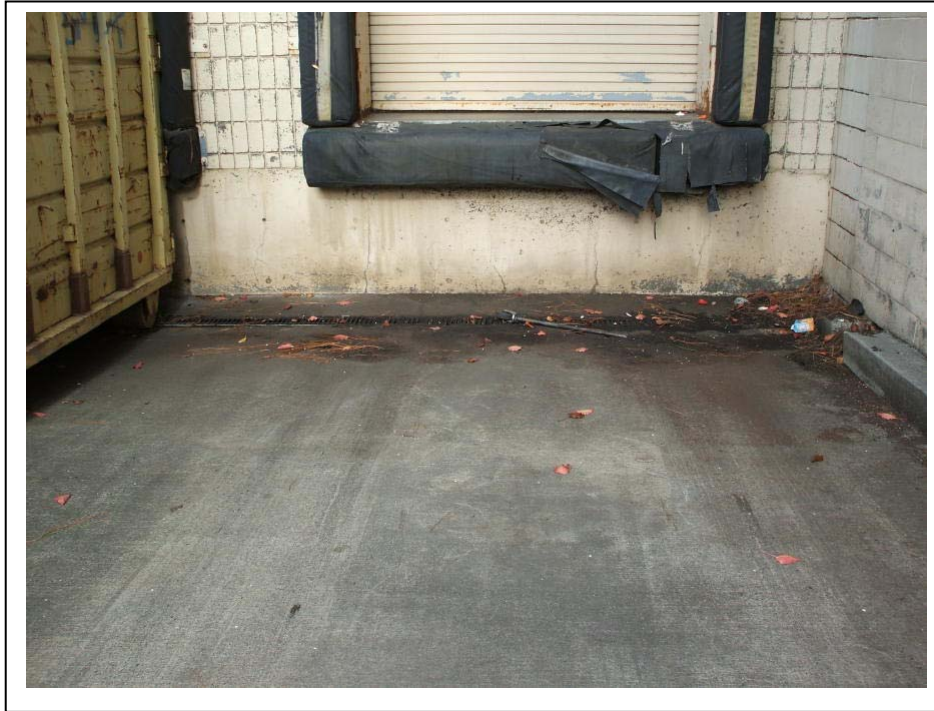
PHOTOGRAPHS



Project No. 10008-008221.00	Description	South side of Mervyn's from the parking structure.	1
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Loading dock with trash compactor (south side).	2
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Trench drain at base of loading dock.	3
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	View along west side of Mervyn's. Emergency generator and transformer are behind grey storage boxes.	4
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Emergency generator in enclosure.	5
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Fill port in generator belly tank, and de minimis diesel spillage on concrete pad.	6
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	De minimis diesel staining on generator pad.	7
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Utility-owned transformer adjacent to emergency generator enclosure.	8
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	North side of Mervyn's building.	9
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Entrance to Mervyn's from inside mall (east side).	10
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Lower warehouse area behind loading dock doors.	11
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Typical HVAC ducts.	12
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Freight elevator.	13
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Equipment in elevator equipment room.	14
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Equipment in elevator equipment room.	15
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Cleaning supply storage area.	16
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Cardboard bailer in warehouse area.	17
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Employee break room.	18
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Typical back office area.	Photo Date 12/18/2008
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	



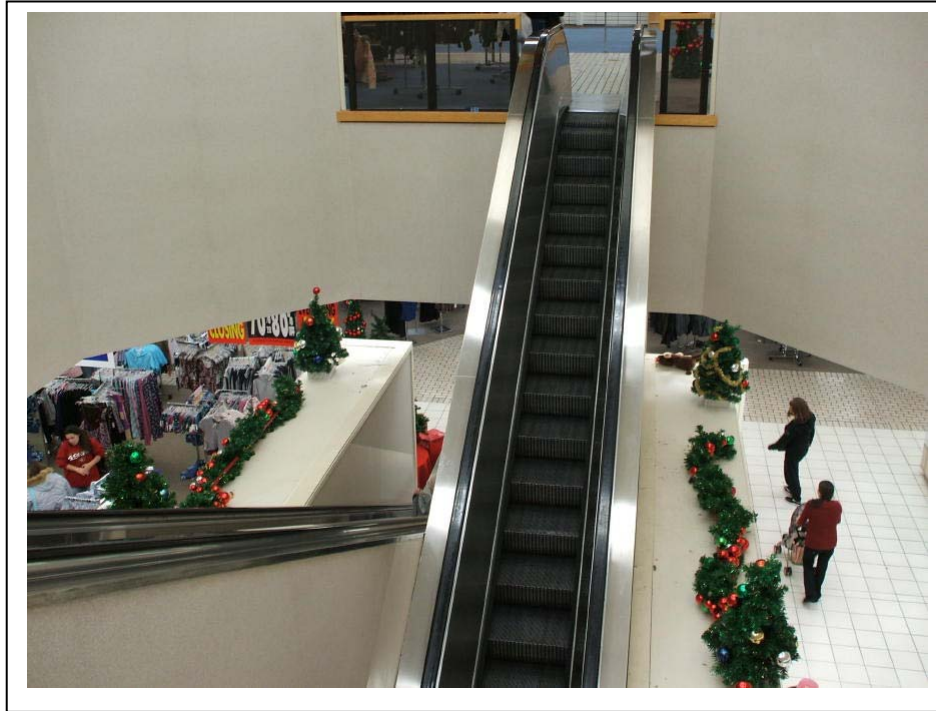
Project No. 10008-008221.00	Description	Sales floor.	Photo Date 12/18/2008
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	



Project No. 10008-008221.00	Description	Sales floor.	Photo Date 12/18/2008
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	



Project No. 10008-008221.00	Description	Passenger elevator.	Photo Date 12/18/2008
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	



Project No. 10008-008221.00	Description	Escalators	Photo Date 12/18/2008
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	



Project No. 10008-008221.00	Description	View south from offsite, Del Presidio Street (four gas stations). Mervyn's building is in center background.	Photo Date 12/18/2008
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	



APPENDIX A

RESUMES OF ENVIRONMENTAL PROFESSIONALS



Richard D. Fehler, QEP, REA



Vice President, Director, National Accounts, Environmental Services

B.S., Zoology, 1974
University of California, Davis, California

OSHA 8-Hour Refresher Training,
Annual

OSHA 40-Hour Hazardous Waste
Operations and Emergency Response
Training

Qualified Environmental Professional
(QEP), No. 09950062

Registered Environmental Assessor
(REA), State of California, (No. 00616)

Richard D. Fehler has more than 20 years of experience in environmental management, addressing a wide spectrum of complex environmental issues and providing assistance to the real estate and investment industry; the manufacturing, chemical, and mining and mineral processing industries; law firms; and state and local governments. Mr. Fehler specializes in environmental due diligence, regulatory compliance and negotiations, hazardous waste management, and environmental management and consulting.

Currently, Mr. Fehler is responsible for managing nationwide Phase I, Phase II, and Phase III projects for large national accounts and for assuring these clients of uniformly high quality service throughout the country. Mr. Fehler also directs and develops Clayton's Real Estate and Financial Services practice area, which includes developing internal training programs and procedures for conducting due diligence projects and for coordinating the development of Clayton standards.

Mr. Fehler has represented industry in sensitive discussions and negotiations with the United States Environmental Protection Agency (USEPA) and state agencies concerning many complex issues. These issues include hazardous waste classification, minimization, and management; Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Superfund Amendments and Reauthorization Act (SARA) concerns; Clean Air, Clean Water, and Toxic Substances Control Act matters; and the settlement of compliance issues. He has managed complicated permitting, investigation, remediation, underground storage tank (UST), and real estate transfer projects, with contract values up to several million dollars.



Richard D. Fehler, QEP, REA

Project Experience

Phase I and II Environmental Site Assessments (ESAs)

Real Estate and Financial Services Industries

Mr. Fehler manages all environmental services nationally for several major commercial mortgage loan and real estate investment management companies. These services include peer reviews and desktop reviews, environmental assessments for single assets, and detailed reviews and recommendations for large portfolios. Mr. Fehler personally reviews several hundred due diligence reports per year. He manages a range of Phase II investigations to quantify contamination from dry cleaners, USTs, or other industrial sources and represents the client with regulators to negotiate site closure or remediation issues and to develop effective remediation strategies and budgets. Mr. Fehler's services are usually conducted under tight time frames where accuracy and timeliness are essential. Mr. Fehler is responsible for coordinating and reviewing all work to ensure uniform, high quality throughout the country, allowing clients to make important decisions and complete transactions with the best possible information.

No Further Action

Real Estate and Financial Services Industry

A major aerospace company ceased operations at a large industrial facility in Southern California and conducted a substantial investigation to evaluate hydrocarbon and chlorinated solvent contamination. Several USTs, sumps, and considerable soils were removed in an effort to obtain "clean closure" for the facility. Because of disputes with the regulatory agency, closure was never granted, and the site was sold without regulatory closure at reduced cost. The subsequent property owner planned to redevelop the property into an upscale light industrial facility and retained Clayton to obtain a No Further Action letter from the regulatory agency to increase the property's value. Mr. Fehler successfully negotiated with the Regional Water Quality Control Board (RWQCB) to assume regulatory management of the site and developed detailed briefing documents that consolidated data from previous work by other consultants. Mr. Fehler then used RWQCB guidelines for solvent cleanup to calculate allowable levels in site soils and, after discovering and correcting errors by previous consultants, submitted a final document to the RWQCB. As a result of these efforts, the RWQCB issued a No Further Action letter, greatly increasing the site's value for redevelopment.

Fungal Evaluation and Remediation Oversight Consulting Services

Real Estate and Financial Services Industry

During the early construction stages of two high-quality, six-story office buildings, rainwater entered a partially completed roof and damaged the buildings. The rainwater wetted gypsum board in the core section and on perimeter walls of each floor in both buildings, creating extensive, visible mold contamination and potentially catastrophic delays to building construction and commissioning schedules. Mr. Fehler managed Clayton's efforts to identify moldy construction and finishing materials and to oversee remediation during the removal of these materials. Because the financial impacts of delay equaled \$250,000 per week, the work was "fast tracked," yet Clayton was able to provide full documentation and ensure thorough remediation. Project activities included walkthrough and "destructive" inspections, development of a scope of work for remediation, and remediation oversight. The final step in Fungal Evaluation and Remediation Oversight Consulting Services the oversight process was validation air sampling for fungi after the commissioning of the heating, ventilation, and air conditioning (HVAC) systems. Clayton's timely efforts effectively mitigated mold-related impact to the office towers, halted financial losses to the building owners, and allowed the buildings to be completed and occupied as scheduled.



Richard D. Fehler, QEP, REA

Real Estate Portfolio

Real Estate and Financial Services Industry

Mr. Fehler managed the development of Phase I reports for 24 industrial properties in Southern California. The due diligence period was 30 days, and many of the properties had significant issues relating to past industrial use, USTs, sumps, and previous investigations. Frequent contact with the client allowed early decisions about discovered issues, including removing high-risk sites from the portfolio and verifying necessary indemnifications. Working with legal counsel, Mr. Fehler submitted final reports to the selected lender on time. Mr. Fehler also coordinated responses to the few questions from the lender's third-party consultant, and the high-value portfolio was successfully funded.

Comprehensive Environmental Services

Financial Institution

Mr. Fehler has managed a variety of as-needed environmental consulting services for a large California bank, primarily in association with real estate transactions, including buying, selling, refinancing, and foreclosing on properties. Projects have included Phase I, Phase II, and Phase III activities, sampling and classifying waste, developing and implementing site closure plans, negotiating with regulators, providing third-party review of other consultants' reports, and coordinating appropriate waste disposal. Mr. Fehler has managed projects at more than 100 site locations for this client, frequently on an expedited or short schedule, allowing the client to complete these property transactions within the scheduled time frames.

Environmental Documentation

Utility Industry

Mr. Fehler managed the development of environmental documentation needed for the Public Utilities Commission (PUC) to certify a proposed site for construction of a new power plant. The proposed site was located on a historic landfill at the edge of San Francisco Bay, known to contain various contaminants. He developed and submitted a Remedial Action Work Plan (RAW) to the California Department of Toxic Substances Control (DTSC) for adoption. The RAW included a human health risk assessment and an ecological risk assessment, addressing issues concerning methane, soil and groundwater contaminants, and exposure pathways. The RAW, which was presented at a public meeting, was adopted by DTSC, and the preferred remedial action, specified by the RAW, was the most favorable to the client and allowed the PUC to certify the site.

Site Assessment and Remediation

Real Estate Industry – Commercial and Industrial

Mr. Fehler designed and managed projects to assess and remediate two large industrial sites in San Francisco to allow property development of the high-value land. He managed all phases of assessments, decontamination, and remediation. He addressed issues concerning worker health and safety, environmental compliance construction deadlines, and significant legal issues. Mr. Fehler successfully negotiated with principals and regulators to allow the multimillion-dollar projects to proceed.

Comprehensive Environmental Services

Transportation Industry – Metropolitan Port Authority

Mr. Fehler managed a large, as-needed environmental services contract for the extensive and diverse properties owned and operated by this metropolitan Port Authority. He directed Phase I ESAs at more than 40 locations; the hazardous materials investigation plan; sampling and analysis of soil, groundwater, wastes, and air at more than 15 locations; the health and safety plans; development and presentation of training courses in various aspects of safety and hazardous materials management; and the characterization of waste waters. In addition to his direction and management of these services, Mr. Fehler provided regulatory interpretation, helped develop environmental impact reports and



Richard D. Fehler, QEP, REA

environmental impact statements (EIR/EIS) for large projects, and provided services for other tasks as needed. These activities have allowed the Port to effectively manage its extremely large and diverse real estate holdings.

Regulatory Negotiation

Chemical Industry

A serious incident at this chemical plant involved the accidental release and subsequent fire of petroleum refinery byproducts and resulted in the death of a plant employee. Mr. Fehler served on a crisis management team as a primary contact between the client and regulatory agencies. He also supervised site cleanup activities conducted under the onsite presence of the USEPA, the California Environmental Protection Agency (CalEPA), the Occupational Safety and Health Administration (OSHA), and the California Occupational Safety and Health Administration (CalOSHA). Ultimately, more than 2,500 cubic yards of solids and more than 800,000 gallons of acidic liquids were recovered for proper disposal at a cleanup cost of about \$3 million. Mr. Fehler also helped establish a successful Community Advisory Panel with the local community to resolve issues and concerns.

Regulatory and City Government Negotiation

Chemical Industry

The City of Portland, Oregon condemned part of a chemical manufacturing site in association with construction of a significant roadway project. The property facing condemnation contained a waste management unit as well as historic, documented disposal pits that contained pesticide formulation residues. Mr. Fehler managed this project, successfully negotiating with both the City and the Oregon Department of Environmental Quality. Careful review of work performed by the City's consultants allowed the property transfer to take place in a way that allowed the City to proceed with the roadway project while providing the landowner with maximum value and flexibility for the condemned property.

Site Assessment and Remediation

Chemical Industry

The Port of Tacoma planned to purchase a \$4.5 million industrial property. Prior to the purchase, Mr. Fehler managed a site assessment followed by an "independent remedial action" under the State of Washington's Model Toxics Cleanup Act. The project included soil and groundwater sampling, cleaning and decontaminating the industrial equipment, and characterizing and properly disposing of 15,000 cubic yards of industrial waste material. The project was successfully concluded on an extremely tight time frame, allowing the multimillion-dollar transaction to proceed on schedule.

Site Cleanup and Decontamination

Chemical Industry

A chemical manufacturing site in the Los Angeles area was slated for demolition and eventual sale. Mr. Fehler managed the site cleanup and decontamination, which included asbestos assessment and abatement; hazardous waste characterization and disposal; the decontamination and demolition of numerous tanks and process vessels; soil sampling; the design and installation of a soil vapor extraction system to remediate a leaking UST; and negotiations with regulatory agencies. Mr. Fehler's services allowed the site to be successfully remediated and sold as planned.

Regulatory and City Government Negotiation

Chemical Industry

Mr. Fehler managed a \$1.5 million project to permit and install a new waste water outfall in the San Francisco Bay Delta. He also negotiated an acceptable National Pollution Discharge Elimination System (NPDES) permit to allow the new outfall to be used. The permitting strategy required a detailed initial



Richard D. Fehler, QEP, REA

study, and this study allowed the lead state agency to issue a negative declaration, eliminating the need for a full environmental impact report, which would have caused significant delays. Special problems included excessive sodium sulfate in the wastewater, requiring evaluation of its ecological toxicity. The waste water outfall was successfully installed and has solved a variety of waste water discharge compliance issues.

Environmental, Health, and Safety Audits

Chemical Industry

Mr. Fehler conducted comprehensive environmental, health, and safety audits of basic and specialty chemicals manufacturing plants, some with significant Resource Conservation and Recovery Act (RCRA) permitting issues. He audited commercial hazardous waste incinerators, landfills, and treatment and storage facilities to verify compliance and to minimize potential liability to the waste generator. Mr. Fehler also served as the technical representative on the steering committee in a Superfund Potentially Responsible Party (PRP) action. These services allowed the chemical company to meet its regulatory obligations in an extremely complex environment.

Risk Management and Prevention Plans

Chemical Industry

Mr. Fehler supervised the preparation of risk management and prevention plans (RMPPs) at two large chemical manufacturing sites in California. The plans included process safety programs, hazard and operability (HAZOP) analysis, and analyses of the offsite consequences of several chemical-release scenarios. Mr. Fehler presented the results of the site analysis to the public at a County-required public meeting, and the RMPPs were accepted by the regulatory agency.

UST Compliance

City and County Government

Mr. Fehler successfully managed a \$2.3 million UST compliance project involving several hundred USTs for the City and County of San Francisco. In addition to routine tank testing, monitoring, and closure activities, the project included significant soil and groundwater investigation and remediation. As a result of Mr. Fehler's services, the City's USTs were brought into compliance with state regulations.

Regulatory Negotiation

Mining and Mineral Processing Industry

Mr. Fehler successfully negotiated with the state of Montana to ensure that certain large-volume waste streams generated by an elemental phosphorous production facility were exempt from listed federal mining and mineral processing wastes. Mr. Fehler's successful negotiation was the result of careful analysis and statistical evaluation of waste material characteristics as well as thorough analysis of applicable laws and regulations.

Employment History

Clayton Group Services, Inc. *A Bureau Veritas Company* – Pleasanton, California
Vice President, Director, National Accounts
2005 to Present

Clayton Group Services, Inc. – Pleasanton, California
Vice President, Director, National Accounts
2003 to 2005



Richard D. Fehler, QEP, REA

Clayton Group Services, Inc. – Pleasanton, California
Vice President, Director, Real Estate and Financial Services Group
1998 to 2003

Clayton Group Services, Inc. – Pleasanton, California
Director, National Accounts
1997 to 1998

Clayton Group Services, Inc. – Pleasanton, California
Director, Environmental Services
1994 to 1997

Rhone-Poulenc Basic Chemicals Co. – Martinez, California
Manager, Environmental Affairs, Western Region
1989 to 1994

Clayton Group Services, Inc. – Pleasanton, California
Manager, Regulatory Affairs
1984 to 1989

U.S. Pollution Control, Inc. – Oklahoma City and Tulsa, Oklahoma
Senior Environmental Specialist, Regulatory Compliance
1983 to 1984

U.S. Pollution Control, Inc. – Oklahoma City and Tulsa, Oklahoma
Regional Marketing Manager
1981 to 1983

U.S. Pollution Control, Inc. – Oklahoma City and Tulsa, Oklahoma
Assistant Marketing Manager
1981

Missouri Department of Natural Resources – Jefferson City, Missouri
Environmental Specialist, Hazardous Waste Management Section
1978 to 1980

Professional Affiliations

Air and Waste Management Association

Publications and Presentations

Fehler, Richard. D. June 1995. Closure of surface impoundments containing mineral processing wastes through resource recovery. Presented at the Air and Waste Management Association Annual Meeting, San Antonio, Texas.



Trevor A. Donaghu, REA

Manager, National Accounts, National Programs

B.S., Environmental Planning and
Management, 1993
University of California at Davis, Davis,
California

California Registered Environmental
Assessor (REA)

OSHA 40-hour Certification in
Hazardous Waste Operations

AHERA 24-hour Accreditation, Building
Inspector

Trevor A. Donaghu has more than 16 years of experience in the field of environmental consulting, with demonstrated results in project planning and management. His responsibilities include project design and budgeting, project scheduling and tracking, senior technical review and quality assurance/quality control (QA/QC), negotiation with regulators, and client communication. For various national clients, he is responsible for managing all projects nationwide, including Phase I and Phase II environmental site assessments (ESAs), site investigations, and regulatory closures.



Trevor A. Donaghu, REA

Project Experience

Due Diligence

Real Estate and Financial Services Industry

Mr. Donaghu managed numerous due diligence projects in Northern California (San Francisco Bay Area, Sacramento, Redding), several of which also required additional Phase II investigation, which had to be coordinated to meet client-specific deadlines. He managed full-time and flex-time professional staff, reviewed project design and budgeting, and prepared proposals. Mr. Donaghu provided technical review and QA/QC, coordinated and scheduled projects, and maintained client contacts. Some projects have included property condition assessments, and/or seismic reports for multi-property portfolios.

Due Diligence

Real Estate and Financial Services Industry

Mr. Donaghu has personally conducted hundreds of Phase I ESAs throughout the United States for the real estate and banking industries. He is familiar with the rules and laws that establish standards and regulatory requirements within the environmental industry, and has conducted regulatory compliance auditing as well as hazardous waste management and removal activities. He reviewed project design, project budgeting, and proposals. He also reviewed the final reports completed by other professional staff.

Subsurface Investigation

Various Industries

Mr. Donaghu has conducted Phase II and III Assessments to characterize the extent of soil and groundwater contamination. He is experienced in a variety of assessment techniques, including geophysical surveys, soil boring and monitoring-well installation, soil and groundwater sampling, and storm drain discharge assessment.

Underground Storage Tanks Management

Various Industries

Mr. Donaghu has managed and conducted oversight for the removal and closure of underground storage tanks (USTs), clarifiers, and other subsurface structures at numerous facilities, such as gas stations, chemical companies, and manufacturing facilities. He oversaw the removal of 22 USTs from a former chemical company facility, and emergency removal of two USTs discovered during grading activities at a new construction site. Mr. Donaghu has provided site-closure related services such as project design and budgeting; coordination of staff, subcontractors, and regulators; remediation of impacted soil; and obtaining final agency approval.

Information Technology

Database Development

Mr. Donaghu has over eight years of database development experience, and has developed databases for numerous applications, using dBase, Paradox, and Access. For one project, he developed a database for large, multi-unit complex site inspections for indoor environmental quality (IEQ) issues, including mold. The database included modules for sample and analytical data, inspector notes, and reporting (reports for individual tenants, summary reports, and abatement cost projection). Mr. Donaghu also developed Clayton's Real Estate and Financial Services Project Management Database, which is used for startup, assignment, tracking, and managing all due diligence projects. Application-specific requirements have included the ability to handle projects with an unlimited number of sites, modules for date and budget calculations, form generation, and periodic reporting. Mr. Donaghu has also developed databases for marketing/contact management of 50,000+ records.



Trevor A. Donaghu, REA

Information Technology

Web Development

Mr. Donaghu has over three years experience providing Internet consulting and Web site/application development services for clients in various industries. His expertise includes the use of Hyper-Text Markup Language (HTML), JavaScript, PERL, and CGI. Specific projects include development of web sites and Intranets for consulting, retail, manufacturing, and environmental firms.

Employment History

Bureau Veritas – Pleasanton, California
Manager, National Accounts
2006 to Present

Clayton Group Services, Inc. – Pleasanton, California
Manager, National Accounts
2004 to 2006

Clayton Group Services, Inc. – Pleasanton, California
Senior Project Manager
1999 to 2004

ATC Associates, Inc. – Pleasanton, California
Manager, Due Diligence Services
1998 to 1999

CERES Environmental – Santa Fe Springs, California
Project Manager
1997 to 1998

CERES Environmental – Santa Fe Springs, California
Environmental Specialist
1994 to 1997

On-Site Environmental – Santa Clara, California
Technician
1993 to 1994

Pacific Gas & Electric Company
Engineering Technician
1992



APPENDIX B

LIST OF SOURCES/REFERENCES



LIST OF SOURCES / REFERENCES

Sources of Information

- ASTM, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E 1527-05

Persons/Agencies Contacted

- Mr. Anthony Edwards, Operations Manager Northgate, (415) 479-5956
- Marin County Assessor's Office
- City of San Rafael Building Department, (415) 485-3367
- San Rafael Fire Department (415) 485-3304
- Marin County Environmental Health Services
- California Department of Toxic Substances Control
- Regional Water Quality Control Board

Documents Reviewed

- Aerial photograph dated 2008 obtained on-line from Google Earth
- Aerial photographs dated 11946, 1952, 1965, 1982, 1983, 1998, and 2005, obtained from EDR, EDR Aerial Photo Decade Package, dated November 18, 2008
- Radius Map with GeoCheck® , Environmental Data Resources, Inc. (EDR), Inquiry Number 02365738.140r dated November 18, 2008
- United States Geological Survey (USGS) Topographic Maps dated 11914, 1954, and 1980, obtained from EDR, EDR Historical Topographic Map Report, dated November 18, 2008
- City Directories obtained from EDR, dated November 21, 2008

Previous Reports/Documents

None



APPENDIX C
AERIAL PHOTOGRAPHS



Mervyns

5010 Northgate Mall
San Rafael, CA 94903

Inquiry Number: 2365738.143

November 18, 2008

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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

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

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Date EDR Searched Historical Sources:

Aerial Photography November 18, 2008

Target Property:

5010 Northgate Mall
San Rafael, CA 94903

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1952	Aerial Photograph. Scale: 1"=555'	Flight Year: 1952	PACIFIC AIR
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	CARTWRIGHT
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=484'	Flight Year: 2005	EDR



INQUIRY #: 2365738.143

YEAR: 1946

| = 655'





INQUIRY #: 2365738.143

YEAR: 1952

| = 555'





INQUIRY #: 2365738.143

YEAR: 1965

| = 333'





INQUIRY #: 2365738.143

YEAR: 1982

| = 690'





INQUIRY #: 2365738.143

YEAR: 1993

| = 666'





INQUIRY #: 2365738.143

YEAR: 1998

| = 666'





INQUIRY #: 2365738.143

YEAR: 2005

— = 484'





APPENDIX D
TOPOGRAPHIC MAPS



Mervyns

5010 Northgate Mall
San Rafael, CA 94903

Inquiry Number: 2365738.142

November 18, 2008

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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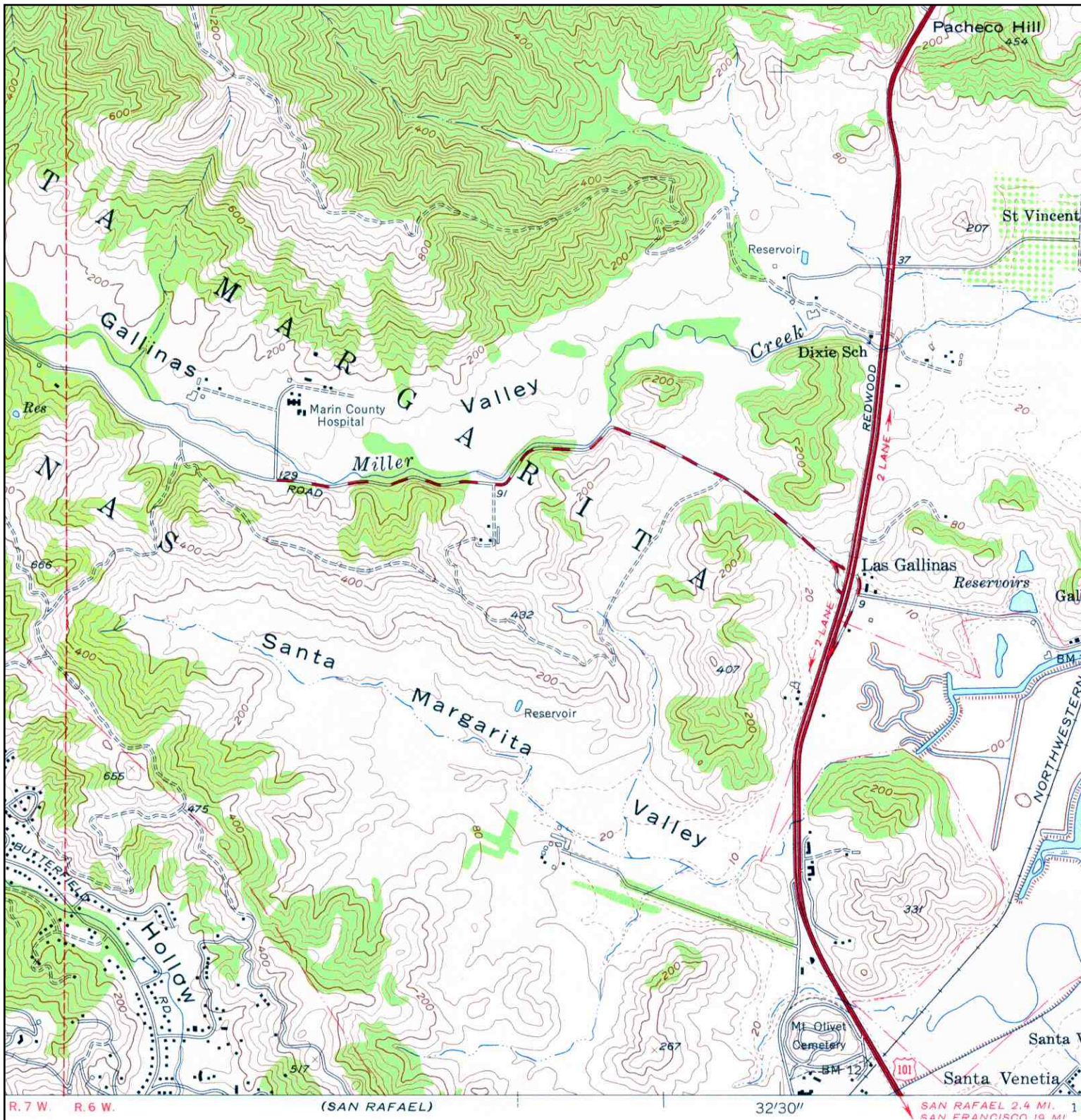
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Historical Topographic Map



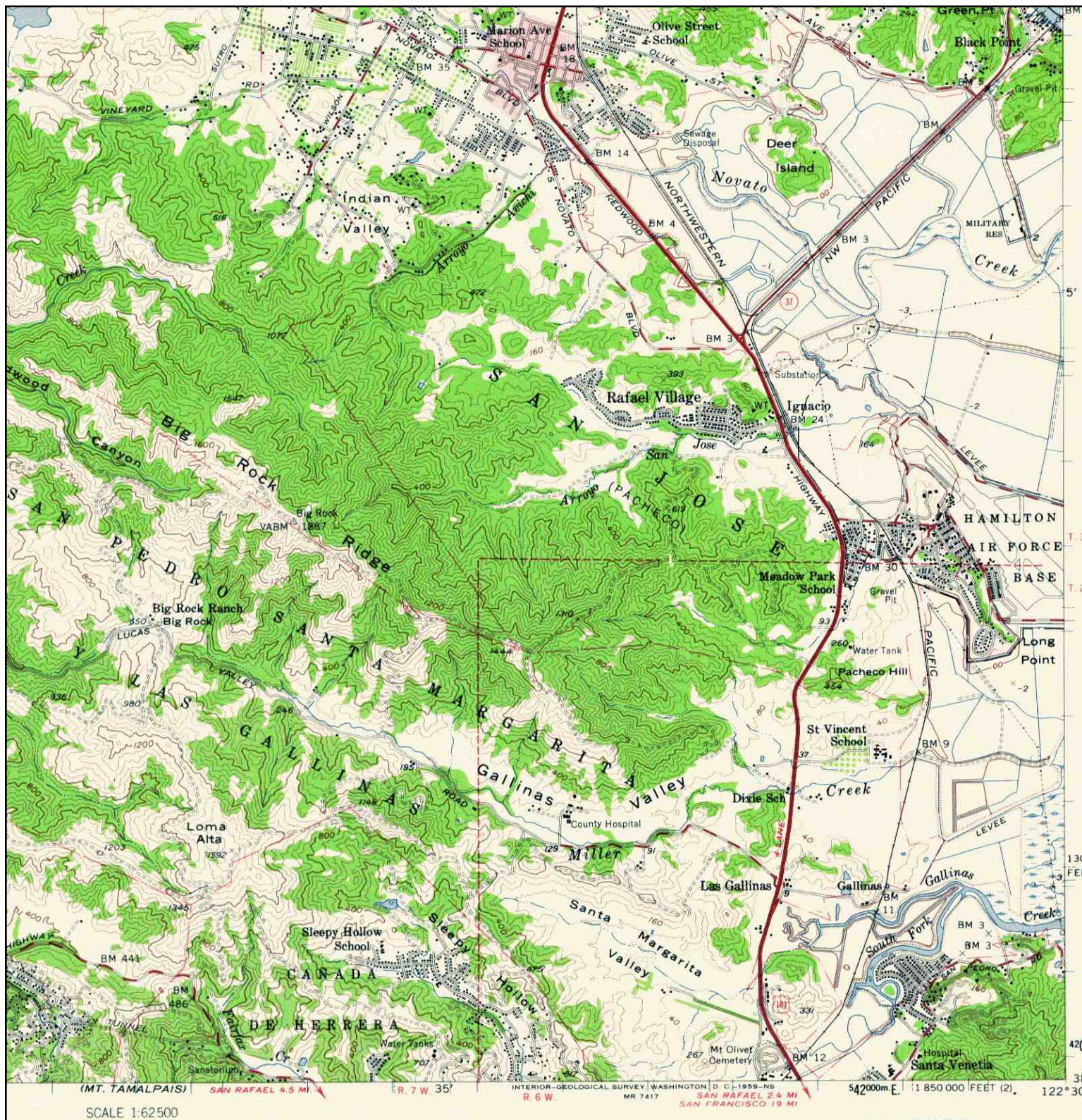
	TARGET QUAD	SITE NAME:	CLIENT:
	NAME: PETALUMA	Mervyns	Bureau Veritas North America, Inc.
	MAP YEAR: 1914	ADDRESS: 5010 Northgate Mall	CONTACT: Richard D. Fehler
	SERIES: 15	San Rafael, CA 94903	INQUIRY#: 2365738.142
	SCALE: 1:62500	LAT/LONG: 38.0051 / 122.5436	RESEARCH DATE: 11/18/2008

Historical Topographic Map



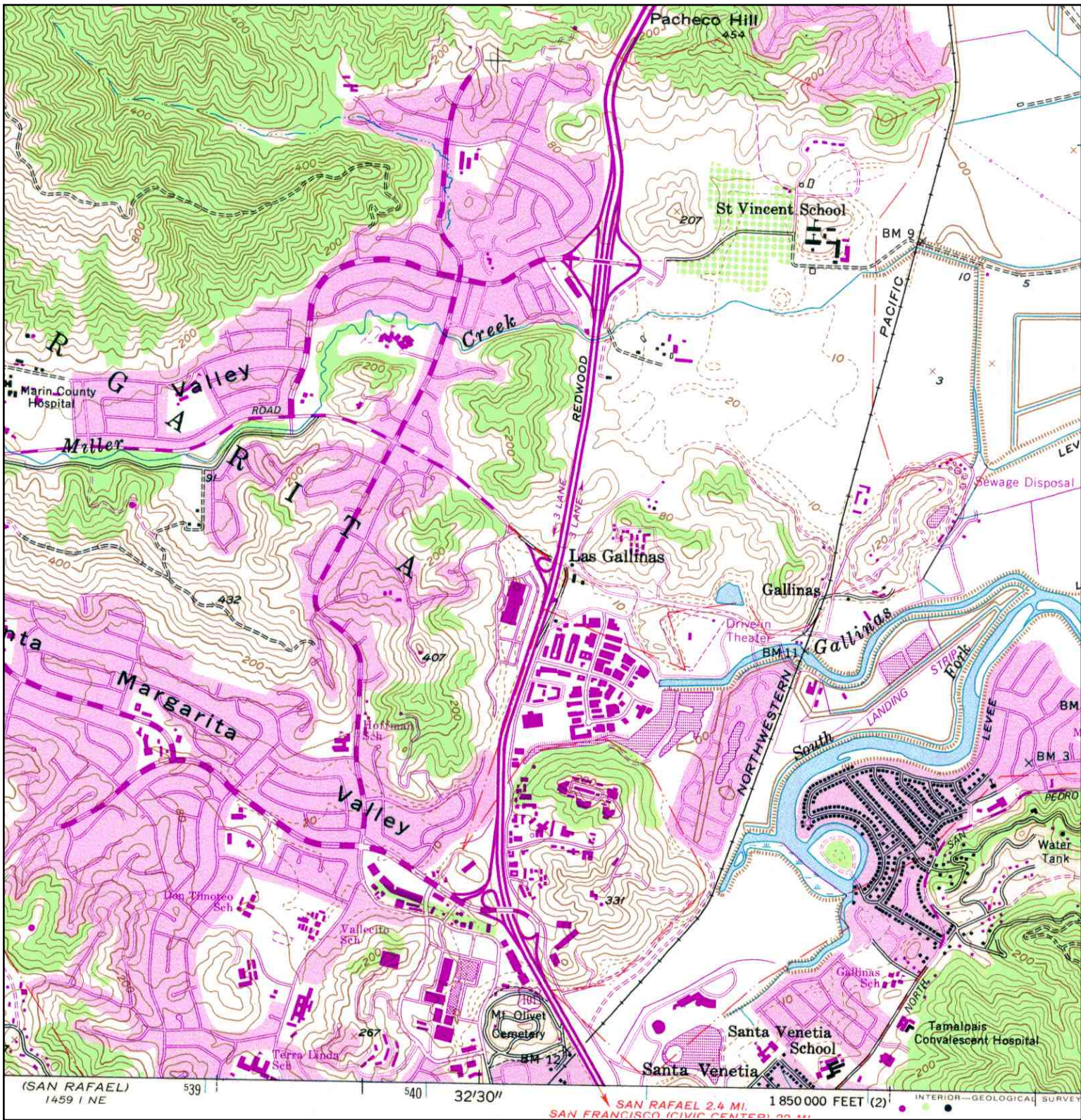
	TARGET QUAD	SITE NAME:	CLIENT:
	NAME: NOVATO	Mervyns	Bureau Veritas North America, Inc.
	MAP YEAR: 1954	ADDRESS: 5010 Northgate Mall	CONTACT: Richard D. Fehler
		San Rafael, CA 94903	INQUIRY#: 2365738.142
		LAT/LONG: 38.0051 / 122.5436	RESEARCH DATE: 11/18/2008
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



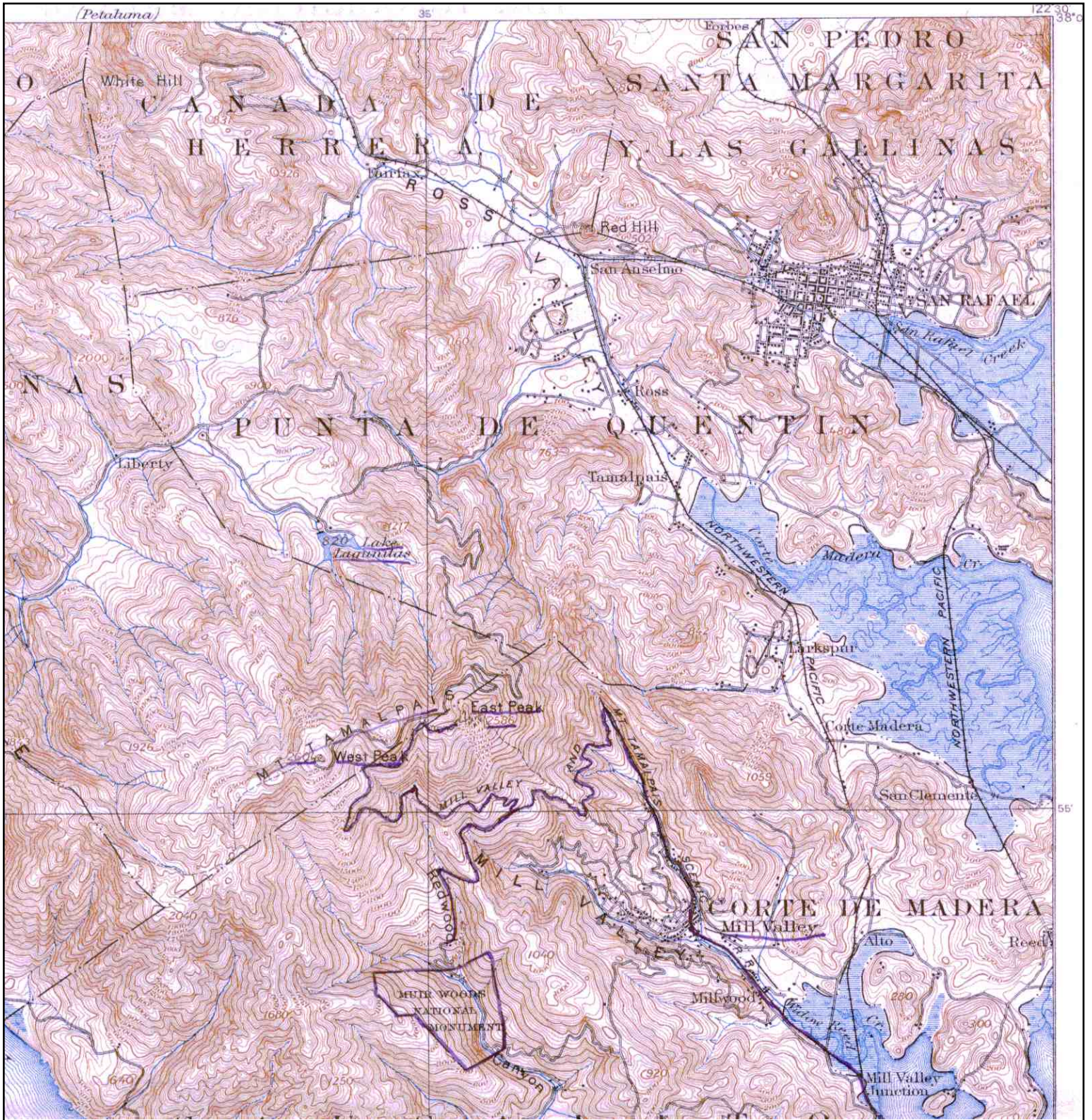
	TARGET QUAD	SITE NAME:	Mervyns	CLIENT:	Bureau Veritas North America, Inc.
	NAME: PETALUMA	ADDRESS:	5010 Northgate Mall	CONTACT:	Richard D. Fehlert
	MAP YEAR: 1954	LAT/LONG:	38.0051 / 122.5436	INQUIRY#:	2365738.142
	SERIES: 15			RESEARCH DATE:	11/18/2008
	SCALE: 1:62500				

Historical Topographic Map



	TARGET QUAD	SITE NAME:	Mervyns	CLIENT:	Bureau Veritas North America, Inc.
	NAME: NOVATO	ADDRESS:	5010 Northgate Mall	CONTACT:	Richard D. Fehler
	MAP YEAR: 1980	LAT/LONG:	38.0051 / 122.5436	INQUIRY#:	2365738.142
	PHOTOREVISED FROM: 1954			RESEARCH DATE:	11/18/2008
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



	ADJOINING QUAD	SITE NAME:	Mervyns	CLIENT:	Bureau Veritas North America, Inc.
	NAME: TAMALPAIS	ADDRESS:	5010 Northgate Mall	CONTACT:	Richard D. Fehler
	MAP YEAR: 1897		San Rafael, CA 94903	INQUIRY#:	2365738.142
		LAT/LONG:	38.0051 / 122.5436	RESEARCH DATE:	11/18/2008
	SERIES: 15				
	SCALE: 1:62500				


Historical Topographic Map



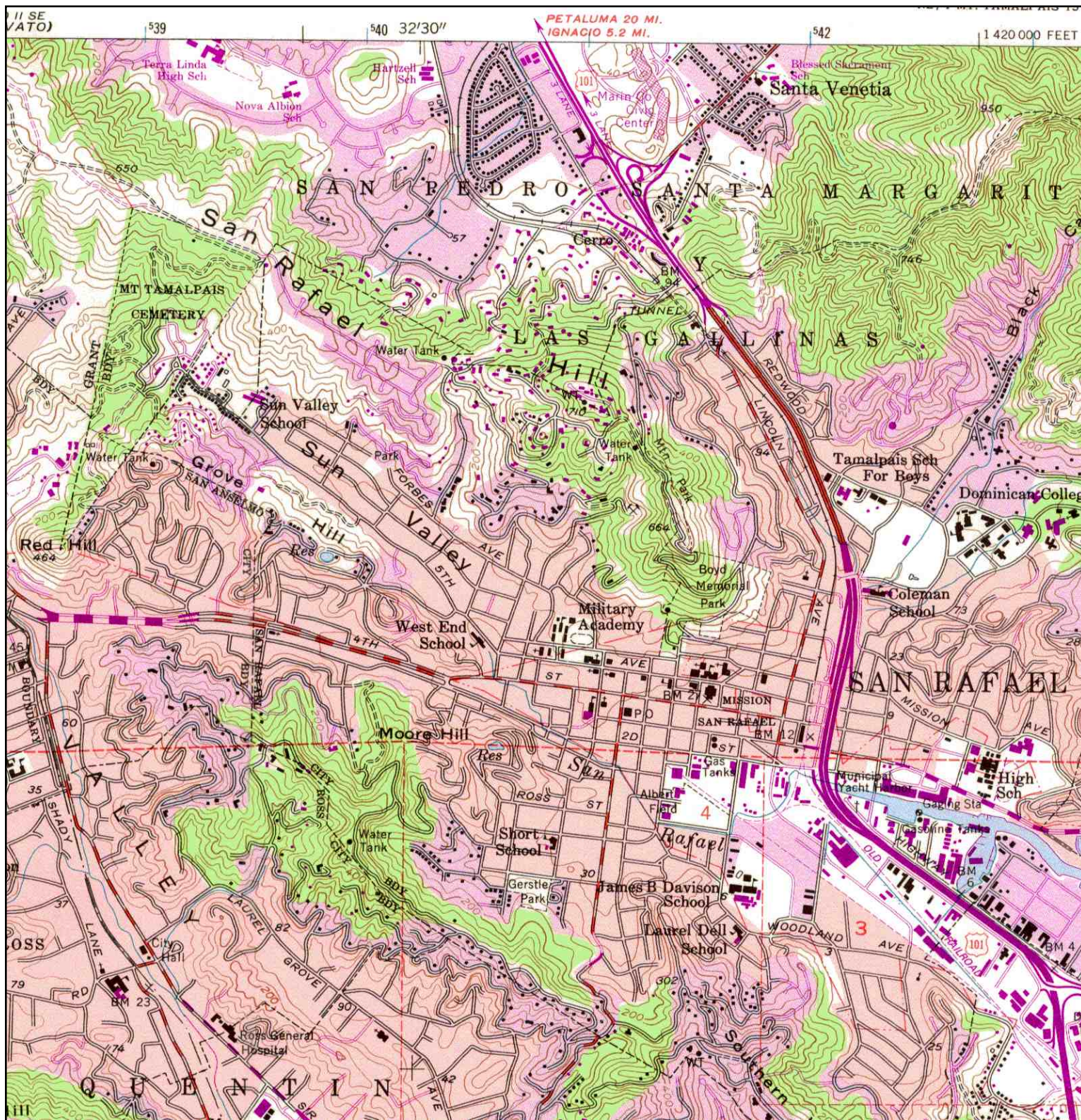
	ADJOINING QUAD	SITE NAME:	Mervyns	CLIENT:	Bureau Veritas North America, Inc.
	NAME: TAMALPAIS	ADDRESS:	5010 Northgate Mall	CONTACT:	Richard D. Fehler
	MAP YEAR: 1947		San Rafael, CA 94903	INQUIRY#:	2365738.142
		LAT/LONG:	38.0051 / 122.5436	RESEARCH DATE:	11/18/2008
	SERIES: 15				
SCALE: 1:50000					


Historical Topographic Map



	ADJOINING QUAD	SITE NAME:	Mervyns	CLIENT:	Bureau Veritas North America, Inc.	
	NAME:	MOUNT TAMALPAIS	ADDRESS:	5010 Northgate Mall	CONTACT:	Richard D. Fehler
	MAP YEAR:	1950		San Rafael, CA 94903	INQUIRY#:	2365738.142
	SERIES:	15	LAT/LONG:	38.0051 / 122.5436	RESEARCH DATE:	11/18/2008
	SCALE:	1:62500				

Historical Topographic Map



<p>N</p> 	ADJOINING QUAD	SITE NAME: Mervyns	CLIENT: Bureau Veritas North America, Inc.
	NAME: SAN RAFAEL	ADDRESS: 5010 Northgate Mall	CONTACT: Richard D. Fehler
	MAP YEAR: 1980	San Rafael, CA 94903	INQUIRY#: 2365738.142
	PHOTOREVISED FROM: 1954	LAT/LONG: 38.0051 / 122.5436	RESEARCH DATE: 11/18/2008
	SERIES: 7.5		
	SCALE: 1:24000		



APPENDIX E
FIRE INSURANCE MAPS



Mervyns

5010 Northgate Mall
San Rafael, CA 94903

Inquiry Number: 2365738.141

November 18, 2008

Certified Sanborn® Map Report

Certified Sanborn® Map Report

11/18/08

Site Name:

Mervyns
5010 Northgate Mall
San Rafael, CA 94903

Client Name:

Bureau Veritas North America,
6920 Koll Center Parkway
Pleasanton, CA 94566



EDR Inquiry # 2365738.141

Contact: Richard D. Fehler

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Bureau Veritas North America, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Mervyns
Address: 5010 Northgate Mall
City, State, Zip: San Rafael, CA 94903
Cross Street:
P.O. #
Project: 10008-008221.01
Certification # 7AAF-4615-A6F4



Sanborn® Library search results
Certification # 7AAF-4615-A6F4

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.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, 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 F
CITY DIRECTORIES

Mervyns

5010 Northgate Mall
San Rafael, CA 94903

Inquiry Number: 2365738.144
November 21, 2008

The EDR-City Directory Abstract

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

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

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1972 through 2008. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: November 21, 2008

Target Property:

5010 Northgate Mall
San Rafael, CA 94903

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1972	Street Not Listed in Research Source	Haines Criss-Cross Directory
1976	Street Not Listed in Research Source	Haines Criss-Cross Directory
1981	Street Not Listed in Research Source	Haines Criss-Cross Directory
1985	Street Not Listed in Research Source	Haines Criss-Cross Directory
1995	Mervyn's Ca Dpt Stores	Haines Criss-Cross Directory
2000	Mervyn's Ca Dpt Stores	Haines Criss-Cross Directory
2008	Mervyn's Ca Dpt Stores	Haines Criss-Cross Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
San Rafael, CA 94903

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1972	Street Not Listed in Research Source	Haines Criss-Cross Directory
1976	Street Not Listed in Research Source	Haines Criss-Cross Directory
1981	Street Not Listed in Research Source	Haines Criss-Cross Directory
1985	Street Not Listed in Research Source	Haines Criss-Cross Directory
1995	*Northgate Mall*	Haines Criss-Cross Directory
	Yogurt World USA (4980)	Haines Criss-Cross Directory
	Payless Shoesource (5015)	Haines Criss-Cross Directory
	Musicland (5020)	Haines Criss-Cross Directory
	Sbarros Italian Eatery (5030)	Haines Criss-Cross Directory
	Yes Burgers & Malts (5035)	Haines Criss-Cross Directory
	Claire's Boutiques (5040)	Haines Criss-Cross Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	No other addresses in (4900 - 5199) block Northgate Mall	Haines Criss-Cross Directory
2000	*Northgate Mall*	Haines Criss-Cross Directory
	Payless Shoesource (5015)	Haines Criss-Cross Directory
	Sbarros Italian Eatery (5030)	Haines Criss-Cross Directory
	Yes Burgers & Malts (5035)	Haines Criss-Cross Directory
	Fantasy Jewels (5040)	Haines Criss-Cross Directory
	No other addresses in (4900 - 5199) block Northgate Mall	Haines Criss-Cross Directory
2008	*Northgate Mall*	Haines Criss-Cross Directory
	Payless Shoesource (5015)	Haines Criss-Cross Directory
	Subway Mall (5035)	Haines Criss-Cross Directory
	Fantasy Jewels (5040)	Haines Criss-Cross Directory
	No other addresses in (4900 - 5199) block Northgate Mall	Haines Criss-Cross Directory



APPENDIX G
USER QUESTIONNAIRE



ASTM PRACTICE E 1527-05 USER/CLIENT QUESTIONNAIRE
To be returned to Bureau Veritas with the authorized proposal

Providing the following information (if available) to the *environmental professional* (Bureau Veritas) is one of the requirements to qualify for one of the *Landowner Liability Protections* offered under CERCLA. Missing or incomplete information could result in a determination that "all *appropriate inquiry*" is not complete.

GENERAL INFORMATION

User/Client Name(s): **MACERICH**

Property Name and Address: **Mervyn's Portfolio**

Property Type: **Retail**

Type of Property Transaction: **Real Estate**

Reason Phase I is Required: **R.E. transaction**

Site Contact(s): **provided via spreadsheet**

REQUIRED INFORMATION

The citation at the end of each item (e.g., 40 CFR 312.XX) is the section of EPA's November 1, 2005 AAI Final Rule which discusses that item.

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

NO



ASTM PRACTICE E 1527-05 USER/CLIENT QUESTIONNAIRE
To be returned to Bureau Veritas with the authorized proposal

2. Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

NO

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the *user* of this *ESA* 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 specialized knowledge of the chemicals and processes used by this type of business?

NO



ASTM PRACTICE E 1527-05 USER/CLIENT QUESTIONNAIRE
To be returned to Bureau Veritas with the authorized proposal

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

→ YES

NO

5. Commonly known or reasonably ascertainable information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases?

For example, as *user*,

(a.) Do you know the past uses of the *property*? NO

(b.) Do you know of specific chemicals that are present or once were present at the *property*? NO

(c.) Do you know of spills or other chemical releases that have taken place at the *property*? NO

(d.) Do you know of any environmental cleanups that have taken place at the *property*? NO



ASTM PRACTICE E 1527-05 USER/CLIENT QUESTIONNAIRE
To be returned to Bureau Veritas with the authorized proposal

6. The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *user* of this *ESA*, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

NO

7. Proceedings involving the *property* (ASTM E 1527-05 § 10.9).

Are you aware of any of the following:

(a.) Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? NO

(b.) Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? NO

(c.) Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? NO



ASTM PRACTICE E 1527-05 USER/CLIENT QUESTIONNAIRE
To be returned to Bureau Veritas with the authorized proposal

SIGNATURE

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that Bureau Veritas will evaluate and rely on this information in the development of the final Phase I ESA report.

Questionnaire Prepared
By:



Print/Type Name:

Aladdin Ghafari
AVP, Environmental Affairs

Title:

Company:

MALERICA

Date:

11.19.08



APPENDIX H
AGENCY DOCUMENTS

October 16, 2008

Mr. Ralph Lambert
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

RE: **Quarterly Summary Report - Third Quarter 2008**
Case No. 21-0391

Dear Mr. Lambert:



On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting the Quarterly Summary Report - Third Quarter 2008 and forwarding a copy of TRC Solutions, Inc. (TRC's) *Quarterly Monitoring Report, July through September*, dated October 3, 2008, for the following location:

Service Station

76 Service Station No. 4774

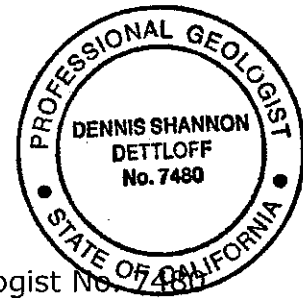
Location

921 Del Presidio Boulevard
San Rafael, California

Sincerely,
DELTA CONSULTANTS

A handwritten signature in black ink that reads "Dennis S. Dettloff". The signature is fluid and cursive.

Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480



Enclosure

cc: Mr. Ted Moise - ConocoPhillips (electronic copy)
Mr. Armando Alegria, Marin County Health Department

QUARTERLY SUMMARY REPORT
Third Quarter 2008
76 Service Station No. 4774
921 Del Presidio Boulevard
San Rafael, California

SITE DESCRIPTION

The site is located at the northwest corner of Del Presidio Boulevard and Las Gallinas Avenue in San Rafael, California. Two gasoline underground storage tanks (USTs) are present in the south central portion of the site and two dispenser islands are present adjacent to the USTs. A station building with a carwash facility is present along the northwest portion of the site. Properties in the immediate vicinity of the site are utilized for commercial and residential purposes.

PREVIOUS ASSESSMENT

September 2007 - Five borings were advanced by ATC. Soil samples were collected from borings B-2 and B-5. Total petroleum hydrocarbons as gasoline (TPHg) were present at concentrations of 0.3 milligrams per kilogram (mg/kg) and 6.1 mg/kg at 10 feet below ground surface (bgs) in borings B-2 and B-5, respectively. Total petroleum hydrocarbons as diesel (TPHd) was present at a concentration of 5.2 mg/kg at 10 feet bgs in boring B-2. Benzene, toluene, ethyl-benzene, and total xylenes (BTEX) were present at concentrations of 0.002 mg/kg, 0.001 mg/kg, 0.003 mg/kg, and 0.018 mg/kg, respectively at 10 feet bgs in boring B-5. The benzene, toluene, and ethyl-benzene values were estimated.

Groundwater samples were collected from all five borings. TPHg was present in samples collected from borings B-1, B-4, and B-5 at concentrations of 69 micrograms per liter ($\mu\text{g/L}$), 4,600 $\mu\text{g/L}$, and 970 $\mu\text{g/L}$, respectively. TPHd was present in samples collected from borings B-1, B-2, B-3, B-4, and B-5 at concentrations of 4,900 $\mu\text{g/L}$, 1,800 $\mu\text{g/L}$, 7,400 $\mu\text{g/L}$, 12,000 $\mu\text{g/L}$, and 9,200 $\mu\text{g/L}$, respectively. Benzene was present in samples collected from borings B-4 and B-5 at concentrations of 20 $\mu\text{g/L}$ and 18 $\mu\text{g/L}$, respectively. Methyl tertiary butyl ether (MTBE) was present in samples collected from borings B-1, B-2, B-4, and B-5 at concentrations of 2 $\mu\text{g/L}$, 3 $\mu\text{g/L}$, 250 $\mu\text{g/L}$, and 18 $\mu\text{g/L}$, respectively.

March 2008 - Three monitoring wells (MW-1 through MW-3) were installed at the site. volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and poly chlorinated biphenyl's (PCBs) were below the laboratory's indicated reporting limits in the soil samples collected from boring MW-1 at depths of 5.5 feet bgs and 10 feet bgs. Metals were reported in the soil samples collected from boring MW-1; however, the concentrations appeared consistent with background levels.

Total oil and grease (TOG) was reported in the soil samples collected from boring MW-1 at concentrations of 12,000 mg/kg at 5.5 feet bgs and 58 mg/kg at 10 feet bgs. TPHd was reported in the soil samples collected from boring MW-1 at concentrations of 39 mg/kg at 5.5 feet bgs and 2.2 mg/kg at 10 feet bgs; boring MW-2 at a concentration of 10 mg/kg at 10 feet bgs; and boring MW-3 at a concentrations of 34 mg/kg at 5.5 feet bgs. Total purgeable petroleum hydrocarbons (TPPH), toluene, and total xylenes were reported at concentrations of 0.21 mg/kg, 0.0064 mg/kg, and 0.014 mg/kg, respectively, in the soil sample collected from boring MW-3 at a depth of 5.5 feet bgs.

TPPH and tertiary butyl alcohol (TBA) were reported at concentrations of 0.35 mg/kg and 0.29 mg/kg, respectively, in the soil sample collected from boring MW-2 at a depth of 5 feet bgs. All other constituents analyzed in the soil samples submitted for analysis from the three borings were below the laboratory's indicated reporting limits.

SENSITIVE RECEPTORS

A sensitive receptor survey is currently being conducted for this site.

SITE GEOLOGY AND HYDROGEOLOGY

The subject site is located in the San Francisco Bay region in the north-central Coast Range and is underlain by interbedded Holocene age alluvial fan deposits. These deposits are composed of unconsolidated deposits of sand and silt in a clay matrix with some fine-gravels.

Data from the previous investigations indicate the static depth to groundwater on-site varies from approximately 3 to 11 feet bgs. The groundwater flow direction as indicated from data collected during quarterly sampling conducted by TRC ranges from north to the northwest.

MONITORING AND SAMPLING

Quarterly monitoring began at the site in March 2008. Groundwater samples are collected from monitoring wells MW-1 through MW-3 and analyzed for TPHd by Environmental Protection Agency (EPA) Method 8015M, TPPH, BTEX, MTBE, di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), TBA, 1,2-dichloroethane (1,2-DCA), ethylene di-bromide (EDB), and ethanol - (8 oxygenates) by EPA Method 8260. Groundwater samples are additionally collected from monitoring well MW-1 and analyzed for total oil and grease (TOG) by EPA Method 1664, VOCs by EPA Method 8260, SVOCs by EPA Method 8270C, PCBs by EPA Method 8082, and CAM 17 Metals.

TRC has been contracted to perform the monitoring and sampling at the site. A copy of TRC's *Quarterly Monitoring Report-July through September 2008*, dated October 3, 2008, has been forwarded with this report. Groundwater elevation data from the neighboring Chevron and Shell service station are also included in the attached TRC report.

THIRD QUARTER 2008 MONITORING AND SAMPLING RESULTS

The third quarter 2008 monitoring and sampling event was performed by TRC on September 3, 2008. All three monitoring wells associated with the site were monitored and sampled. The groundwater elevation in site monitoring wells decreased an average of 1.19 feet from the June 2008 sampling event. Depth to groundwater in site monitoring wells ranged from 7.60 feet (MW-2) to 11.28 feet (MW-1) below top of casing (TOC). The groundwater flow direction and gradient were interpreted to be to the northwest at 0.03 foot per foot (ft/ft), compared with 0.04 ft/ft to the northwest during the June 2008 sampling event. A rose diagram presenting historic groundwater flow directions is presented as Attachment A.

Contaminants of Concern:

- **TPPH:** TPPH was above the laboratory's indicated reporting limit in the groundwater sample collected from monitoring well MW-2 at a concentration of 150 µg/L.
- **TPHd:** TPHd was above the laboratory's indicated reporting limit in the groundwater sample collected from monitoring wells MW-1 and MW-2 at concentrations of 98 µg/L and 70 µg/L, respectively.
- **Benzene:** Benzene was below the laboratory's indicated reporting limit in each of the groundwater samples collected from the three site monitoring wells.
- **MTBE:** MTBE was above the laboratory's indicated reporting limit in the groundwater samples collected from monitoring wells MW-1, MW-2, and MW-3 at concentrations of 14 µg/L, 6.8 µg/L, and 4.6 µg/L, respectively.
- **TBA:** TBA was above the laboratory's indicated reporting limit in the groundwater sample collected from monitoring well MW-2 at a concentration of 240 µg/L.

Analytical results from the additional groundwater samples collected for analysis from monitoring well MW-1 indicate that PCBs, TOG, SVOCs, and with the exception of the VOCs discussed above are not present above the laboratory's indicated reporting limits. In addition, metals, barium (43 µg/L) and nickel (12 µg/L) were reported in the groundwater samples submitted for analysis. All other constituents tested were below the laboratory's indicated reporting limits.

REMIEDIATION STATUS

Active remediation is currently not being conducted at this site.

CHARACTERIZATION STATUS

Based on historical soil sampling analytical results the extent of the petroleum hydrocarbon impacted soil appears to have been delineated.

Based on the groundwater monitoring results, only low concentrations of TPHd, TPHg, and MTBE remain in groundwater beneath the site and based on this data the extent of the petroleum hydrocarbon impact beneath the site has been delineated.

However, the groundwater sample from boring B-4, during the due diligence investigation, was collected from shallow groundwater encountered at a depth of 5 feet bgs and contained TPHg and TPHd at concentrations of 4,600 µg/L and 12,000 µg/L, respectively. Groundwater samples collected from monitoring well MW-2 located approximately 8 feet northeast of boring B-4 contained maximum TPHg and TPHd concentrations of 180 µg/L and 76 µg/L, respectively.

Therefore, Delta in the site conceptual model submitted on October 10, 2008 recommended additional investigation to fill in data gaps in the existing data.

DISCUSSION

COP is currently attempting to obtain ownership of monitoring well EA-11 from Valero.

RECENT CORRESPONDENCE

On July 21, 2008 the Regional Water Quality Control Board (RWQCB) submitted a letter to COP requesting that a site conceptual model (SCM) be prepared for the site.

THIRD QUARTER 2008 ACTIVITIES

1. TRC performed quarterly groundwater monitoring and sampling on September 3, 2008.
2. Delta on behalf of COP submitted a site conceptual model describing known site conditions and recommending additional investigation to fill in data gaps.

FOURTH QUARTER 2008 ACTIVITIES

1. TRC to perform quarterly monitoring and sampling activities.

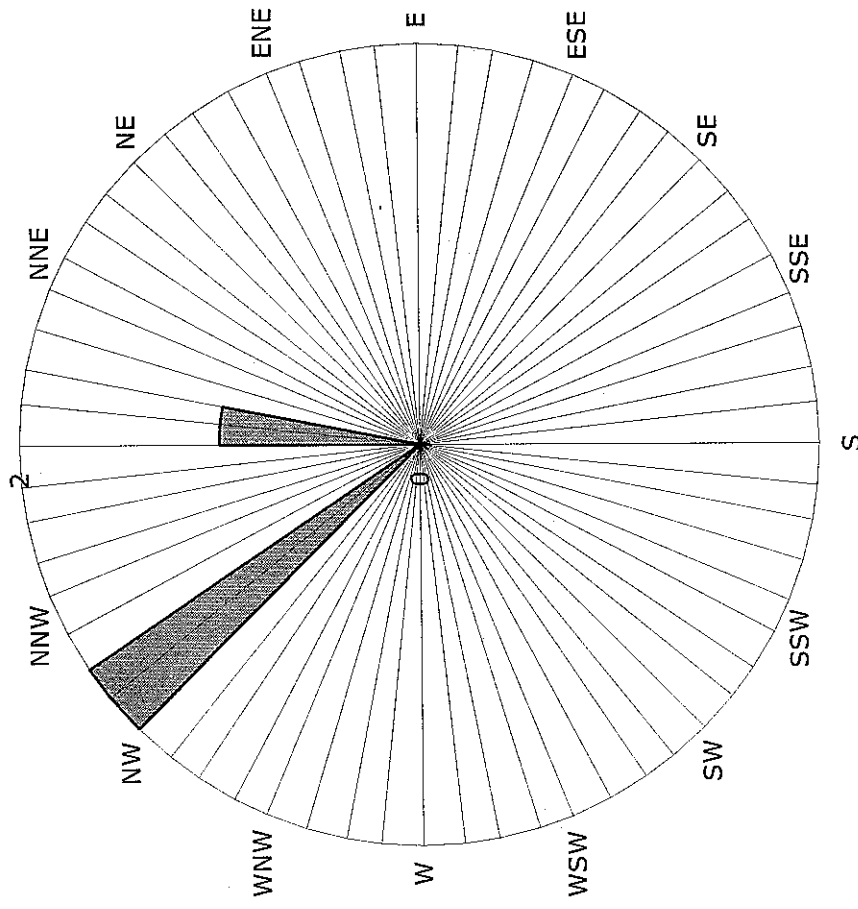
CONSULTANT: Delta Consultants

Attachment A – Historic Groundwater Flow Directions

Attachment A

Historic Groundwater Flow Directions

Historic Groundwater Flow Directions
ConocoPhillips Site No. 4774
 921 Del Presidio Boulevard
 San Rafael, California



Legend
 Concentric circles represent
 quarterly monitoring events
 First Quarter 2008 through
 Third Quarter 2008
 3 data points shown

Groundwater Flow Direction



**Groundwater
& Environmental Services, Inc.**

5046 Commercial Circle • Suite F • Concord, California 94520 • (925) 825-1440 • Fax (925) 825-2021

Project 3000048

August 21, 2008

Mr. Ralph Lambert
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

**RE: Quarterly Monitoring Report – Second Quarter 2008
Valero Station #13781
930 Del Presidio Blvd,
San Rafael, California**

Dear Mr. Lambert:

Groundwater & Environmental Services, Inc. (GES) has been retained by Valero Marketing and Supply Company (Valero) to perform groundwater monitoring of the above site. This report summarizes quarterly groundwater data collected June 10, 2008 and June 11, 2008, in accordance with reporting requirements of the Regional Water Quality Control Board. Historical monitoring data from the site has been incorporated into this report.

If you have any questions or concerns regarding this report, please contact the undersigned at (925) 825-1440.

Sincerely,
Groundwater & Environmental Services, Inc.

A handwritten signature in black ink, appearing to read 'Mark C. Peterson', is written over a horizontal line.

Mark C. Peterson, CEG #2085
Principal Hydrogeologist

Attachments: Quarterly Monitoring Report – Second Quarter 2008

cc: Robert Ehlers Valero Energy Corporation, One Valero Way, San Antonio, TX 78249-1616
Mark Williams, Las Gallinas Valley Sanitary Sewer District, 300 Smith Ranch Rd, San
Rafael, CA 94903

**VALERO MARKETING AND SUPPLY COMPANY
SECOND QUARTER 2008 GROUNDWATER MONITORING REPORT**

SITE ADDRESS:	Valero Station #13781 930 Del Presidio Blvd San Rafael, CA	REGULATORY AGENCY:	Regional Water Quality Control Board, San Francisco Bay Region
REMEDIA- TION SYSTEM:	Inactive	REGULATORY CONTACT:	Ralph Lambert
VALERO CONTACT:	Robert Ehlers	REGULATORY CASE #:	21-0048
		LOCAL OVERSIGHT:	Las Gallinas Valley Sanitary Sewer District
		GEOTRACKER GLOBAL ID:	Mark Williams T0604100047

GAUGING DATE: June 10, 2008
SAMPLING DATE: June 10-11, 2008
REPORT DATE: August 19, 2008
CURRENT SITE STATUS: Active Valero-branded service station
MONITORING PERIOD: Second Quarter 2008

WORK PERFORMED:

Groundwater wells were gauged, sampled and analyzed for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), methyl tert-butyl ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and tert-butyl alcohol (TBA).

GROUNDWATER MONITORING:

Number of Wells: 15
Liquid Phase Hydrocarbons (LPH): None observed
Gauging Frequency: All wells Quarterly
Sampling Frequency: 10 Wells Quarterly, 5 Wells Annually
Groundwater Depth: Between 2 and 7 feet below ground surface
Groundwater Flow: Southwest
Hydraulic Gradient: 0.027 ft/ft

CURRENT STATUS/PLANS/RECOMMENDATIONS

All groundwater monitoring wells were gauged and fourteen wells were sampled; well EA4 was not sampled this quarter. Benzene was detected in four wells with a maximum concentration of 200 micrograms per liter ($\mu\text{g/L}$) in well EA7. TPH-g was detected in six wells, with a maximum concentration of 2,100 $\mu\text{g/L}$ in well EA7. MTBE was detected in ten wells with a maximum detected concentration of 140 $\mu\text{g/L}$ in well EA7. TBA was detected in eight wells with a maximum concentration of 1,500 $\mu\text{g/L}$ in well EA1.

The site has been recommended for closure and California Regional Water Quality Control Board personnel has approved well destructions. Wells EA1, EA2, EA3, EA4, EA5, EA7, EA8, EA10, EA12, EA13, EA14, and EA15 will be destroyed in accordance with well destruction permits by either grouting in place or drilling out. The wells will be destroyed upon receipt of well destruction permits.

Ownership of wells EA9, EA11, and EA16 will be transferred to other companies for continued monitoring.

SITE SPECIFIC GEOLOGY/HYDROGEOLOGY:

This site is located in the San Rafael Groundwater Basin. Sediments beneath the site are composed of discontinuous layers of gravels, sands and clays over poorly cemented mudstone bedrock. Regionally, groundwater flows southeast towards San Francisco Bay. The site is approximately 25 feet above sea level.

POTENTIAL SENSITIVE RECEPTORS:

According to an archive search of Department of Water Resources, there are no wells within 1,000 feet of this site.

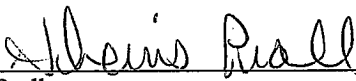
BACKGROUND

This site has been in use as a service station since 1963. In 1987, when four steel, single-walled underground storage tanks (USTs) were removed, a hole in one of the tanks was observed, with product in the excavated tank pit. The steel tanks were replaced by three single-walled fiberglass gasoline USTs, one single-walled fiberglass diesel UST, and one single-walled fiberglass used oil tank UST. At this time four monitoring wells were installed, with the additional wells being added in 1988, 1991, and 1995. In 1993 a groundwater extraction and treatment system was installed.


REMEDIATION SYSTEM SUMMARY:

The current groundwater extraction system consists of one 6-inch groundwater extraction well (EA5), a pneumatic extraction pump, and three 1,000-pound aqueous-phase granular activated carbon canisters.

GES took over remedial operations from Environmental Resolutions, Inc. in January 2007, and applied for system discharge permits from Las Gallinas Valley Sanitary District. The remediation system was non-operational in the first quarter of 2007. The remediation system was started May 23, 2007. Since that time, the system has maintained a 100% uptime. The system was shut down on March 20, 2008 due to low hydrocarbon concentrations in the influent and on site. During the life of the treatment system a total of 860,294 gallons of water was recovered, treated, and discharged. Of that total, 113,684 gallons of water was treated and discharged while GES operated the system. The approximate total hydrocarbon mass recovery by the treatment system during this period of time was 0.27 pounds.



Sherris Prall
Project Manager



Mark C. Peterson, CEG 2085
Principal Hydrogeologist

Attachments:**Figures:**

- Figure 1 – Site Location Map
- Figure 2 – Groundwater Elevation Map
- Figure 3 – Analytical Distribution Map
- Figure 4 – Benzene Isoconcentration Map
- Figure 5– TPH-g Isoconcentration Map
- Figure 6 – MTBE Isoconcentration Map
- Figure 7 – TBA Isoconcentration Map

Hydrographs for Wells EA1, EA2, EA3, EA5, EA7, EA8, EA9, EA15

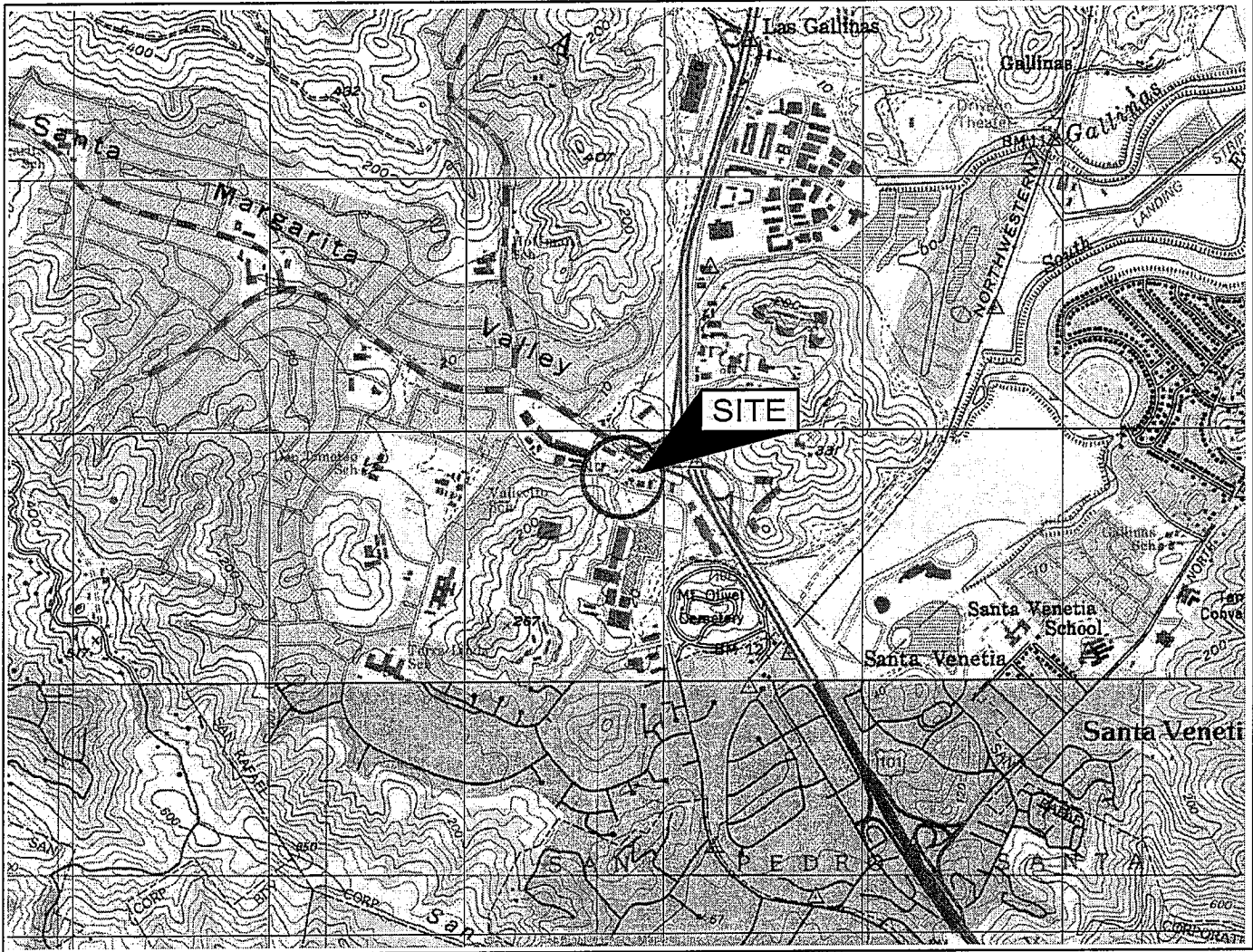
Tables:

- Table 1 – Well Construction Details
- Table 2 – Cumulative Groundwater Sampling Data
- Table 3 – Additional Cumulative Groundwater Sampling Data
- Table 4 – San Rafael System Operation

Field Protocols
Field Sheets
Lab Report



FIGURES



SOURCE: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLE 1980
 NOVATO, CALIFORNIA
 CONTOUR INTERVAL = 40'



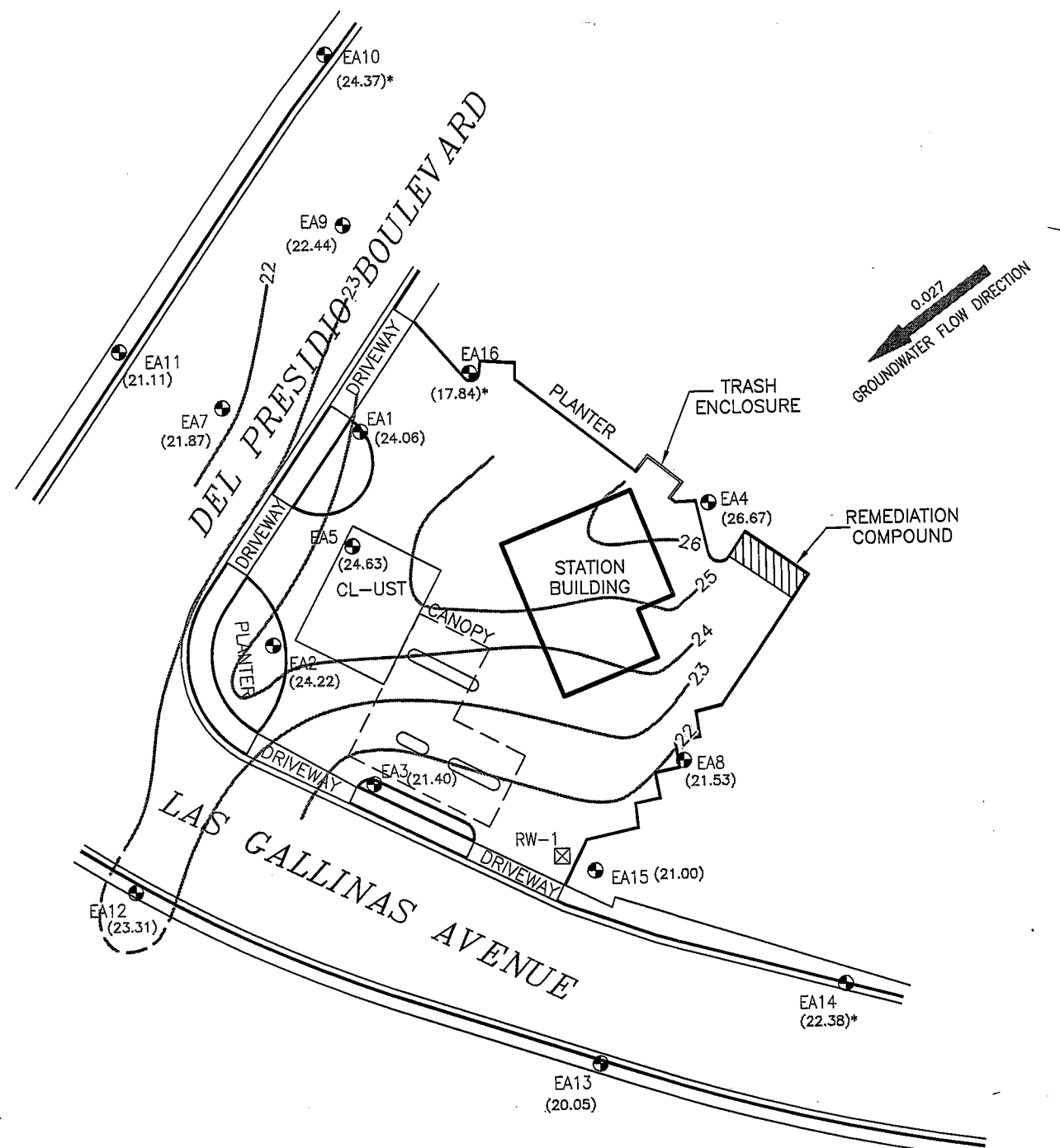
QUADRANGLE LOCATION

LAT. 37° 59' 55.54" N
 LONG. 122° 30' 33.35" W
 (APPROXIMATE SITE COORDINATES)

DRAFTED BY: M.J.L. (S.D.)	SITE LOCATION MAP					
CHECKED BY:				VALERO STATION #13781		
REVIEWED BY:				930 DEL PRESIDIO		
	SAN RAFAEL, CALIFORNIA					
NORTH 	Groundwater & Environmental Services, Inc.					
	5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520					
	SCALE IN FEET 	DATE 6/2007	FIGURE 1			

LEGEND

- DISPENSER ISLAND
- MONITORING WELL
- RECOVERY WELL
- (20.05) GROUNDWATER ELEVATION (feet)
- * NOT USED FOR CONTOURING
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER GRADIENT DIRECTION

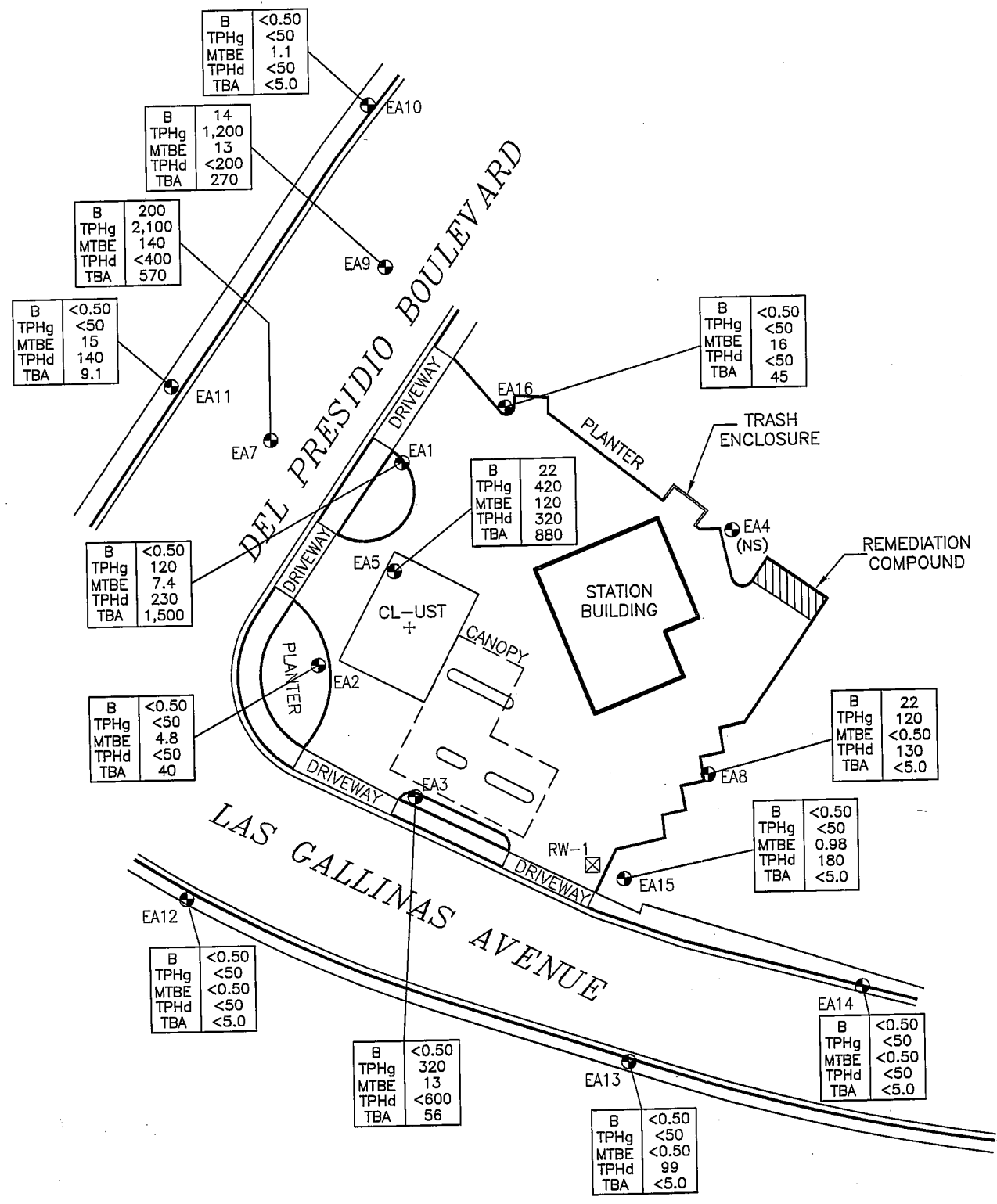


DRAFTED BY: E.V. (N.J.)	GROUNDWATER ELEVATION MAP JUNE 10, 2008	
CHECKED BY:	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	
NORTH 	SCALE IN FEET 	DATE 7-10-08
		FIGURE 2

LEGEND

- DISPENSER ISLAND
- MONITORING WELL
- RECOVERY WELL
- B BENZENE
- TPHg TOTAL PETROLEUM HYDROCARBON (gas)
- TPHd TOTAL PETROLEUM HYDROCARBON (diesel)
- MTBE METHYL *tert*-BUTYL ETHER
- TBA *tert*-BUTYL ALCOHOL
- NS NOT SAMPLED







ANALYTICAL RESULTS IN
MICROGRAMS PER LITER (ug/L)

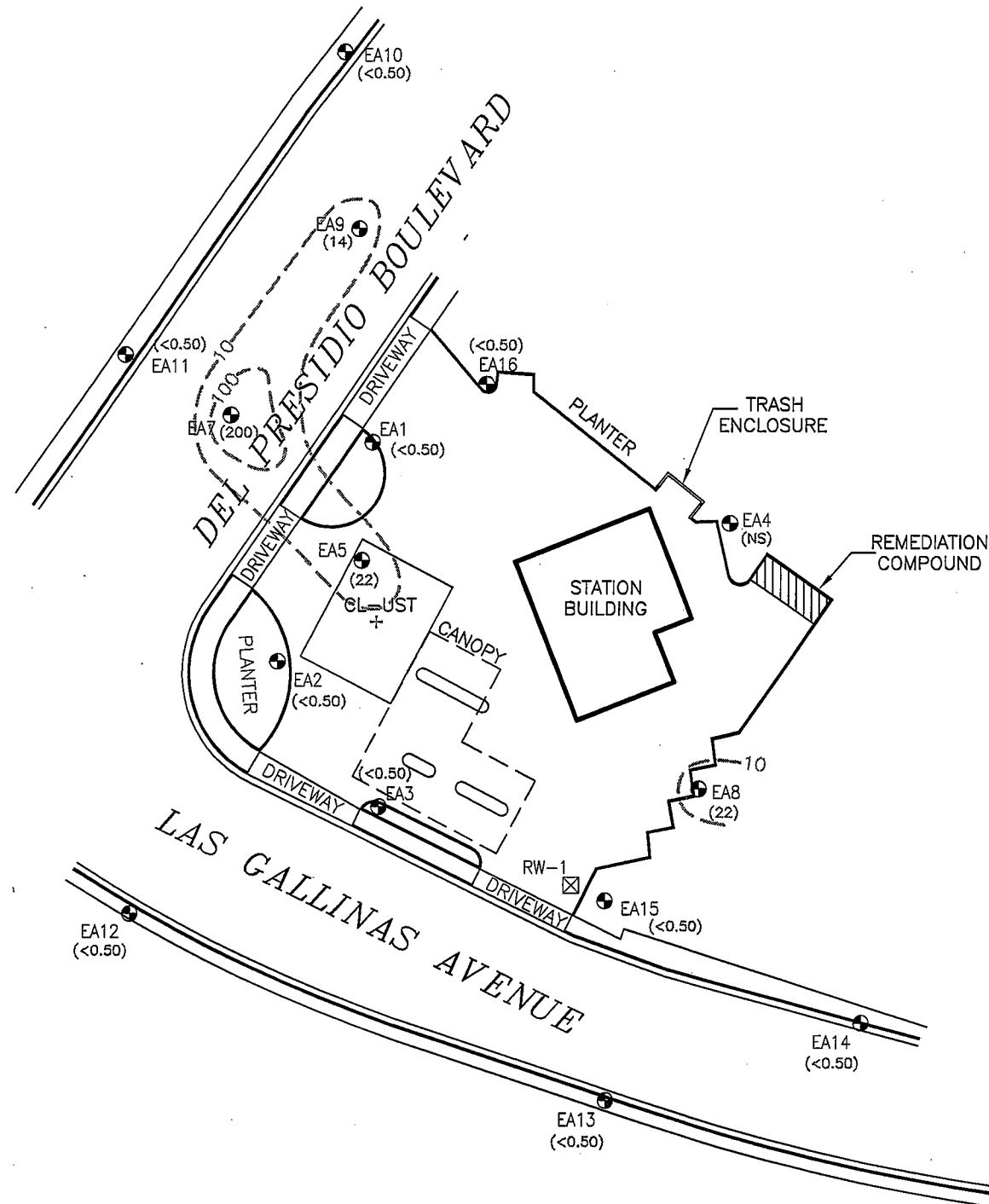


DRAFTED BY: E.V. (N.J.)	ANALYTICAL DISTRIBUTION MAP JUNE 10, 2008	
CHECKED BY:	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	
NORTH 	SCALE IN FEET 0 APPROXIMATE 50	DATE 7-10-08
		FIGURE 3





LEGEND

-  DISPENSER ISLAND
 -  MONITORING WELL
 -  RECOVERY WELL
 -  (<0.50) BENZENE CONCENTRATION (ug/L)
 -  BENZENE CONCENTRATION CONTOUR (ug/L)
 -  (NS) NOT SAMPLED
- ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)

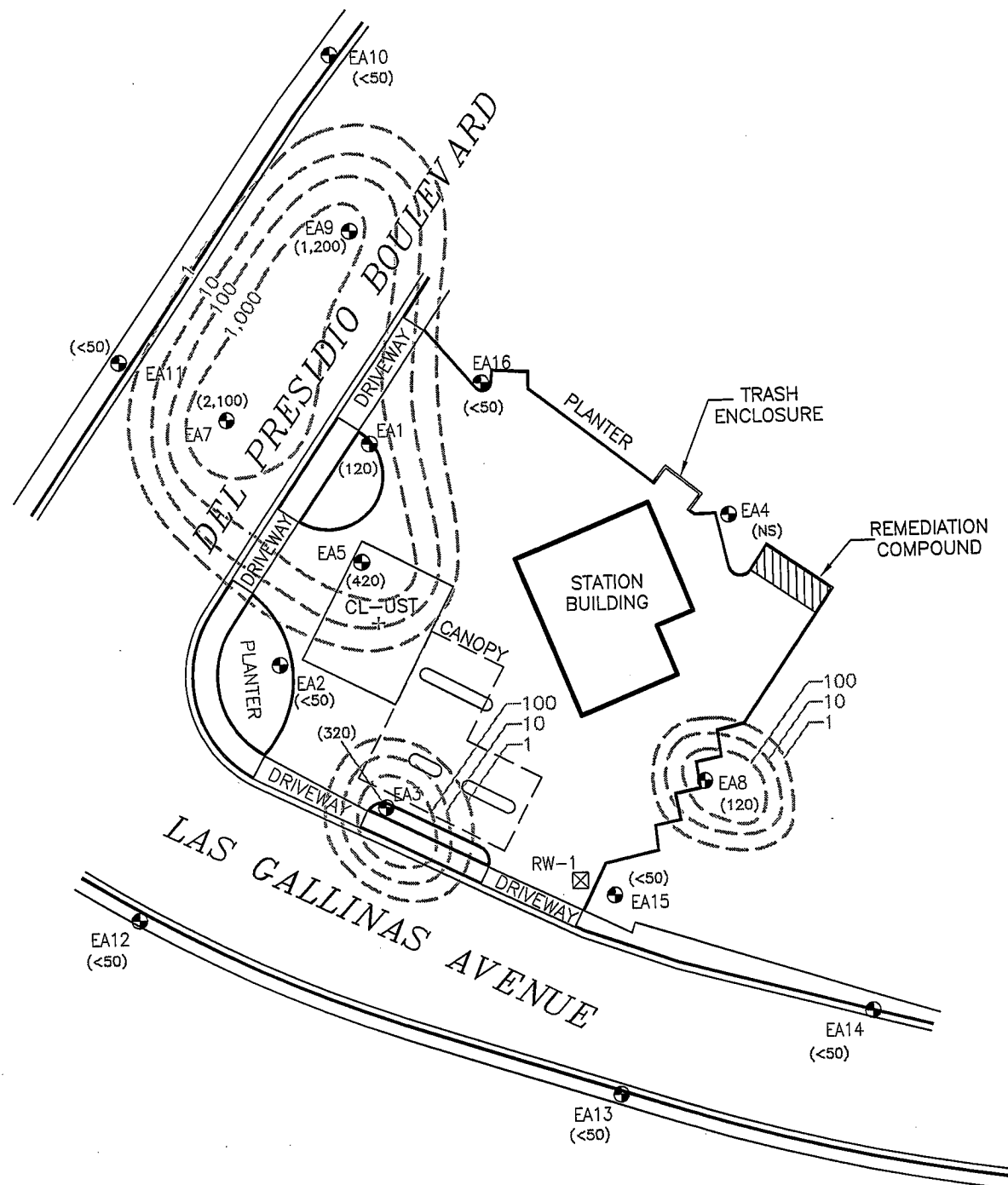


M:\Graphics\3000-CA-North\Valero\San Rafael, CA\13781 San Rafael SM.dwg, SM-50, EVega

DRAFTED BY: E.V. (N.J.)	BENZENE ISOCONCENTRATION MAP JUNE 10, 2008	
CHECKED BY:	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	
REVIEWED BY:		
NORTH 	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	
	SCALE IN FEET  0 APPROXIMATE 50	DATE 7-10-08

LEGEND

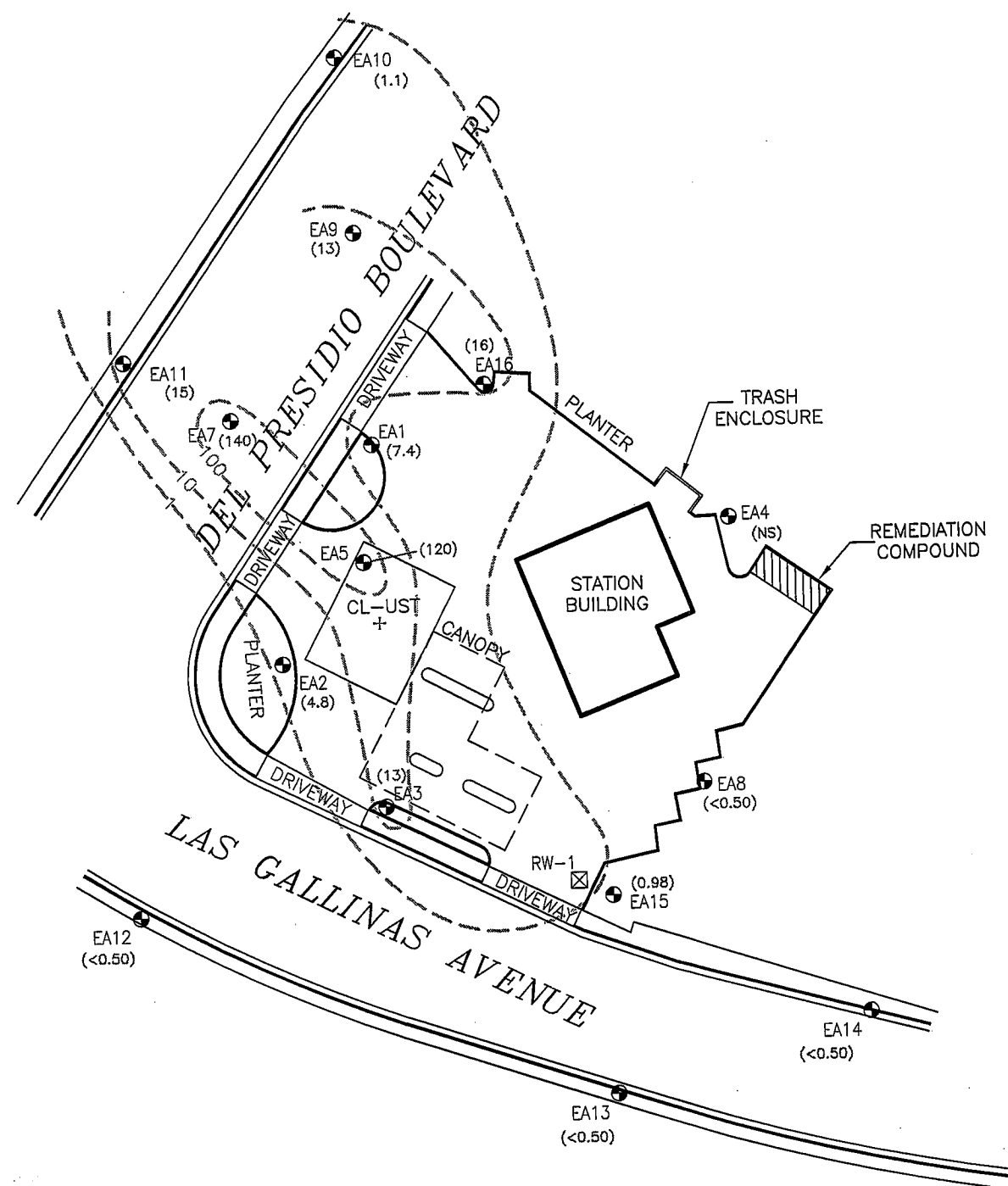
- DISPENSER ISLAND
 - MONITORING WELL
 - RECOVERY WELL
 - (<50) TPHG CONCENTRATION (ug/L)
 - TPHG CONCENTRATION CONTOUR (ug/L)
 - (NS) NOT SAMPLED
- ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)



DRAFTED BY: E.V. (N.J.)	TPHg ISOCONCENTRATION MAP JUNE 10, 2008		
CHECKED BY:	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA		
REVIEWED BY:	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520		
NORTH 	SCALE IN FEET	DATE	FIGURE
	0 APPROXIMATE 50	7-10-08	5

LEGEND

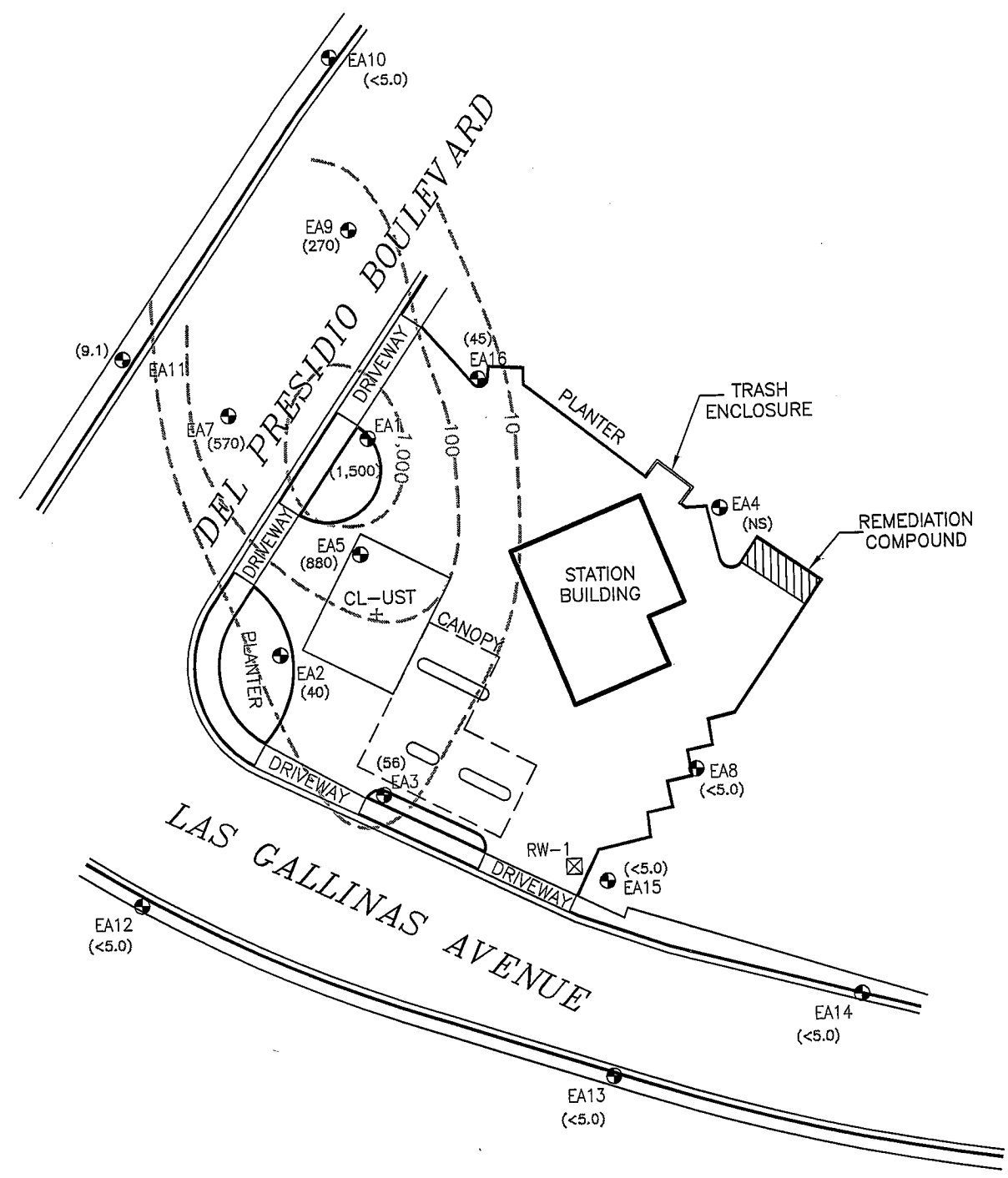
- DISPENSER ISLAND
- MONITORING WELL
- RECOVERY WELL
- (<0.50) MTBE CONCENTRATION (ug/L)
- - - MTBE CONCENTRATION CONTOUR (ug/L)
- MTBE METHYL *tert*-BUTYL ETHER
- (NS) NOT SAMPLED
- ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)



DRAFTED BY: E.V. (N.J.)	MTBE ISOCONCENTRATION MAP JUNE 10, 2008		
CHECKED BY:	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA		
REVIEWED BY:	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520		
NORTH 	SCALE IN FEET	DATE	FIGURE
	0 APPROXIMATE 50	7-10-08	6

LEGEND

- DISPENSER ISLAND
- MONITORING WELL
- RECOVERY WELL
- TBA CONCENTRATION (ug/L)
- TBA CONCENTRATION CONTOUR (ug/L)
- TBA *tert*-BUTYL ALCOHOL
- (NS) NOT SAMPLED
- ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)



DRAFTED BY: E.V. (N.J.)	TBA ISOCONCENTRATION MAP JUNE 10, 2008		
CHECKED BY:	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA		
REVIEWED BY:	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520		
NORTH 	SCALE IN FEET 0 APPROXIMATE 50	DATE 7-10-08	FIGURE 7



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

August 6, 2008

Mr. Ralph Lambert
Regional Water Quality Control Board – San Francisco Bay Region (RWQCB-SFBR)
1515 Clay St., Suite 1400
Oakland, CA 94612

Re: **Second Quarter 2008 Groundwater Monitoring Report**
Chevron Service Station #9-3553
949 Del Presidio Boulevard
San Rafael, California
RWQCB File #21-0166

Dear Mr. Lambert:

On behalf of Chevron Environmental Management Company (Chevron), Conestoga-Rovers & Associates (CRA) is submitting this *Second Quarter 2008 Groundwater Monitoring Report* for the referenced site. Groundwater monitoring data was collected on June 10, 2008 by Gettler-Ryan Inc. (G-R) of Dublin, California. As requested in RWQCB *Minimum Reporting Requirement* memorandum dated March 26, 2007, detailed below are a brief site history and background, a description of current quarterly monitoring activities, conclusions and anticipated future activities.

SITE BACKGROUND

Site Description

The site is currently operated as an active Chevron service station, owned by Chevron USA, located on the southwest corner of the intersection of Del Presidio Boulevard and Freitas Parkway in San Rafael, California (Figure 1). Site facilities include a kiosk, five dispenser islands and four 10,000-gallon underground storage tanks (USTs) dispensing multi-grade gasoline and diesel. According to Chevron's records, in 1983 the station was constructed in its current configuration with three 10,000-gallon USTs. No records of site development prior to 1983 are available. One additional 10,000-gallon UST was installed in 1987. The site is bordered by commercial properties, including a Union 76-branded service station to the southwest, a Shell service station to the east, a Valero service station (formerly Exxon) to the south/southeast and a commercial building above an open air parking garage to the northwest. Freitas Parkway is immediately north of the site (Figure 2). The Shell and Union 76 stations have open and active RWQCB cases. In May 2008, site closure was requested at the Valero Station by Groundwater & Environmental Services, Inc. of Concord, California. Valero wells are no longer being sampled.

Equal
Employment
Opportunity Employer



Site Geology and Hydrogeology

Soils beneath the site consist primarily of silt, gravelly silt, clayey sand, clayey sand with gravel and sandy clay to the total explored depth of 25 feet below grade (fbg). Depth to groundwater beneath the site has ranged from 5.3 fbg to approximately 12 fbg since monitoring began in 1998. Groundwater elevations measured in on-site wells have produced a calculated gradient varying from north-northwest to west. Groundwater elevation data from adjacent properties indicate a westerly to south-westerly gradient, with a groundwater elevation high at the Shell station (CRA Figure 3).

Investigation Summary

1997 Unauthorized Release: In September 1997, in preparation for installation of site upgrades, Chevron collected a groundwater sample from a tankfield backfill well piezometer. The groundwater sample contained concentrations of 560 micrograms per liter ($\mu\text{g/L}$) benzene and 100,000 $\mu\text{g/L}$ methyl-tert butyl ether (MTBE). Details are reported in the *Unauthorized Release – Follow-up, Form Submittal* submitted to the San Rafael Fire Department on September 18, 1997.

1997 Pump Island and Piping Removal, Replacement and Limited Excavation: In October 1997, on behalf of Chevron, Town and Country Contractors of Sacramento conducted fuel dispenser upgrade activities including dispenser and associated product piping removal and replacement and the excavation of approximately 75-cubic yards of soil and pea gravel. Compliance soil samples collected by Touchstone Developments (Touchstone) during excavation activities contained only minor concentrations of petroleum hydrocarbons. The excavated soil was disposed of at Redwood Landfill in Novato, California. Details of these activities are reported in Touchstone Development's October 31, 1997 *Product Piping/Dispenser Replacement and Sampling Report*.

1998 Monitoring Well Installation and Limited Subsurface Investigation: In March 1998, on behalf of Chevron, Gettler-Ryan (G-R) of Dublin, California advanced soil borings MW-1 through MW-4 to 19 fbg and boring B1 to 15 fbg, converting borings MW-1 through MW-4 into groundwater monitoring wells. Soil samples collected contained maximum concentrations of 91 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as diesel (TPHd) in MW-4 at 15.5 fbg, 3.8 mg/kg total petroleum hydrocarbons as gasoline (TPHg) in MW-3 at 9 fbg, 0.15 mg/kg benzene and 0.57 mg/kg MTBE in MW-3 at 4.5 fbg, and 100 mg/kg chromium at 5 fbg in boring B-1. TPHg was detected groundwater samples from MW-2 at a maximum concentration of 3,700 $\mu\text{g/L}$. TPHd was detected in all wells at concentrations ranging from 1,200 to 2,800 $\mu\text{g/L}$. Benzene and MTBE were detected in all wells at maximum concentrations of 510 $\mu\text{g/L}$ and 33,000 $\mu\text{g/L}$, respectively. Details of these activities are reported in Gettler-Ryan's August 6, 1998 *Limited Subsurface Investigation Report*.

2007 Monitoring Well Installation and Subsurface Investigation: In August 2007, on behalf of Chevron, CRA advanced on-site borings MW-5 and MW-6 to 20 fbg and SB-1 through SB-3 to a maximum depth of 25 fbg,



converting borings MW-5 and MW-6 into groundwater monitoring wells. SB-3 was advanced near boring B-1 (1998) at the location of the former used-oil tank pit. Soil samples collected contained maximum concentrations of 480 mg/kg TPHg in SB-1 at 11 fbg and 73 mg/kg TPHd in SB-3 at 10 fbg. Chromium was detected in SB-3 at a concentration of 146 mg/kg at 5 fbg in soil and at a concentration of 8,330 $\mu\text{g/L}$ in groundwater. Grab-groundwater samples collected from SB-3 contained the highest detections of hydrocarbon concentrations: 21,000 $\mu\text{g/L}$ TPHg, 250,000 $\mu\text{g/L}$ TPHd, 730 $\mu\text{g/L}$ benzene and 1,300 $\mu\text{g/L}$ MTBE. TBA was reported up to 1,300 $\mu\text{g/L}$ in a grab-groundwater sample from SB-2. CRA recommended the installation of an off-site down-gradient well and continued quarterly monitoring and sampling of the newly installed monitoring wells. More information is available in CRA's September 13, 2007 *Subsurface Investigation Report*.

2008 Monitoring Well Installation and Subsurface Investigation: In April 2008, in response to RWQCB requests, CRA, on behalf of Chevron, installed on-site monitoring well MW-7 to 21.5 fbg. Maximum hydrocarbon concentrations detected in soil were 200 mg/kg TPHg and 190 mg/kg TPHd. Hydrocarbon concentrations reported in grab-groundwater samples from well MW-7 included 4,800 $\mu\text{g/L}$ TPHg, 2,300 $\mu\text{g/L}$ TPHd, 170 $\mu\text{g/L}$ benzene, 160 $\mu\text{g/L}$ MTBE, and 33.5 $\mu\text{g/L}$ chromium. CRA recommended scheduling of concurrent groundwater monitoring at the nearby Shell, Valero and Union 76 stations. A complete description of findings is available in CRA's May 16, 2008 *Well Installation and First Quarter 2008 Groundwater Monitoring Report*.

CURRENT QUARTER ACTIVITIES

Groundwater Monitoring and Sampling Results

Groundwater Monitoring: G-R gauged and sampled Chevron wells MW-1 through MW-7 on June 10, 2008. Concurrent groundwater gauging data was collected from the Shell, Valero, and 76 stations on June 10, 2008. On-site groundwater elevations ranged from 16.26 ft above mean sea level (msl) in MW-6 to 21.04 ft above msl in MW-5. Well construction details and groundwater elevation are presented in Attachment A. Comparing the groundwater elevations of all sites, the elevation ranged from 16.26 ft above msl at Chevron well MW-6 to 27.86 ft above msl in Shell well MW-4. Using site groundwater monitoring data from all four sites, groundwater flow direction on-site was calculated towards the northwest at a gradient varying from 0.01 to 0.07 feet per foot (ft/ft) (June 10, 2008). GR's *Groundwater Monitoring and Sampling Report – Second Quarter Event of June 10, 2008* is presented as Attachment B. Results of groundwater sampling are presented below.

TPHg Analytical Results: TPHg was detected in all site wells at concentrations ranging from 61 $\mu\text{g/L}$ in well MW-5 to 6,000 $\mu\text{g/L}$ in MW-3. TPHg concentrations generally decreased in wells MW-1, MW-3 and MW-4 in comparison to the previous quarter and are generally consistent with previous results in the other site wells. The observed concentrations are within historical ranges and are consistent with seasonal fluctuations.



TPHd Analytical Results: TPHd was detected in all site wells at concentrations ranging from 63 $\mu\text{g/L}$ in well MW-5 to 2,000 $\mu\text{g/L}$ in MW-3. TPHd concentrations are generally consistent with the previous quarter results and were within historical ranges.

Benzene Analytical Results: No benzene concentrations were detected during this sampling event in wells MW-4, MW-5, and MW-6. Benzene was detected in wells MW-1, MW-2, MW-3 and MW-7 at concentrations ranging from 1 $\mu\text{g/L}$ in MW-1 to 330 $\mu\text{g/L}$ in well MW-3. These concentrations are within historical ranges and are consistent with seasonal fluctuations.

Oxygenate Analytical Results: MTBE was detected in all site wells at concentrations ranging from 5 $\mu\text{g/L}$ in well MW-5 to 560 $\mu\text{g/L}$ in well MW-3. TBA was detected in all site wells at concentrations ranging from 130 $\mu\text{g/L}$ in well MW-5 to 6,900 $\mu\text{g/L}$ in MW-3. The concentrations of TBA and MTBE are within historical ranges and are consistent with seasonal fluctuations.

Conclusions of Quarterly Activities

Plume definition: The extent of dissolved hydrocarbons, whether originating from Chevron, Shell, Valero, Union 76 or a commingling of all four, has been defined to relatively low concentrations to the north by MW-5 and MW-6, except for MTBE, to the east by boring SB-1, to the southeast and south by Valero wells EA-9 and EA-10, to the southwest by Valero wells EA-9 and EA-11, and to the west by MW-1. The site is not fully defined to the northwest of the Chevron site (CRA Figure 4). Isoconcentration maps are presented as G-R Figures 2 through 4 in Attachment B.

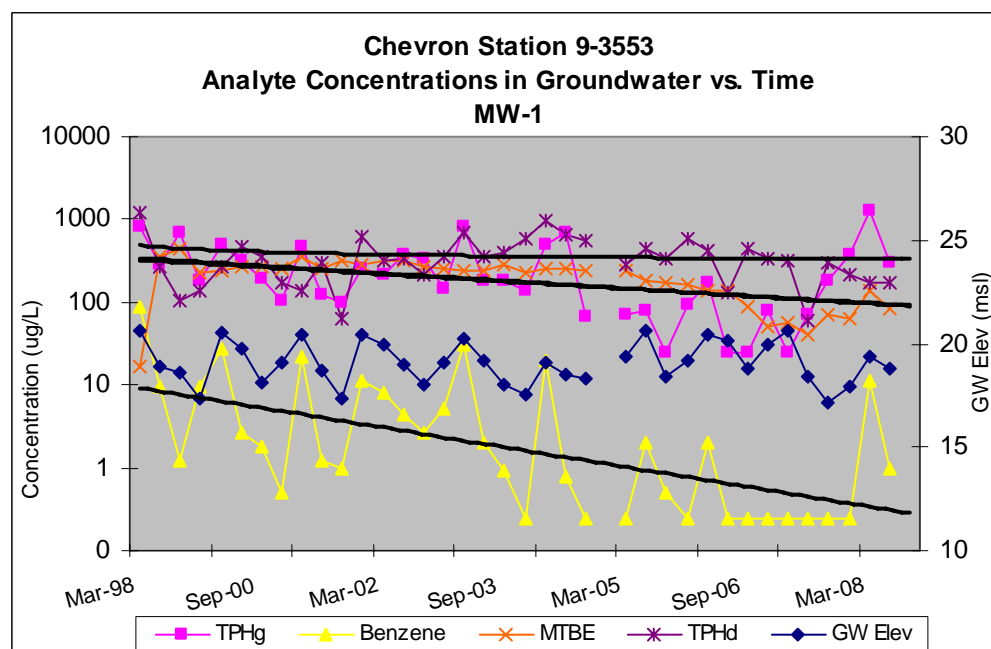
Environmental Screening Levels: CRA compared hydrocarbon concentrations in groundwater with ESLs where groundwater is a potential source of drinking water for commercial/industrial land use¹. The following table compares hydrocarbon concentrations where groundwater is a current or potential source of drinking water to dissolved phase concentrations from this event.

¹ ESL from Table F-1a: ESLs – Water is a current or potential source of drinking water, Chapter 4 of *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board San Francisco Bay Region, Interim final dated November 2007 (revised May 2008).

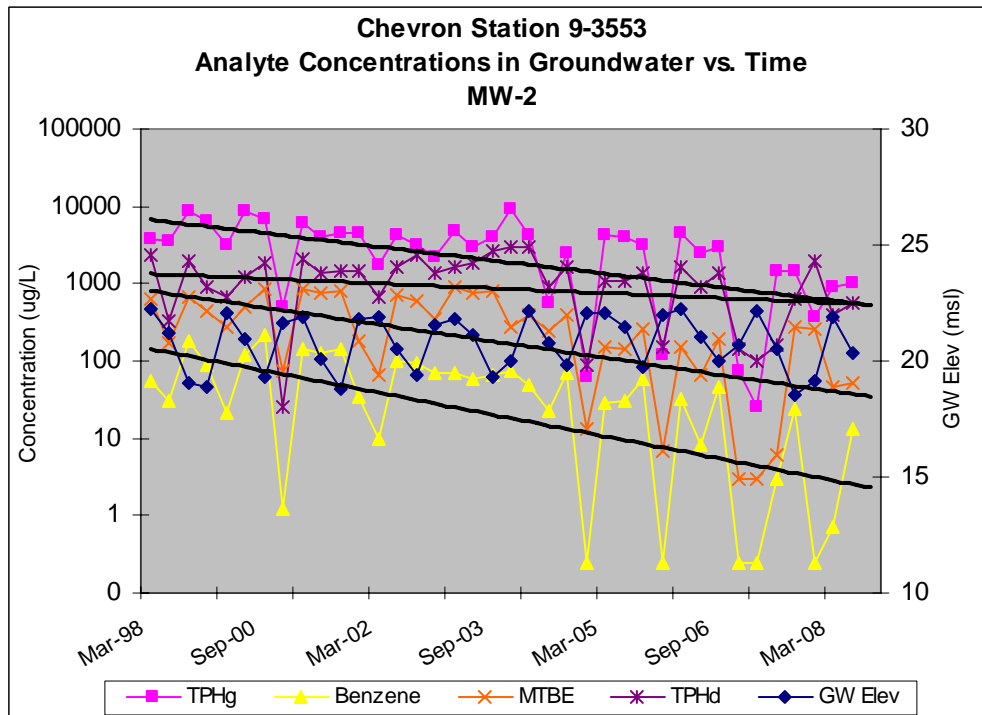
Table A: Summary of Environmental Screening Levels								
Groundwater IS a Current or Potential Source of Drinking Water Commercial/Industrial Land Use								
	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	TBA
MW-1	170	300	1	.25	<0.5	<0.5	82	200
MW-2	550	1,000	13	3	2	3	53	180
MW-3	2,000	6,000	330	3	76	11	560	6,900
MW-4	800	2,600	<0.5	1	<0.5	0.8	14	470
MW-5	63	61	<0.5	<0.5	<0.5	<0.5	5	130
MW-6	77	68	<0.5	<0.5	<0.5	<0.5	550	570
MW-7	1,400	3,200	200	3	130	11	330	210
ESLs for Ground water (µg/l)	100	100	1.0	40	30	20	5	--

TPHd and TPHg concentrations are defined by wells MW-5 and MW-6 to the north, but remain at concentrations above ESLs in wells MW-2, MW-3, MW-4 and MW-7. MTBE is highest in source area well MW-3 and cross-gradient well MW-6.

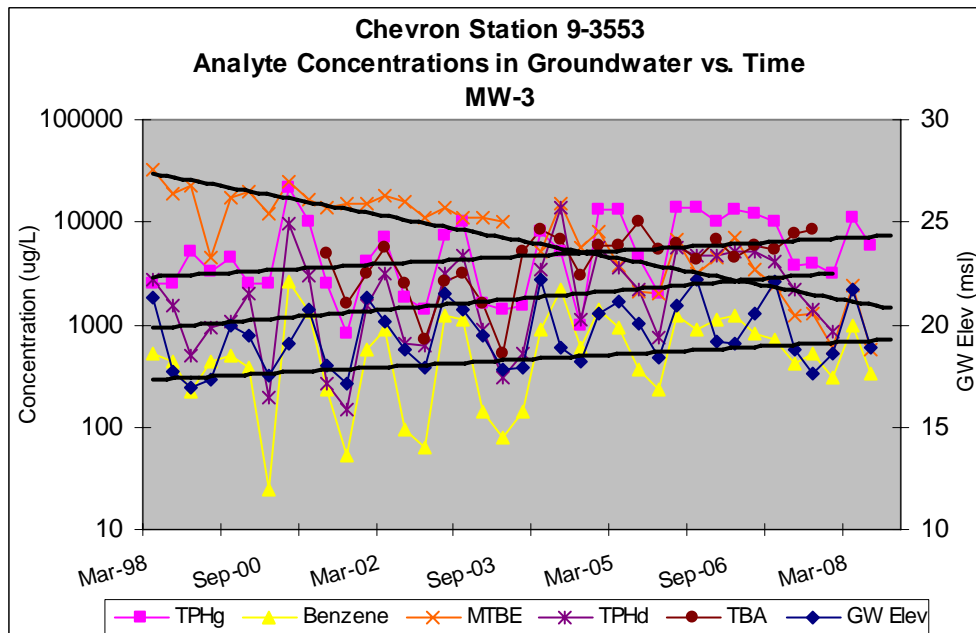
Concentration Trends: Historical and current concentration trends for TPHd, TPHg, benzene and MTBE in groundwater versus time are shown for MW-1, MW-2, MW-3, and MW-4 on the graphs below. The trend graph for MW-3 also includes tertiary butyl alcohol (TBA), a degradation product of MTBE. Seasonal groundwater fluctuations continue to affect concentrations in groundwater on-site; however, overall a decreasing trend in each of these wells is evident.



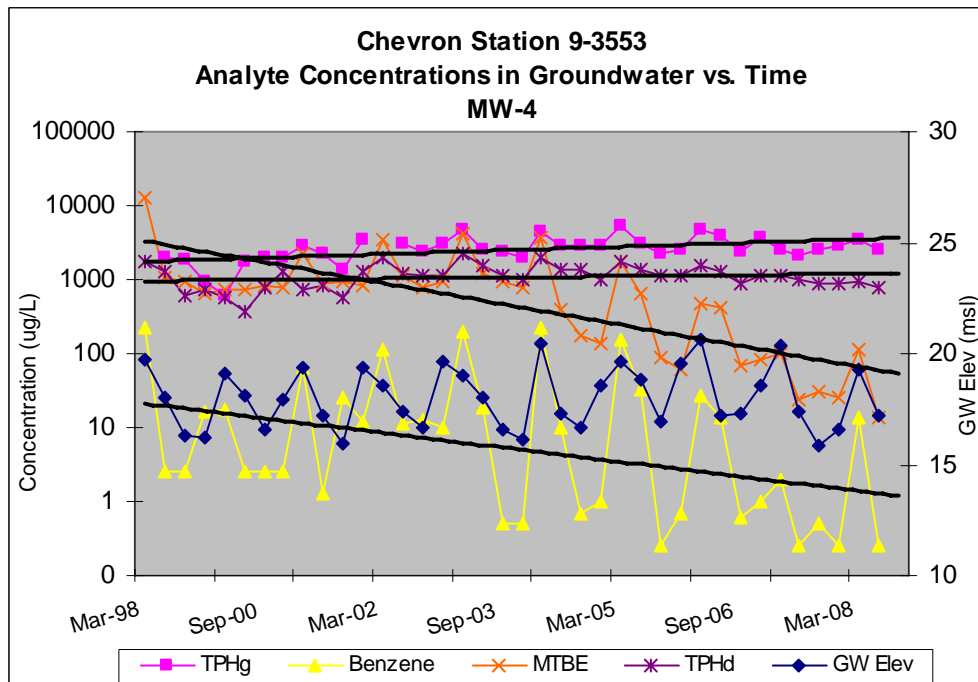
Concentrations in MW-1 show overall stable to decreasing trends. Fluctuations in concentrations are mainly attributed to seasonal changes in groundwater elevation. TPHg in MW-1 increased by one order of magnitude during the previous quarterly event; however, during this quarter, concentrations decreased to the normal range associated with fluctuating groundwater concentrations. Well MW-1 appears to be down-gradient of the adjacent Union 76 station.



Concentrations in MW-2 also exhibit decreasing trends. Fluctuations correlate with seasonal changes in groundwater elevation. MW-2 is an up-gradient well on the Chevron site but appears to be down-gradient of the Shell station.



TPHg, benzene, TPHd and TBA concentrations are increasing slightly in well MW-3; however, are within historical ranges. MTBE concentrations are decreasing in MW-3. TBA/MTBE ratios have been useful in interpreting biodegradation of MTBE. Although more information is necessary to determine if this is occurring, trends suggest that a favourable environment for natural attenuation may exist in the subsurface. MW-7, located near the former used-oil tank, will help to further define on-site conditions as trends are established.



MTBE and benzene concentrations in MW-4 indicate decreasing trends. TPHg and TPHd concentrations are relatively stable, and correlation with seasonal changes in groundwater elevations is evident.

RECOMMENDATIONS AND ANTICIPATED FUTURE ACTIVITIES

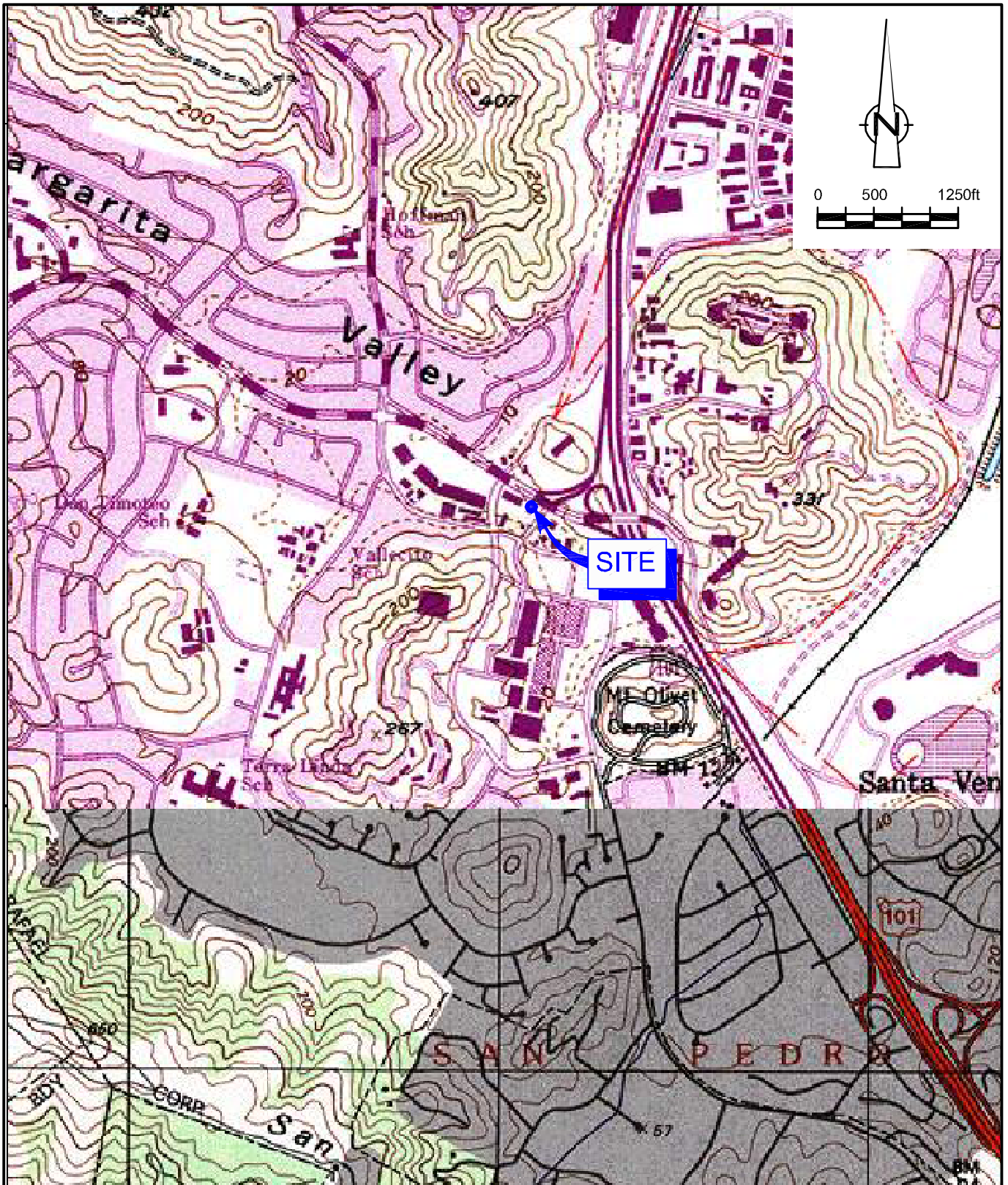
Offsite Investigation: Upon completion access agreement negotiations with the adjacent property to the northwest, CRA will conduct an offsite investigation to determine the extent, if any, of hydrocarbon impact. CRA will inform the RWQCB when agreement negotiations are finalized and when field work is scheduled.

Groundwater Monitoring: CRA recommends continuing quarterly groundwater monitoring and sampling at this site. G-R will continue to gauge and sample site wells during a joint monitoring event with the Shell, Union-76, and Valero stations. G-R will prepare a monitoring and sampling report upon completion. CRA will prepare a summary of site conditions and submit the sampling report with additional recommendations within 60 days of the sampling date.



**CONESTOGA-ROVERS
& ASSOCIATES**

FIGURES



SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
 CHEVRON SERVICE STATION 9-3553
 949 DEL PRESIDIO BOULEVARD
 San Rafael, California



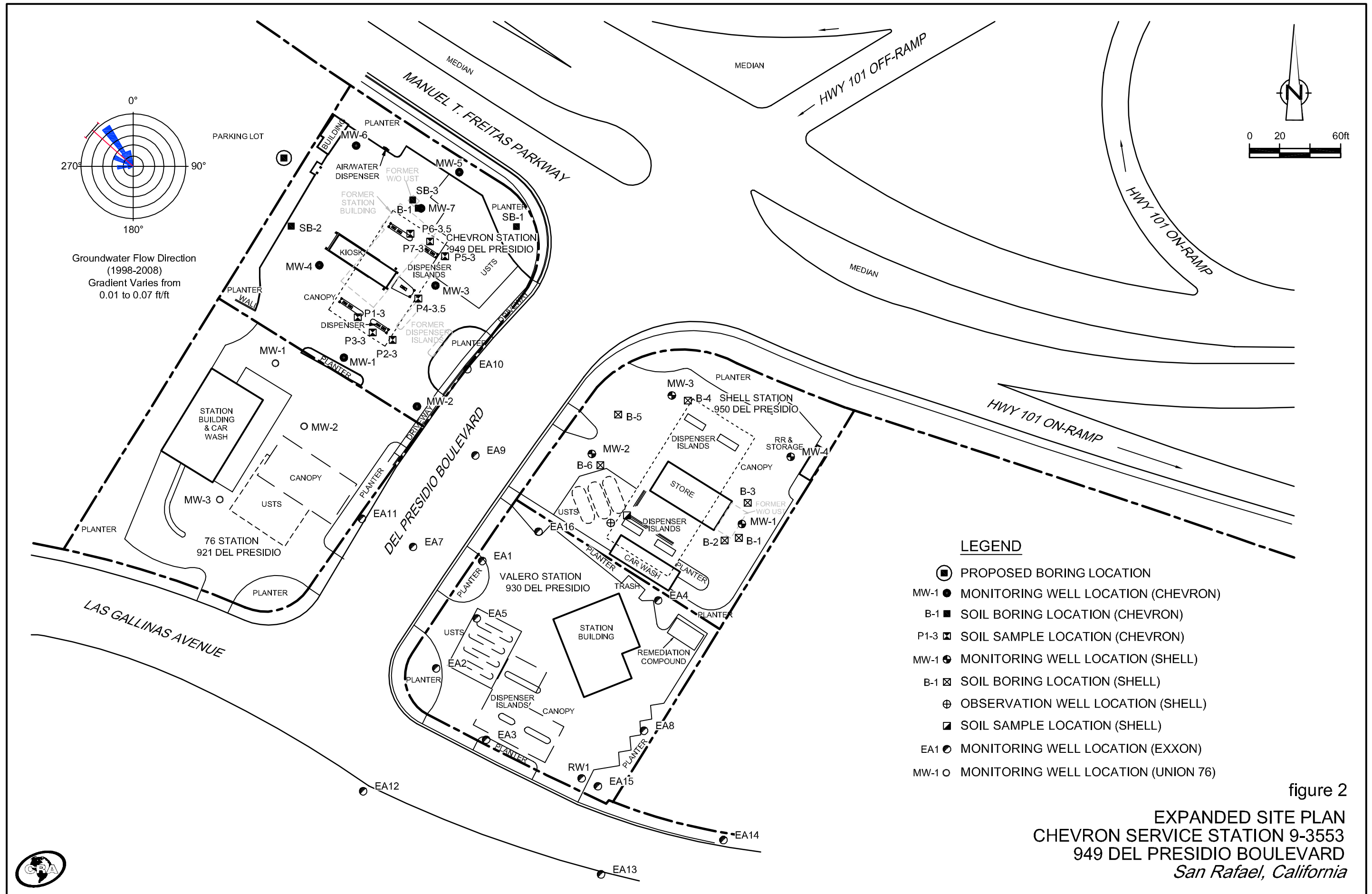


figure 2
 EXPANDED SITE PLAN
 CHEVRON SERVICE STATION 9-3553
 949 DEL PRESIDIO BOULEVARD
 San Rafael, California

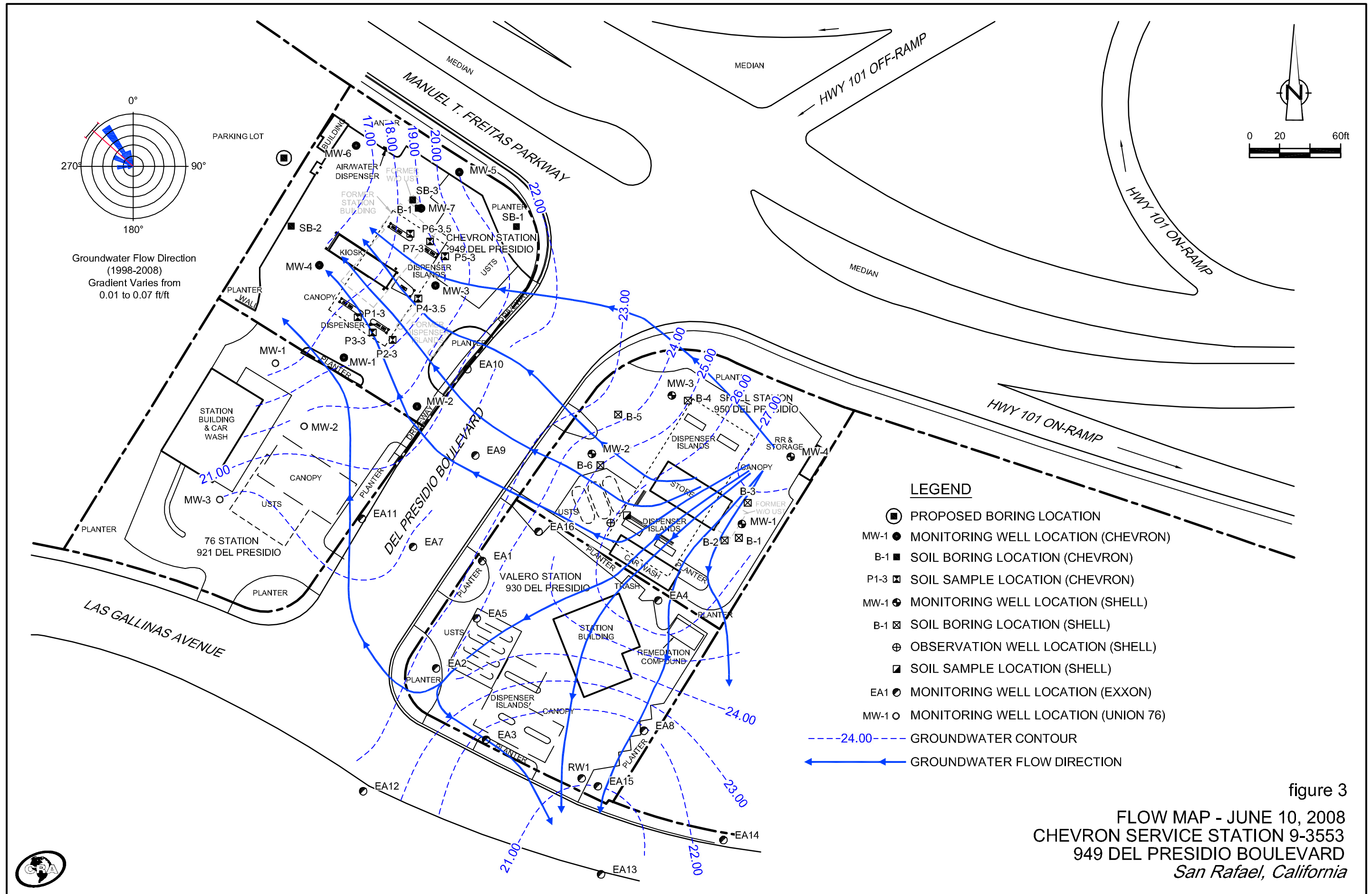
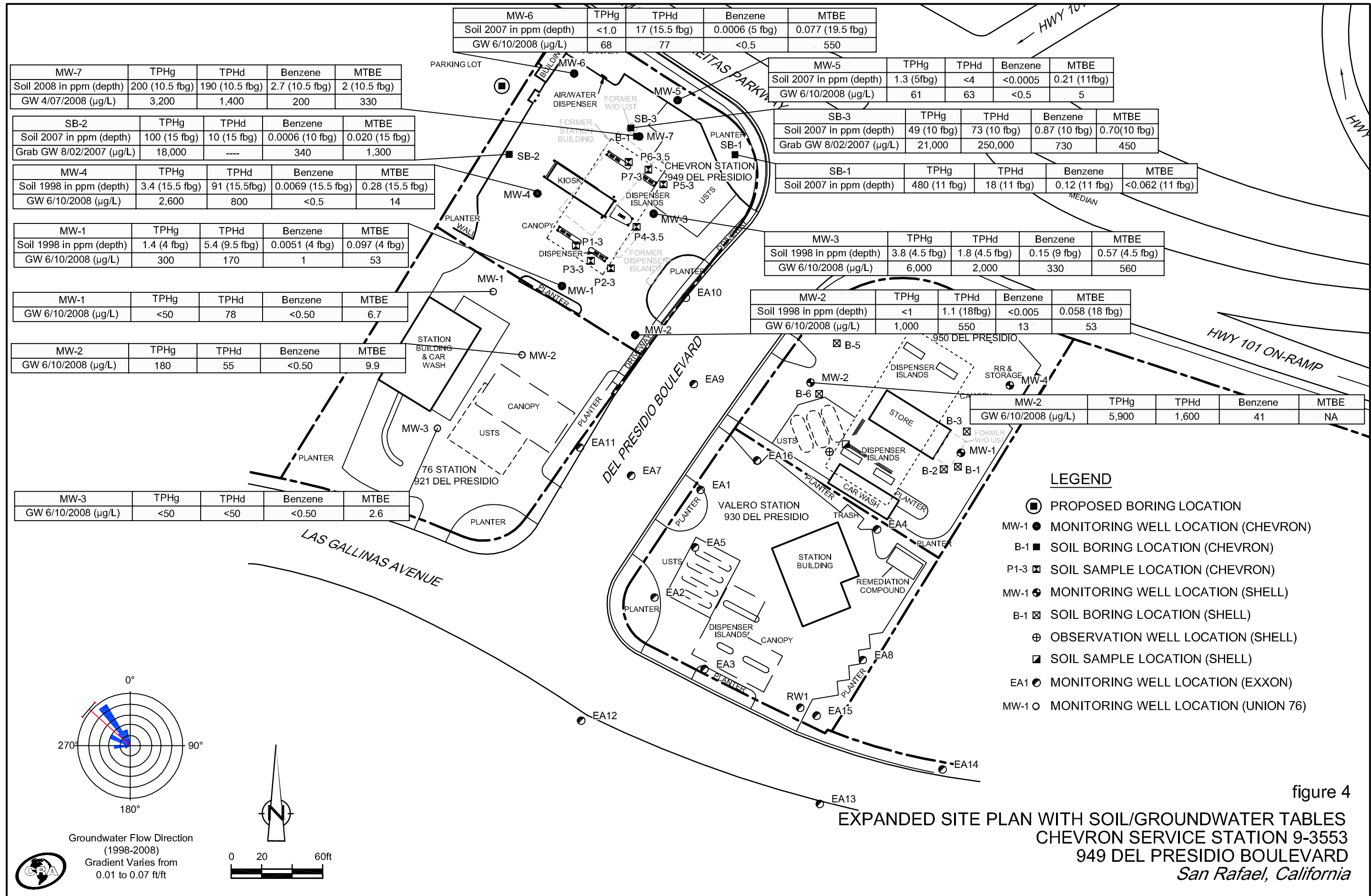


figure 3
 FLOW MAP - JUNE 10, 2008
 CHEVRON SERVICE STATION 9-3553
 949 DEL PRESIDIO BOULEVARD
 San Rafael, California



MW-6	TPHg	TPHd	Benzene	MTBE
Soil 2007 in ppm (depth)	<1.0	17 (15.5 fbg)	0.0006 (5 fbg)	0.077 (19.5 fbg)
GW 6/10/2008 (µg/L)	68	77	<0.5	550

MW-7	TPHg	TPHd	Benzene	MTBE
Soil 2008 in ppm (depth)	200 (10.5 fbg)	190 (10.5 fbg)	2.7 (10.5 fbg)	2 (10.5 fbg)
GW 4/07/2008 (µg/L)	3,200	1,400	200	330

SB-2	TPHg	TPHd	Benzene	MTBE
Soil 2007 in ppm (depth)	100 (15 fbg)	10 (15 fbg)	0.0006 (10 fbg)	0.020 (15 fbg)
Grab GW 8/02/2007 (µg/L)	18,000	---	340	1,300

MW-4	TPHg	TPHd	Benzene	MTBE
Soil 1998 in ppm (depth)	3.4 (15.5 fbg)	91 (15.5 fbg)	0.0069 (15.5 fbg)	0.28 (15.5 fbg)
GW 6/10/2008 (µg/L)	2,600	800	<0.5	14

MW-1	TPHg	TPHd	Benzene	MTBE
Soil 1998 in ppm (depth)	1.4 (4 fbg)	5.4 (9.5 fbg)	0.0051 (4 fbg)	0.097 (4 fbg)
GW 6/10/2008 (µg/L)	300	170	1	53

MW-1	TPHg	TPHd	Benzene	MTBE
GW 6/10/2008 (µg/L)	<50	78	<0.50	6.7

MW-2	TPHg	TPHd	Benzene	MTBE
GW 6/10/2008 (µg/L)	180	55	<0.50	9.9

MW-3	TPHg	TPHd	Benzene	MTBE
GW 6/10/2008 (µg/L)	<50	<50	<0.50	2.6

MW-5	TPHg	TPHd	Benzene	MTBE
Soil 2007 in ppm (depth)	1.3 (5fbg)	<4	<0.0005	0.21 (11fbg)
GW 6/10/2008 (µg/L)	61	63	<0.5	5

SB-3	TPHg	TPHd	Benzene	MTBE
Soil 2007 in ppm (depth)	49 (10 fbg)	73 (10 fbg)	0.87 (10 fbg)	0.70(10 fbg)
Grab GW 8/02/2007 (µg/L)	21,000	250,000	730	450

SB-1	TPHg	TPHd	Benzene	MTBE
Soil 2007 in ppm (depth)	480 (11 fbg)	18 (11 fbg)	0.12 (11 fbg)	<0.062 (11 fbg)

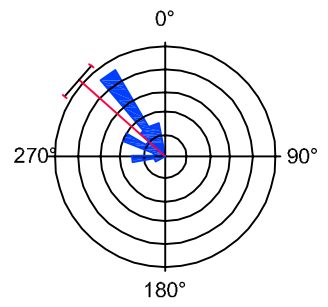
MW-3	TPHg	TPHd	Benzene	MTBE
Soil 1998 in ppm (depth)	3.8 (4.5 fbg)	1.8 (4.5 fbg)	0.15 (9 fbg)	0.57 (4.5 fbg)
GW 6/10/2008 (µg/L)	6,000	2,000	330	560

MW-2	TPHg	TPHd	Benzene	MTBE
Soil 1998 in ppm (depth)	<1	1.1 (18fbg)	<0.005	0.058 (18 fbg)
GW 6/10/2008 (µg/L)	1,000	550	13	53

MW-2	TPHg	TPHd	Benzene	MTBE
GW 6/10/2008 (µg/L)	5,900	1,600	41	NA

LEGEND

- PROPOSED BORING LOCATION
- MW-1 ● MONITORING WELL LOCATION (CHEVRON)
- B-1 ■ SOIL BORING LOCATION (CHEVRON)
- P1-3 ☒ SOIL SAMPLE LOCATION (CHEVRON)
- MW-1 ⊕ MONITORING WELL LOCATION (SHELL)
- B-1 ☒ SOIL BORING LOCATION (SHELL)
- ⊕ OBSERVATION WELL LOCATION (SHELL)
- ☒ SOIL SAMPLE LOCATION (SHELL)
- EA1 ● MONITORING WELL LOCATION (EXXON)
- MW-1 ○ MONITORING WELL LOCATION (UNION 76)



Groundwater Flow Direction
(1998-2008)
Gradient Varies from
0.01 to 0.07 ft/ft

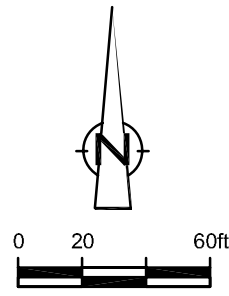


figure 4

EXPANDED SITE PLAN WITH SOIL/GROUNDWATER TABLES
CHEVRON SERVICE STATION 9-3553
949 DEL PRESIDIO BOULEVARD
San Rafael, California



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: October 22, 2008 REFERENCE NO.: 241335
PROJECT NAME: 950 Del Presidio Blvd, San Rafael

TO: Ralph Lambert
Regional Water Quality Control Board - San
Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Please find enclosed: Draft Final
 Originals Other
 Prints

Sent via: Mail Same Day Courier
 Overnight Courier Other

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Third Quarter 2008

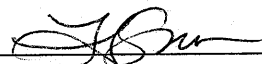
As Requested For Review and Comment
 For Your Use _____

COMMENTS:

If you have any questions regarding the contents of this document, please call Thomas Sparrowe at (510) 420-3316.

Copy to: Denis Brown
Armando Alegria
Michael G. Frost
SF Data Room

Completed by: Thomas Sparrowe
[Please Print]

Signed: 



GROUNDWATER MONITORING REPORT – THIRD QUARTER 2008

**SHELL-BRANDED SERVICE STATION
950 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CALIFORNIA**

**SAP CODE 136047
INCIDENT NO. 97707843
AGENCY NO. 21-0133 (REL)**

**OCTOBER 22, 2008
REF. NO. 241335 (1)**

This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

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Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

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CHEMICAL CONCENTRATION MAP

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APPENDIX A BLAINE TECH SERVICES, INC. – GROUNDWATER MONITORING
REPORT

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

1.1 SITE INFORMATION

Site Address	950 Del Presidio Boulevard, San Rafael
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Tom Sparrowe
Lead Agency and Contact	RWQCB, Ralph Lambert
Agency Case No.	21-0133 (REL)
Shell SAP Code	136047
Shell Incident No.	97707843

Date of most recent agency correspondence was May 7, 2008 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the modified monitoring program for this site, as approved by the Regional Water Quality Control Board (RWQCB) in their May 7, 2008 electronic correspondence. All site wells, including the tank backfill well TB-1, were gauged this quarter, but only well MW-2 was sampled and analyzed for total petroleum hydrocarbons as diesel (TPHd), total petroleum as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Wells MW-1, MW-3, MW-4, and TB-1 are sampled in the second and fourth quarters.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Southwesterly
Hydraulic Gradient	0.02
Depth to Water	4.60 to 6.10 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells according to the modified monitoring program for this site.

Shell is negotiating an ownership transfer of monitoring wells EA9 (on Del Presidio Boulevard) and EA16 (located at 930 Del Presidio Boulevard) from Valero.

2.4 DISCUSSION

The groundwater flow direction this quarter is southwesterly with a gradient of 0.02, and is consistent with historical groundwater flow direction previously observed at this site.

All site wells, including the tank backfill well TB-1, were gauged this quarter, but only well MW-2 was sampled and analyzed for TPHd, TPHg, and BTEX. Wells MW-1, MW-3, MW-4, and TB-1 are sampled in the second and fourth quarters. The sample from well MW-2 contained 79 micrograms per liter ($\mu\text{g}/\text{L}$) TPHd, 5,400 $\mu\text{g}/\text{L}$ TPHg, and 42 $\mu\text{g}/\text{L}$ benzene. The concentrations of TPHg and BTEX reported in well MW-2 this quarter were similar to that reported last quarter; however, the TPHd concentration decreased by two orders of magnitude, from 1,600 to 79 $\mu\text{g}/\text{L}$.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Thomas Sparrowe

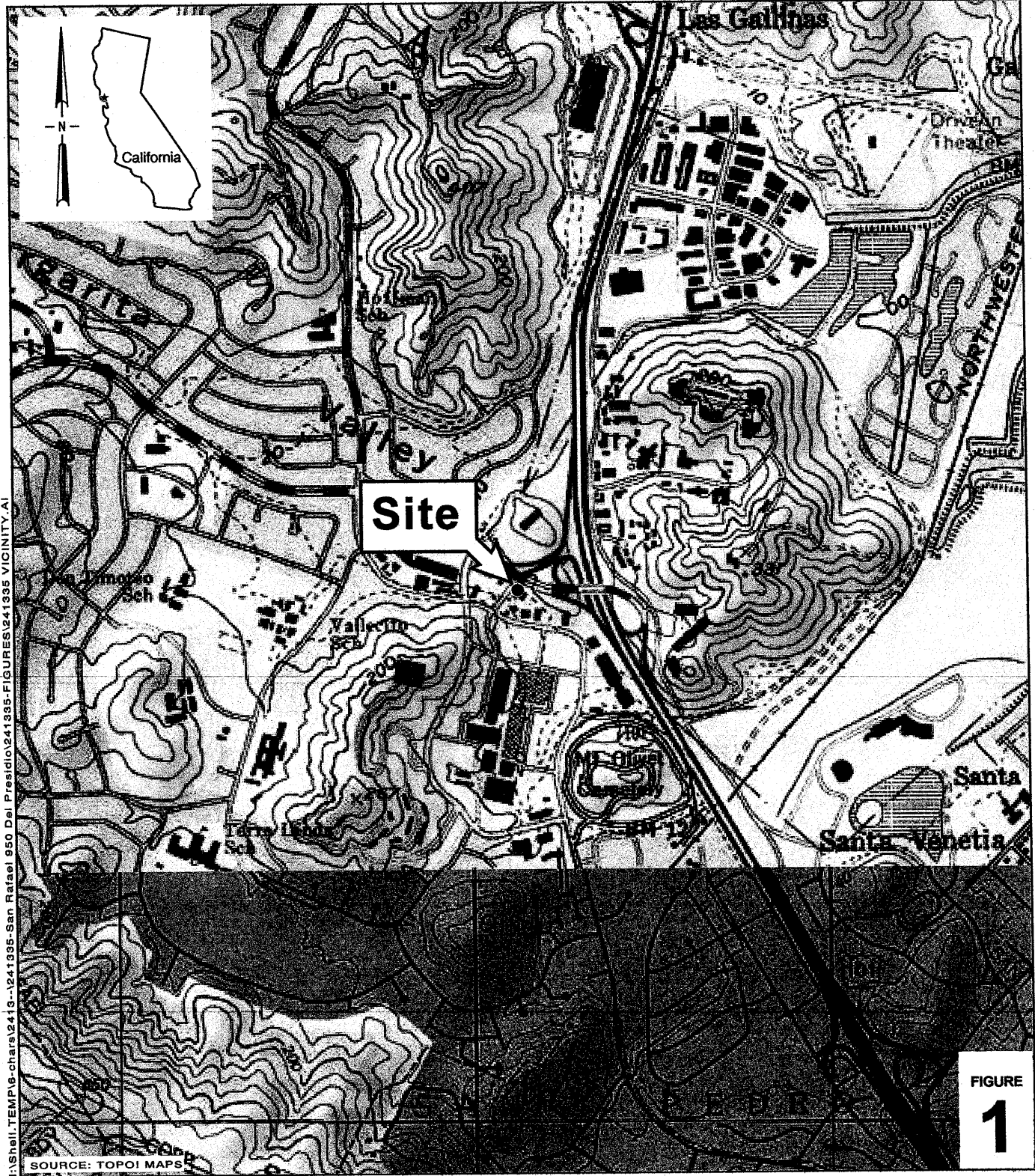
Thomas A. Sparrowe, PG
Project Manager

Aubrey K. Cool

Aubrey K. Cool, PG
Professional Geologist



FIGURES



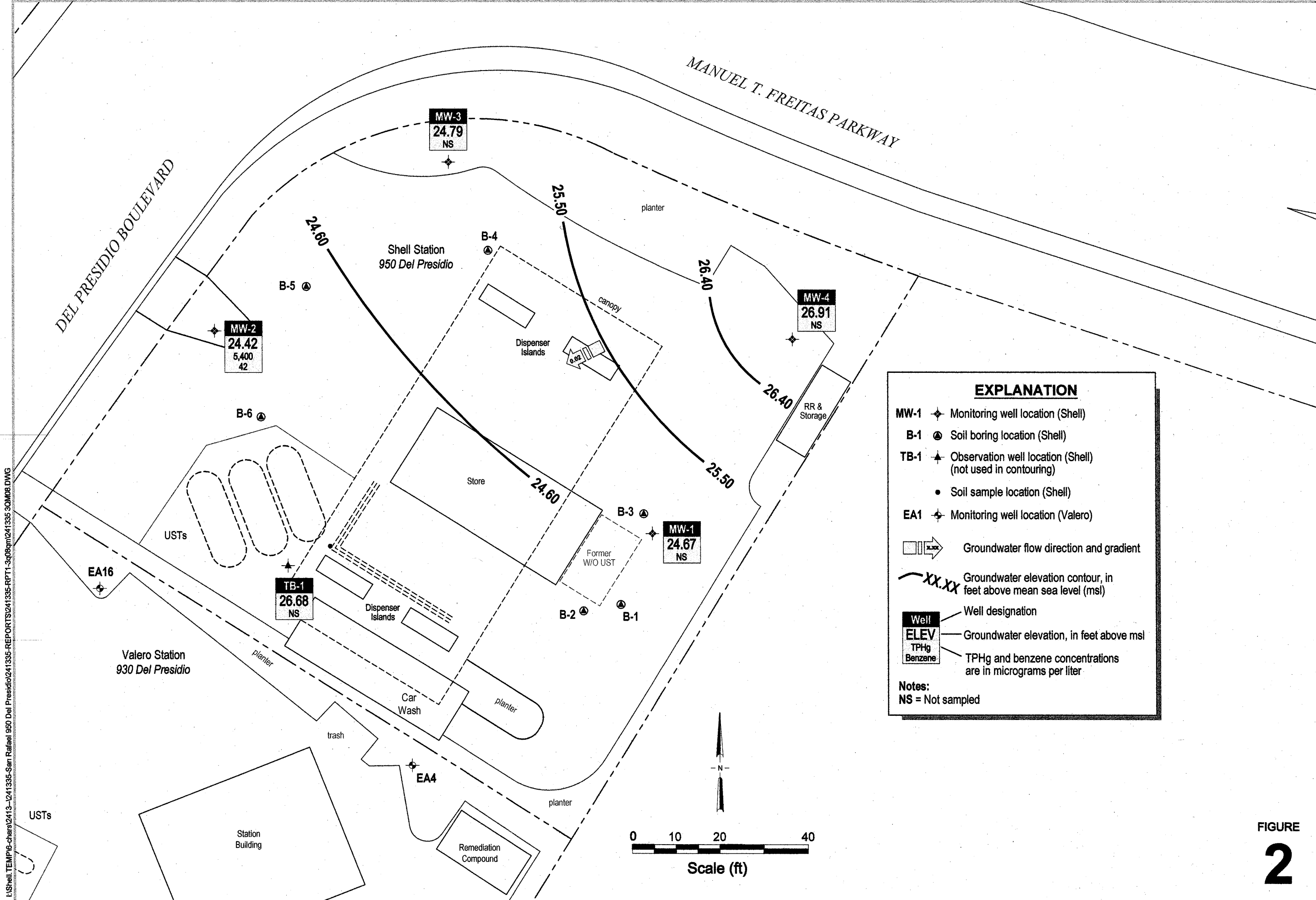
\\shell\TEMP\chrs\2413...1241395-San Rafael 950 Del Presidio\241395-FIGURES\241395 VICINITY.A1

Shell-branded Service Station
 950 Del Presidio Boulevard
 San Rafael, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map



I:\Shell_TEMP\8-char\2413-1241335-San Rafael 950 Del Presidio\241335-REPORTS\241335-RPT1-3008m\241335-30M08.DWG

FIGURE
2



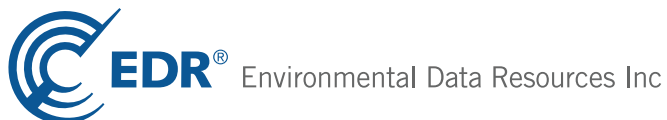
APPENDIX I
DATABASE REPORT

Mervyns

5010 Northgate Mall
San Rafael, CA 94903

Inquiry Number: 02365738.140r
November 18, 2008

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5010 NORTHGATE MALL
SAN RAFAEL, CA 94903

COORDINATES

Latitude (North): 38.005100 - 38° 0' 18.4"
Longitude (West): 122.543600 - 122° 32' 37.0"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 540069.0
UTM Y (Meters): 4206273.5
Elevation: 34 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38122-A5 NOVATO, CA
Most Recent Revision: 1980

South Map: 37122-H5 SAN RAFAEL, CA
Most Recent Revision: 1999

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
MERVYN'S 5010 NORTHGATE MALL SAN RAFAEL, CA 94903	HAZNET	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL LIENS.....	Federal Superfund Liens
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
LIENS 2.....	CERCLA Lien Information
RCRA-TSDF.....	RCRA - Transporters, Storage and Disposal
RCRA-CESQG.....	RCRA - Conditionally Exempt Small Quantity Generator
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	Clandestine Drug Labs
US BROWNFIELDS.....	A Listing of Brownfields Sites
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
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
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

STATE AND LOCAL RECORDS

HIST Cal-Sites.....	Historical Calsites Database
CA BOND EXP. PLAN.....	Bond Expenditure Plan
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
SWF/LF.....	Solid Waste Information System
WMUDS/SWAT.....	Waste Management Unit Database
CA WDS.....	Waste Discharge System
SWRCY.....	Recycler Database
SLIC.....	Statewide SLIC Cases
LIENS.....	Environmental Liens Listing
CHMIRS.....	California Hazardous Material Incident Report System
DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List

EXECUTIVE SUMMARY

CDL..... Clandestine Drug Labs
RESPONSE..... State Response Sites
EMI..... Emissions Inventory Data
HAULERS..... Registered Waste Tire Haulers Listing

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land
INDIAN VCP..... Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

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.

FEDERAL RECORDS

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 09/11/2008 has revealed that there is 1 CORRACTS 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>
<i>FAIRCHILD CAMERA & INSTRUMENT</i>	<i>4300 REDWOOD HWY</i>	<i>NNE 1/2 - 1 (0.597 mi.)</i>	<i>H49</i>	<i>77</i>

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/10/2008 has revealed that there are 2

EXECUTIVE SUMMARY

RCRA-LQG 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>
EXXON CO. USA. # 77067	930 DEL PRESIDIO BLVD.	NNW 0 - 1/8 (0.118 mi.)	D16	33
UNOCAL SERVICE STATION #4774	929 DEL PRESIDIO BOULEV	NNW 0 - 1/8 (0.125 mi.)	D28	48

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 09/10/2008 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>
<i>EXPRESSLY PORTRAITS INC</i>	<i>5600 NORTHGATE MALL</i>	<i>WNW 0 - 1/8 (0.019 mi.)</i>	<i>A2</i>	<i>6</i>
<i>NORTHGATE MALL</i>	<i>5800 NORTHGATE MALL</i>	<i>WNW 0 - 1/8 (0.024 mi.)</i>	<i>A3</i>	<i>7</i>
<i>SEARS ROEBUCK AND CO 8108</i>	<i>8108 NORTHGATE MALL</i>	<i>WNW 0 - 1/8 (0.082 mi.)</i>	<i>B4</i>	<i>11</i>
<i>SEARS</i>	<i>9000 NORTHGATE</i>	<i>WNW 0 - 1/8 (0.105 mi.)</i>	<i>B8</i>	<i>16</i>
VALERO REFINING CO CAL NO 7706	930 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.118 mi.)	D12	25
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>RITE AID NO 5958</i>	<i>1500 NORTHGATE MALL</i>	<i>ESE 0 - 1/8 (0.086 mi.)</i>	<i>C5</i>	<i>13</i>
<i>KERNS AND WALKER CLEANERS</i>	<i>412 LAS GALLINAS AVENUE</i>	<i>SE 0 - 1/8 (0.114 mi.)</i>	<i>11</i>	<i>22</i>
<i>CHEVRON STATION NO 93553</i>	<i>949 DEL PRESIDIO BLVD</i>	<i>NNW 1/8 - 1/4 (0.134 mi.)</i>	<i>D36</i>	<i>57</i>

RCRA-NonGen: 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 list, as provided by EDR, and dated 09/10/2008 has revealed that there is 1 RCRA-NonGen 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>
<i>LONGS DRUGS NO 40</i>	<i>442 LAS GALLINAS AVE</i>	<i>ESE 0 - 1/8 (0.104 mi.)</i>	<i>C7</i>	<i>15</i>

STATE AND LOCAL RECORDS

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). This listing is no longer updated by the state agency.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 6 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORMER EXXON 7-7067</i>	<i>930 DEL PRESIDIO BLVD</i>	<i>NNW 0 - 1/8 (0.118 mi.)</i>	<i>D14</i>	<i>27</i>

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL	950 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.124 mi.)	D21	38
UNOCAL	929 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.125 mi.)	D27	45
ART'S AUTO CARE	1005 NORTHGATE DR	NNW 1/8 - 1/4 (0.229 mi.)	G41	62
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON	949 DEL PRESIDIO BLVD	NNW 1/8 - 1/4 (0.134 mi.)	D32	52
PACIFIC BELL	7 PROFESSIONAL CENTER P	NNE 1/4 - 1/2 (0.332 mi.)	47	70

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/03/2008 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER EXXON 7-7067 Facility Status: Remedial action (cleanup) Underway	930 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.118 mi.)	D14	27
CONOCOPHILLIPS Facility Status: Pollution Characterization	921 DEL PRESIDIO	NNW 0 - 1/8 (0.120 mi.)	D20	37
SHELL Facility Status: Pollution Characterization	950 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.124 mi.)	D21	38
UNOCAL Facility Status: Case Closed	929 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.125 mi.)	D27	45
ART'S AUTO CARE Facility Status: Post remedial action monitoring	1005 NORTHGATE DR	NNW 1/8 - 1/4 (0.229 mi.)	G41	62
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON Facility Status: Pollution Characterization	949 DEL PRESIDIO BLVD	NNW 1/8 - 1/4 (0.134 mi.)	D32	52
PACIFIC BELL Facility Status: Case Closed	7 PROFESSIONAL CENTER P	NNE 1/4 - 1/2 (0.332 mi.)	47	70

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 6 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>
FORMER EXXON 7-7067	930 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.118 mi.)	D14	27
NORTHGATE SHELL	950 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.124 mi.)	D23	41
UNION OIL SS# 4774	929 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.125 mi.)	D30	50
ARTS AUTO CARE	1005 NORTHGATE DR	NNW 1/8 - 1/4 (0.229 mi.)	G42	64
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
93553 CHEVRON	949 DEL PRESIDIO BLVD	NNW 1/8 - 1/4 (0.134 mi.)	D31	51

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUIDE DOGS FOR THE BLIND, INC.	350 LOS RANCHITOS RD	SSE 1/8 - 1/4 (0.174 mi.)	E38	59

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 07/10/2008 has revealed that there are 12 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>
NORTHGATE VALERO	930 DEL PRESIDIO BOULEV	NNW 0 - 1/8 (0.118 mi.)	D13	26
EXXON STATION #7-7067	930 DEL PRESIDIO BLVD.	NNW 0 - 1/8 (0.118 mi.)	D15	33
EXXON STATION #7-7067	930 DEL PRESIDIO BOULEV	NNW 0 - 1/8 (0.118 mi.)	D17	35
TERRA LINDA CAR WASH	921 DEL PRESIDIO BLVD.	NNW 0 - 1/8 (0.120 mi.)	D18	36
TERRA LINDA 76 CAR WASH # 2547	921 DEL PRESIDIO BOULEV	NNW 0 - 1/8 (0.120 mi.)	D19	36
NORTHGATE SHELL	950 DEL PRESIDIO	NNW 0 - 1/8 (0.124 mi.)	D24	43
NORTHGATE SHELL #136047	950 DEL PRESIDIO BOULEV	NNW 0 - 1/8 (0.124 mi.)	D25	43
GATEWAY GAS	1005 NORTHGATE DRIVE	NNW 1/8 - 1/4 (0.229 mi.)	G43	66
HERB'S POOL SERVICE, INC.	3769 REDWOOD HIGHWAY	NE 1/8 - 1/4 (0.232 mi.)	F46	70

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION #93553	949 DEL PRESIDIO BLVD.	NNW 1/8 - 1/4 (0.134 mi.)	D33	55
CHEVRON STATION # 93553	949 DEL PRESIDIO BOULEV	NNW 1/8 - 1/4 (0.134 mi.)	D35	56
GUIDE DOGS FOR THE BLIND	350 LOS RANCHITOS	SSE 1/8 - 1/4 (0.175 mi.)	E39	59

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 11 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>
SEARS AUTO CENTER	9000 NORTHGATE MALL	WNW 0 - 1/8 (0.105 mi.)	B10	20
FORMER EXXON 7-7067	930 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.118 mi.)	D14	27
WILLIAM BAUGH/NORTHGATE SHELL	950 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.124 mi.)	D22	40
UNION OIL SS# 4774	929 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.125 mi.)	D26	44
UNION OIL SS#4774	929 DEL PRESIDIO BLVD	NNW 0 - 1/8 (0.125 mi.)	D29	49
NTRON ELECTRONICS	3833 REDWOOD HWY	NE 1/8 - 1/4 (0.228 mi.)	F40	61
ART'S TEXACO	1005 NORTHGATE DR	NNW 1/8 - 1/4 (0.229 mi.)	G44	66
TEXACO	1005 NORTHGATE DR	NNW 1/8 - 1/4 (0.229 mi.)	G45	68

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GOODYEAR TIRE & RUBBER CO.	496 LAS GALLINAS AVE	E 0 - 1/8 (0.098 mi.)	6	14
93553	949 DEL PRESIDIO BLVD	NNW 1/8 - 1/4 (0.134 mi.)	D34	55
GUIDE DOGS FOR THE BLIND, INC.	350 LOS RANCHITOS RD	SSE 1/8 - 1/4 (0.174 mi.)	E37	58

EXECUTIVE SUMMARY

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 11/01/2007 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>
<i>JIFFY LUBE #1590</i>	<i>9000 NORTHGATE MALL</i>	<i>WNW 0 - 1/8 (0.105 mi.)</i>	<i>B9</i>	<i>19</i>

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 6 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>
<i>FORMER EXXON 7-7067</i>	<i>930 DEL PRESIDIO BLVD</i>	<i>NNW 0 - 1/8 (0.118 mi.)</i>	<i>D14</i>	<i>27</i>
<i>NORTHGATE SHELL</i>	<i>950 DEL PRESIDIO BLVD</i>	<i>NNW 0 - 1/8 (0.124 mi.)</i>	<i>D23</i>	<i>41</i>
<i>UNION OIL SS# 4774</i>	<i>929 DEL PRESIDIO BLVD</i>	<i>NNW 0 - 1/8 (0.125 mi.)</i>	<i>D30</i>	<i>50</i>
<i>ARTS AUTO CARE</i>	<i>1005 NORTHGATE DR</i>	<i>NNW 1/8 - 1/4 (0.229 mi.)</i>	<i>G42</i>	<i>64</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CHEVRON</i>	<i>949 DEL PRESIDIO BLVD</i>	<i>NNW 1/8 - 1/4 (0.134 mi.)</i>	<i>D32</i>	<i>52</i>
<i>GUIDE DOGS FOR THE BLIND, INC.</i>	<i>350 LOS RANCHITOS RD</i>	<i>SSE 1/8 - 1/4 (0.174 mi.)</i>	<i>E38</i>	<i>59</i>

Notify 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 2 Notify 65 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>
<i>MARINE CORPS RESERVE CENTER</i>	<i>153 MADISON AVE</i>	<i>ESE 1/2 - 1 (0.852 mi.)</i>	<i>50</i>	<i>82</i>
<i>RICH ELECTRIC</i>	<i>110 CARLOS DR</i>	<i>NNE 1/2 - 1 (0.965 mi.)</i>	<i>52</i>	<i>85</i>

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 08/25/2008 has revealed that there are

EXECUTIVE SUMMARY

2 ENVIROSTOR 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>
MARINE CORPS RESERVE TRAINING Facility Status: Refer: Other Agency	153 MADISON AVE.	ESE 1/2 - 1 (0.932 mi.)	51	84

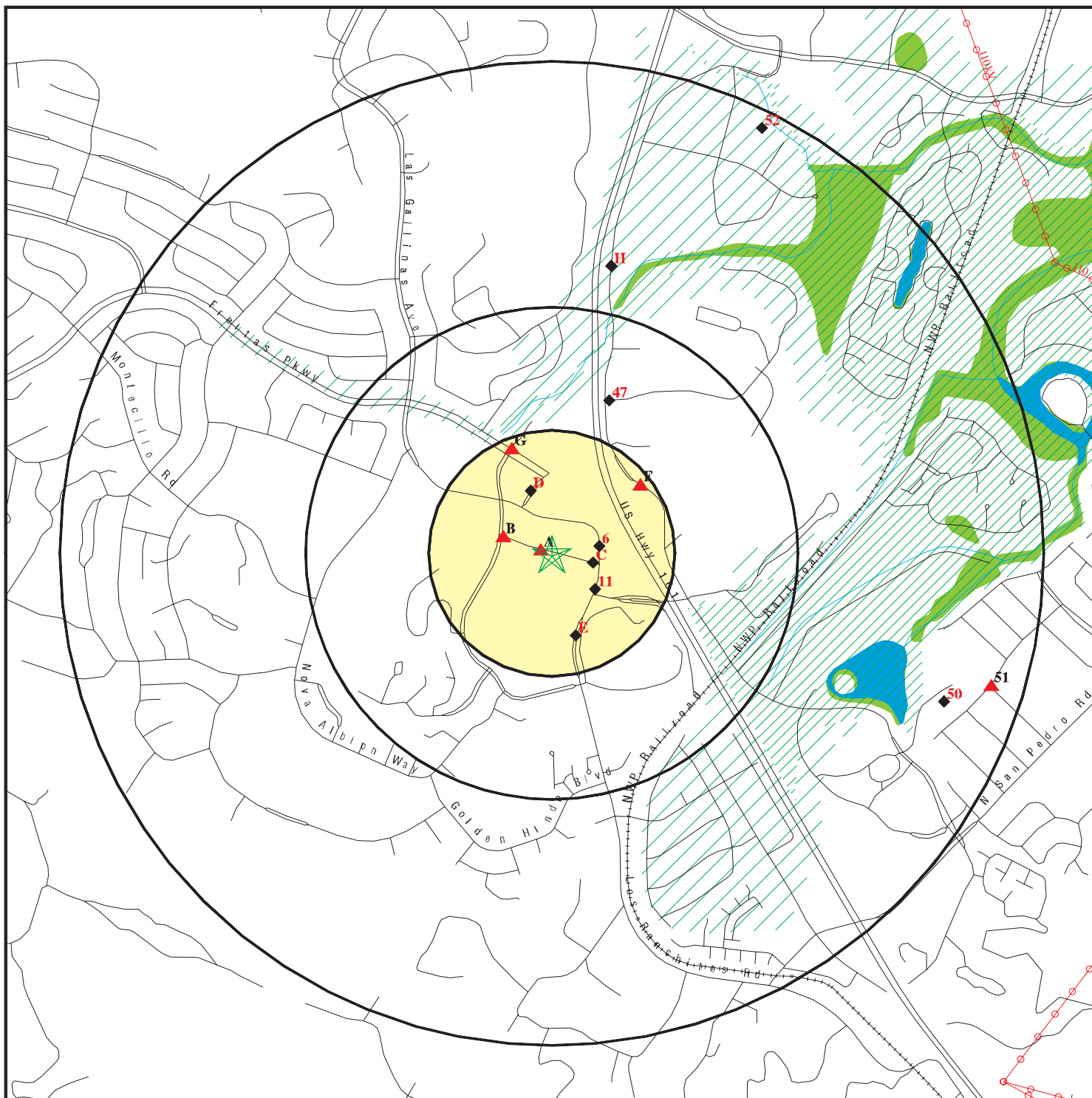
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SCR-FAIRCHILD-4300 REDWOOD</i> Facility Status: Refer: RWQCB	<i>4300 REDWOOD</i>	<i>NNE 1/2 - 1 (0.597 mi.)</i>	<i>H48</i>	<i>76</i>

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
MARIN COUNTY	SWEEPS UST
US 101 EST BLYTHEDALE EXIT	CHMIRS, SLIC
CHINA CAMP STATE PARK	UST
CHINA CAMP	UST
MARIN COUNTY - GARAGE	UST
MARIN MUNI WTR MILLER CREEK TK	RCRA-SQG, FINDS
WOLF CAMERA NO 991	FINDS, RCRA-NonGen

OVERVIEW MAP - 02365738.140r



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

▲ Power transmission lines

▲ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

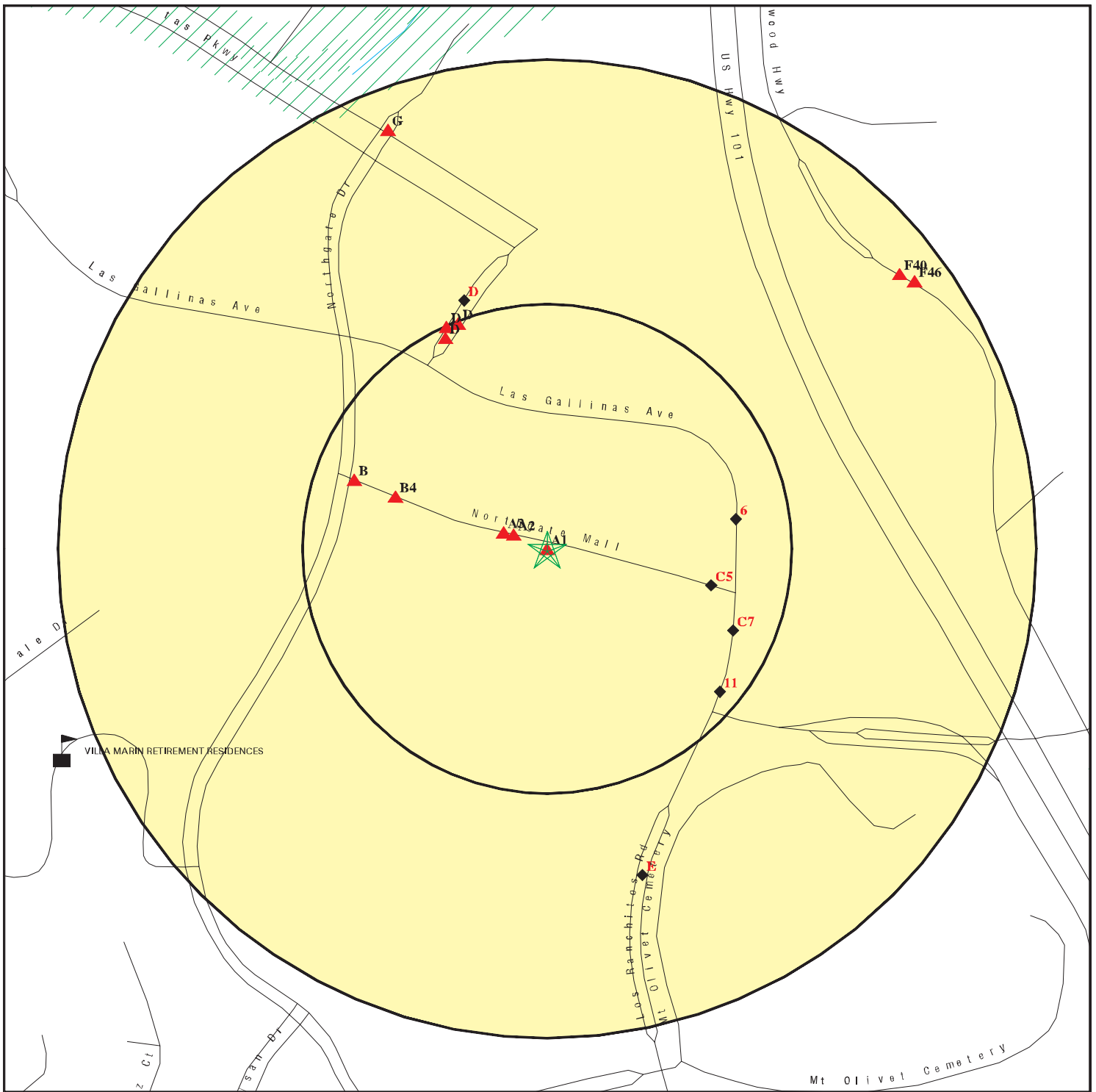


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mervyns
 ADDRESS: 5010 Northgate Mall
 San Rafael CA 94903
 LAT/LONG: 38.0051 / 122.5436

CLIENT: Bureau Veritas North America, Inc.
 CONTACT: Richard D. Fehler
 INQUIRY #: 02365738.140r
 DATE: November 18, 2008 11:20 am

DETAIL MAP - 02365738.140r



- ★ 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
- 100-year flood zone
- 500-year flood zone
- 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: Mervyns
 ADDRESS: 5010 Northgate Mall
 San Rafael CA 94903
 LAT/LONG: 38.0051 / 122.5436

CLIENT: Bureau Veritas North America, Inc.
 CONTACT: Richard D. Fehler
 INQUIRY #: 02365738.140r
 DATE: November 18, 2008 11:20 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
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	2	0	NR	NR	NR	2
RCRA-SQG		0.250	7	1	NR	NR	NR	8
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		0.250	1	0	NR	NR	NR	1
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
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
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
HIST Cal-Sites		1.000	0	0	0	0	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0

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
SWF/LF		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	3	2	1	NR	NR	6
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	4	2	1	NR	NR	7
CA FID UST		0.250	3	3	NR	NR	NR	6
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	7	5	NR	NR	NR	12
HIST UST		0.250	6	5	NR	NR	NR	11
AST		0.250	1	0	NR	NR	NR	1
LIENS		TP	NR	NR	NR	NR	NR	0
SWEEPS UST		0.250	3	3	NR	NR	NR	6
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	2	NR	2
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	2	NR	2
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	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
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **MERVYN'S**
Target **5010 NORTHGATE MALL**
Property **SAN RAFAEL, CA 94903**

HAZNET **S108751103**
 N/A

Site 1 of 3 in cluster A

Actual:
34 ft.

HAZNET:
Gepaid: CAC002604151
Contact: ARMIN KOROGHLI EX 02
Telephone: 8006698862
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 30202 ESPERANZA
Mailing City,St,Zip: RANCHO SANTA MARGARI, CA 926882121
Gen County: Marin
TSD EPA ID: CAL000161743
TSD County: Santa Clara
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.41
Facility County: Marin

Gepaid: CAC002608547
Contact: ARMIN KOROGHLI EX 02
Telephone: 8006698862
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 30202 ESPERANZA
Mailing City,St,Zip: RANCHO SANTA MARGARI, CA 926882121
Gen County: Marin
TSD EPA ID: CAL000161743
TSD County: Santa Clara
Waste Category: Unspecified oil-containing waste
Disposal Method: H14
Tons: 0.16
Facility County: Marin

A2
WNW
< 1/8
0.019 mi.
99 ft.

EXPRESSLY PORTRAITS INC
5600 NORTHGATE MALL
SAN RAFAEL, CA 94903

RCRA-SQG **1000857329**
FINDS **CAD983667429**

Site 2 of 3 in cluster A

Relative:
Higher

RCRA-SQG:
Date form received by agency: 05/06/1993
Facility name: EXPRESSLY PORTRAITS INC
Facility address: 5600 NORTHGATE MALL
 SAN RAFAEL, CA 94903

EPA ID: CAD983667429
Contact: MEL ORCHARD
Contact address: 1151 TRITON DR STE C
 FOSTER CITY, CA 94404

Contact country: US
Contact telephone: (415) 578-9291
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXPRESSLY PORTRAITS INC (Continued)

1000857329

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: EXPRESSLY PORTRAITS INC
Owner/operator address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Owner/operator country: Not reported
Owner/operator telephone: (415) 578-9291
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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A3
WNW
< 1/8
0.024 mi.
126 ft.

NORTHGATE MALL
5800 NORTHGATE MALL
SAN RAFAEL, CA 94901
Site 3 of 3 in cluster A

RCRA-SQG 1000409456
FINDS CAD981422736
HAZNET
CHMIRS

Relative:
Higher

RCRA-SQG:
Date form received by agency: 07/05/1991
Facility name: NORTHGATE MALL
Facility address: 5800 NORTHGATE MALL
SAN RAFAEL, CA 94901
EPA ID: CAD981422736

Actual:
37 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE MALL (Continued)

1000409456

Mailing address: NORTHGATE MALL
SAN RAFAEL, CA 94901
Contact: APTAKER ROBERT
Contact address: 5800 NORTHGATE MALL
SAN RAFAEL, CA 94901
Contact country: US
Contact telephone: (805) 650-0589
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: MACERICH
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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE MALL (Continued)

1000409456

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981422736
Contact: NORTHGATE MALL ASSOCIATES
Telephone: 3103946911
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2172
Mailing City,St,Zip: SANTA MONICA, CA 904070000
Gen County: Marin
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Unspecified organic liquid mixture
Disposal Method: Disposal, Other
Tons: .0750
Facility County: Marin

Gepaid: CAD981422736
Contact: NORTHGATE MALL ASSOCIATES
Telephone: 3103946911
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2172
Mailing City,St,Zip: SANTA MONICA, CA 904070000
Gen County: Marin
TSD EPA ID: CAD981388952
TSD County: Shasta
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 4.2140
Facility County: Marin

CHMIRS:

OES Incident Number: 97-4590
OES notification: 11/19/199701:45:50 AM
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE MALL (Continued)

1000409456

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
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: 1997
Agency: PG&E
Incident Date: 11/18/1997 12:00:00 AM
Admin Agency: San Rafael Fire Department
Amount: Not reported
Contained: Yes
Site Type: Utilities/Substation
E Date: Not reported
Substance: Transformer oil
Quantity Released: Not reported
BBLs: 0
Cups: 0
CUFT: 0
Gallons: 125
Grams: 0
Pounds: 0
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE MALL (Continued)

1000409456

Tons: 0
Unknown: 0
Description: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Subsurface transformer failes, oil contained in vault.

B4
WNW
< 1/8
0.082 mi.
434 ft.

SEARS ROEBUCK AND CO 8108
8108 NORTHGATE MALL
SAN RAFAEL, CA 94577

RCRA-SQG 1004678399
HAZNET CAR000108563

Site 1 of 4 in cluster B

Relative:
Higher

RCRA-SQG:

Date form received by agency: 11/06/2001
Facility name: SEARS ROEBUCK AND CO 8108
Facility address: 8108 NORTHGATE MALL
SAN RAFAEL, CA 94577
EPA ID: CAR000108563
Mailing address: 3333 BEVERLY RD
A 2 238 A
HOFFMAN ESTATES, IL 601793322
Contact: KATHLEEN FLAHERTY
Contact address: 3333 BEVERLY RD A 2 238 A
HOFFMAN ESTATES, IL 601793322
Contact country: US
Contact telephone: (847) 286-7199
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:
83 ft.

Owner/Operator Summary:

Owner/operator name: NORTHGATE MALL ASSOC
Owner/operator address: 5800 NORTHGATE
SAN RAFAEL, CA 94577
Owner/operator country: Not reported
Owner/operator telephone: N A
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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS ROEBUCK AND CO 8108 (Continued)

1004678399

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
Off-site waste receiver: Commercial status unknown

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 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: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

HAZNET:

Gepaid: CAR000108563
Contact: K FLAHERTY, ENV. SPECIAL
Telephone: 8472867199
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3333 Beverly Rd
Mailing City,St,Zip: Hoffman Estates, IL 601793322
Gen County: Marin
TSD EPA ID: KYD053348108
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Not reported
Tons: 0.07
Facility County: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

C5
ESE
< 1/8
0.086 mi.
453 ft.

RITE AID NO 5958
1500 NORTHGATE MALL
SAN RAFAEL, CA 94903

RCRA-SQG **1000978354**
FINDS **CA0001007533**

Site 1 of 2 in cluster C

Relative:
Lower

RCRA-SQG:

Date form received by agency: 02/08/2006
Facility name: RITE AID NO 5958
Facility address: 1500 NORTHGATE MALL
SAN RAFAEL, CA 94903
EPA ID: CA0001007533
Mailing address: 4020 STIRRUP CREEK DR
STE 100
DURHAM, NC 27703
Contact: KENNETH MCKEVENY
Contact address: 4020 STIRRUP CREEK DR STE 100
DURHAM, NC 27703
Contact country: US
Contact telephone: 919-484-3647
Contact email: KENNETH.MCKEVENY@KODAK.COM

Actual:
27 ft.

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: RITE AID CORPORATION
Owner/operator address: PO BOX 3165
HARRISBURG, PA 17105
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/1998
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORPORATION
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: 02/01/1998
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5958 (Continued)

1000978354

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
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 02/14/2002
Facility name: RITE AID NO 5958
Site name: RITE AID CORP NO 5958
Classification: Small Quantity Generator

Date form received by agency: 01/13/1995
Facility name: RITE AID NO 5958
Site name: RITE AID CORP NO 5958
Classification: Small Quantity Generator

Hazardous Waste Summary:

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: D011
Waste name: SILVER

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

6
East
< 1/8
0.098 mi.
515 ft.

GOODYEAR TIRE & RUBBER CO.
496 LAS GALLINAS AVE
SAN RAFAEL, CA 95403

HIST UST U001609370
N/A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000021799

Actual:
27 ft.

Facility Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR TIRE & RUBBER CO. (Continued)

U001609370

Other Type: SERVICE STONE
Total Tanks: 0001
Contact Name: WILLIAM R. FERGUSON
Telephone: 4154793300
Owner Name: GOODYEAR TIRE & RUBBER CO.
Owner Address: 496 LAS GALLINAS
Owner City,St,Zip: SAN RAFAEL, CA 95403

Tank Num: 001
Container Num: 8748
Year Installed: 1973
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Pressure Test

C7
ESE
< 1/8
0.104 mi.
547 ft.

LONGS DRUGS NO 40
442 LAS GALLINAS AVE
SAN RAFAEL, CA 94903
Site 2 of 2 in cluster C

FINDS 1001217354
RCRA-NonGen CAR000032821

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
27 ft.

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.

RCRA-NonGen:

Date form received by agency: 11/17/1999
Facility name: LONGS DRUGS NO 40
Facility address: 442 LAS GALLINAS AVE
SAN RAFAEL, CA 94903
EPA ID: CAR000032821
Contact: ANGELA HOUSE
Contact address: 141 N CIVIC DR P O BOX 5222
WALNUT CREEK, CA 94596
Contact country: US
Contact telephone: (925) 210-6999
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: LONGS INC
Owner/operator address: 141 N CIVIC DR
WALNUT CREEK, CA 94903
Owner/operator country: Not reported
Owner/operator telephone: (510) 937-1170
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONGS DRUGS NO 40 (Continued)

1001217354

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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D011
Waste name: SILVER

Violation Status: No violations found

B8
WNW
< 1/8
0.105 mi.
553 ft.

SEARS
9000 NORTHGATE
SAN RAFAEL, CA 94903

RCRA-SQG 1000473150
FINDS CAD982460982
HAZNET

Site 2 of 4 in cluster B

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/02/1998
Facility name: SEARS
Facility address: 9000 NORTHGATE
SAN RAFAEL, CA 94903
EPA ID: CAD982460982
Mailing address: 9000 NORTHGATE MALL
SAN RAFAEL, CA 94903
Contact: JOHN SWAFFORD
Contact address: 9000 NORTHGATE
SAN RAFAEL, CA 94903
Contact country: US
Contact telephone: (415) 507-2352
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:
121 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS (Continued)

1000473150

Owner/Operator Summary:

Owner/operator name: SEARS
Owner/operator address: 9000 NORTHGATE MALL
SAN RAFAEL, CA 94903
Owner/operator country: Not reported
Owner/operator telephone: (415) 507-2352
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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

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.

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS (Continued)

1000473150

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Tons: 1.1884
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Not reported
Disposal Method: Transfer Station
Tons: .0000
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Tons: .4586
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS (Continued)

1000473150

Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Tons: .6880
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Transfer Station
Tons: .6880
Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

B9
WNW
< 1/8
0.105 mi.
553 ft.

JIFFY LUBE #1590
9000 NORTHGATE MALL
SAN RAFAEL, CA 94903

Site 3 of 4 in cluster B

FINDS 1007676759
AST 110017959921

Relative:
Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
121 ft.

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

AST:

Owner: FLAMINGO PROPERTIES/JIFFY LUBE
Total Gallons: 2100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B10
WNW
< 1/8
0.105 mi.
553 ft.

SEARS AUTO CENTER
9000 NORTHGATE MALL
SAN RAFAEL, CA 94903

HAZNET **U001600022**
HIST UST **N/A**

Site 4 of 4 in cluster B

Relative:
Higher

HAZNET:

Actual:
121 ft.

Gepaid: CAL000129019
Contact: ELISSA STEVENS
Telephone: 7075425285
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5386 BLUE RIDGE TRAIL
Mailing City,St,Zip: SANTA ROSA, CA 954043625
Gen County: Marin
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.2
Facility County: Not reported

Gepaid: CAL000129019
Contact: ELISSA STEVENS
Telephone: 7075425285
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5386 BLUE RIDGE TRAIL
Mailing City,St,Zip: SANTA ROSA, CA 954043625
Gen County: Marin
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.2
Facility County: Not reported

Gepaid: CAL000129019
Contact: ELISSA STEVENS
Telephone: 7075425285
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5386 BLUE RIDGE TRAIL
Mailing City,St,Zip: SANTA ROSA, CA 954043625
Gen County: Marin
TSD EPA ID: NVD980895338
TSD County: Marin
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.15
Facility County: Marin

HIST UST:

Region: STATE
Facility ID: 00000002929
Facility Type: Other
Other Type: GARAGE
Total Tanks: 0007
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS AUTO CENTER (Continued)

U00160022

Telephone: 4154723670
Owner Name: SEARS ROEBUCK & CO
Owner Address: SEARS TOWER
Owner City,St,Zip: CHICAGO, IL 60684

Tank Num: 001
Container Num: 01
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 02
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 03
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 04
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 05
Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 006
Container Num: 06
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS AUTO CENTER (Continued)

U001600022

Leak Detection: Visual

Tank Num: 007
Container Num: 07
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

11
SE
< 1/8
0.114 mi.
605 ft.

**KERNS AND WALKER CLEANERS
412 LAS GALLINAS AVENUE
SAN RAFAEL, CA 94903**

**RCRA-SQG 1000318804
FINDS CAD981650278
HAZNET**

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: KERNS & WALKER CLEANERS
Facility address: 412 GALLINS AVE
SAN RAFAEL, CA 94903

**Actual:
29 ft.**

EPA ID: CAD981650278
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
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: 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: KIM JONG
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KERNS AND WALKER CLEANERS (Continued)

1000318804

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 01/07/1987
Facility name: KERNS & WALKER CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/06/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

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).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981650278
Contact: JONG KIM
Telephone: 4154794779
Facility Addr2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KERNS AND WALKER CLEANERS (Continued)

1000318804

Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CAT000613973
TSD County: 0
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Not reported
Tons: .0975
Facility County: Marin

Gepaid: CAD981650278
Contact: JONG KIM
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CAT000613943
TSD County: Sonoma
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Not reported
Tons: .1950
Facility County: Marin

Gepaid: CAD981650278
Contact: JONG KIM
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CAT000613943
TSD County: Sonoma
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: 1.2375
Facility County: Marin

Gepaid: CAD981650278
Contact: JONG KIM
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Not reported
Tons: .1950
Facility County: Marin

Gepaid: CAD981650278

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KERNS AND WALKER CLEANERS (Continued)

1000318804

Contact: JONG KIM
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: .6825
Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
15 additional CA_HAZNET: record(s) in the EDR Site Report.

**D12
NNW
< 1/8
0.118 mi.
623 ft.**

**VALERO REFINING CO CAL NO 77067
930 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903**

**RCRA-SQG 1004675615
CAR000075143**

Site 1 of 25 in cluster D

**Relative:
Higher**

RCRA-SQG:

Date form received by agency: 06/09/2000

Facility name: VALERO REFINING CO CAL NO 77067

Facility address: 930 DEL PRESIDIO BLVD

SAN RAFAEL, CA 94903

EPA ID: CAR000075143

Mailing address: P O BOX 500

SAN ANTONIO, TX 782920500

Contact: RAMON ESTRADA

Contact address: 2506 CURRAN CT

PINOLE, CA 94564

Contact country: US

Contact telephone: (510) 669-0263

Contact email: Not reported

EPA Region: 09

Land type: Private

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: VALERO REFINING CO C A

Owner/operator address: P O BOX 500

SAN ANTONIO, TX 78292

Owner/operator country: Not reported

Owner/operator telephone: (210) 370-2000

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

VALERO REFINING CO CAL NO 77067 (Continued)

1004675615

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

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 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: D018
Waste name: BENZENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/24/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

**D13
NNW
< 1/8
0.118 mi.
623 ft.**

**NORTHGATE VALERO
930 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA**

**UST U004051135
N/A**

Site 2 of 25 in cluster D

**Relative:
Higher**

UST:
Facility Id: 30-0035

**Actual:
37 ft.**

Tank Number: 000001
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05382
Last Inspected: 1/16/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE VALERO (Continued)

U004051135

Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000002
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05382
Last Inspected: 1/16/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000003
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05382
Last Inspected: 1/16/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000004
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05382
Last Inspected: 1/16/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

**D14
NNW
< 1/8
0.118 mi.
623 ft.**

**FORMER EXXON 7-7067
930 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901**

Site 3 of 25 in cluster D

**LUST 1000337848
CHMIRS N/A
Cortese
CA FID UST
HIST UST
SWEEPS UST**

**Relative:
Higher**

LUST:

**Actual:
37 ft.**

Region: STATE
Status: Remedial action (cleanup) Underway
Case Number: 21-0048
Local Case #: 21-0048
Chemical: Misc. Motor Vehicle Fuels
Qty Leaked: Not reported
Abate Method: Pump and Treat Ground Water - generally employed to remove dissolved contaminants

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Release Date: 1988-06-16 00:00:00
Discover Date: 1988-06-16 00:00:00
Report Date: Not reported
Enforcement Dt: Not reported
Review Date: 2001-08-28 00:00:00
Enter Date: 1988-08-30 00:00:00
Stop Date: 1988-06-16 00:00:00
Confirm Leak: Not reported
Case Type: Other ground water affected
Cross Street: LAS GALLINAS AVE
Enf Type: F
Funding: 13267R
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0604100047
Workplan: Not reported
Prelim Assess: 1987-12-30 00:00:00
Pollution Char: 1988-08-30 00:00:00
Remed Plan: Not reported
Remed Action: 2007-06-01 00:00:00
Monitoring: 2007-02-01 00:00:00
MTBE Date: 2003-03-20 00:00:00
GW Qualifier: =
Soil Qualifier: Not reported
Max MTBE GW ppb: 8290
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: ROBERT C. EHLERS
RP Address: P O BOX 696000
Interim: Yes
Oversight Prgm: LUST
MTBE Class: C
MTBE Conc: 11
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: REL
Staff Initials: BM
Lead Agency: Regional Board
Local Agency: 21028
Hydr Basin #: Novato Valley (2-30)
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: 05305
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: EXTRACTION TRENCHES IN OPERATION.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

LUST:

Region: 2
Facility Id: 21-0048
Facility Status: Pollution Characterization
Case Number: 21-0048
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 12/30/1987
Pollution Characterization Began: 8/30/1988
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CHMIRS:

OES Incident Number: 03-2175
OES notification: 4/25/200307:39:32 PM
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 Personnel # Of Decontaminated: Not reported
Responding Agency Personnel # Of Injuries: Not reported
Responding Agency Personnel # 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: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Waterway: Storm Drain/ San Francisco Bay
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: 2003
Agency: San Rafael Fire Dept
Incident Date: 4/25/2003 12:00:00 AM
Admin Agency: San Rafael Fire Department
Amount: Not reported
Contained: Yes
Site Type: Service Station
E Date: Not reported
Substance: Diesel
Quantity Released: Not reported
BBLs: 0
Cups: 0
CUFT: 0
Gallons: 100-200
Grams: 0
Pounds: 0
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Description: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Substance was released from a diesel fuel delivery tanker. Substance went into storm drain.

Cortese:
Region: CORTESE
Facility Addr2: 930 DEL PRESIDIO BLVD

CA FID UST:
Facility ID: 21000052
Regulated By: UTNKA
Regulated ID: 00024159
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154721744
Mail To: Not reported
Mailing Address: 4550 DACOMA
Mailing Address 2: Not reported
Mailing City, St, Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000024159
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: ED BRENDEL
Telephone: 4154721744
Owner Name: EXXON COMPANY U.S.A
Owner Address: 16945 NORTHCHASE BLVD
Owner City,St,Zip: HOUSTON, TX 77210

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 4
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 3
Year Installed: 1983
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1984

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-024159-000001
Actv Date: 09-26-91
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 21-028-024159-000002
Actv Date: 09-26-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 21-028-024159-000003
Actv Date: 09-26-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 21-028-024159-000004
Actv Date: 09-26-91
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 5
Swrcb Tank Id: 21-028-024159-000005
Actv Date: 09-26-91
Capacity: 1000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

D15
NNW
< 1/8
0.118 mi.
623 ft.

EXXON STATION #7-7067
930 DEL PRESIDIO BLVD.
SAN RAFAEL, CA 94903

Site 4 of 25 in cluster D

UST U003782117
N/A

Relative:
Higher

UST:
Local Agency: 21028
Facility ID: 300083

Actual:
37 ft.

D16
NNW
< 1/8
0.118 mi.
623 ft.

EXXON CO. USA. # 77067
930 DEL PRESIDIO BLVD.
SAN RAFAEL, CA 94903

Site 5 of 25 in cluster D

RCRA-LQG 1007199308
CAD981411028

Relative:
Higher

RCRA-LQG:
Date form received by agency: 10/12/2000
Facility name: EXXON CO. USA. # 77067
Facility address: 930 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
EPA ID: CAD981411028

Actual:
37 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON CO. USA. # 77067 (Continued)

1007199308

Mailing address: P.O. BOX 4999
THE WOODLANDS, TX 773804999
Contact: ALDA POOL
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (281) 296-3579
Contact email: Not reported
EPA Region: 09
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

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: Unknown
Used oil processor: Unknown
User oil refiner: Unknown
Used oil fuel marketer to burner: Unknown
Used oil Specification marketer: Unknown
Used oil transfer facility: Unknown
Used oil transporter: Unknown
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 02/21/1992
Facility name: EXXON CO. USA. # 77067
Site name: EXXON CO. USA #77067
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

D17
NNW
< 1/8
0.118 mi.
623 ft.

EXXON STATION #7-7067
930 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA

Site 6 of 25 in cluster D

UST U004051105
N/A

Relative:
Higher

UST:
Facility Id: 30-0083

Actual:
37 ft.

Tank Number: 000001
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000002
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000003
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000004
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000005
Tank Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON STATION #7-7067 (Continued)

U004051105

Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

**D18
NNW
< 1/8
0.120 mi.
633 ft.**

**TERRA LINDA CAR WASH
921 DEL PRESIDIO BLVD.
SAN RAFAEL, CA 94903**

**UST U003942651
N/A**

Site 7 of 25 in cluster D

**Relative:
Higher**

UST:
Local Agency: 21028
Facility ID: 300371

**Actual:
37 ft.**

**D19
NNW
< 1/8
0.120 mi.
633 ft.**

**TERRA LINDA 76 CAR WASH # 254774
921 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA**

**UST U004051170
N/A**

Site 8 of 25 in cluster D

**Relative:
Higher**

UST:
Facility Id: 30-0371

**Actual:
37 ft.**

Tank Number: 000001
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 05369
Last Inspected: 8/7/2007
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000002
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 05369
Last Inspected: 8/7/2007
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D20
NNW
< 1/8
0.120 mi.
633 ft.

CONOCOPHILLIPS
921 DEL PRESIDIO
SAN RAFAEL, CA
Site 9 of 25 in cluster D

LUST S108935355
N/A

Relative:
Higher

LUST:

Actual:
37 ft.

Region: STATE
Status: Pollution Characterization
Case Number: 21-0391
Local Case #: Not reported
Chemical: 12034,800661
Qty Leaked: Not reported
Abate Method: Not reported
Release Date: 2007-10-22 00:00:00
Discover Date: 2007-10-19 00:00:00
Report Date: Not reported
Enforcement Dt: Not reported
Review Date: Not reported
Enter Date: Not reported
Stop Date: Not reported
Confirm Leak: 2007-10-24 00:00:00
Case Type: Other ground water affected
Cross Street: LAS GALLINAS AVE
Enf Type: RB
Funding: 13267R
How Discovered: SAS
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0604141609
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 2008-02-01 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: SHELBY LATHROP
RP Address: 76 BROADWAY
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: REL
Staff Initials: BM
Lead Agency: Regional Board
Local Agency: 21028
Hydr Basin #: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS (Continued)

S108935355

Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

**D21
NNW
< 1/8
0.124 mi.
653 ft.**

**SHELL
950 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901**

**HAZNET 1000288577
LUST N/A
Cortese**

Site 10 of 25 in cluster D

**Relative:
Equal**

HAZNET:

Gepaid: CAD981400963
Contact: NORA CORTEZ/ENVTL DATABASE
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE
Mailing City,St,Zip: HOUSTON, TX 770672508
Gen County: Marin
TSD EPA ID: CAD982444481
TSD County: Marin
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0
Facility County: Marin

**Actual:
34 ft.**

Gepaid: CAD981400963
Contact: NORA CORTEZ/ENVTL DATABASE
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE
Mailing City,St,Zip: HOUSTON, TX 770672508
Gen County: Marin
TSD EPA ID: CAD009466392
TSD County: Contra Costa
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 2
Facility County: Not reported

LUST:

Region: STATE
Status: Pollution Characterization
Case Number: 21-0133
Local Case #: 21-0133
Chemical: NNPETG, 1203
Qty Leaked: 40
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL (Continued)

1000288577

approved site
Release Date: 1987-12-11 00:00:00
Discover Date: 1987-11-05 00:00:00
Report Date: Not reported
Enforcement Dt: Not reported
Review Date: 1999-10-26 00:00:00
Enter Date: 1989-01-31 00:00:00
Stop Date: 1987-11-05 00:00:00
Confirm Leak: Not reported
Case Type: Other ground water affected
Cross Street: FREITAS PKWY
Enf Type: F
Funding: NOV
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Structure Failure
Leak Source: Tank
Global Id: T0604100126
Workplan: Not reported
Prelim Assess: 1989-12-12 00:00:00
Pollution Char: 2007-02-02 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: JEFF WHITWORTH
RP Address: 20945 S. WILMINGTON AVE.
Interim: Yes
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: REL
Staff Initials: BM
Lead Agency: Regional Board
Local Agency: 21028
Hydr Basin #: Novato Valley (2-30)
Beneficial: Not reported
Priority: 2A4
Cleanup Fund Id: 05057
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: NFA PROPOSED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL (Continued)

1000288577

LUST:

Region: 2
Facility Id: 21-0133
Facility Status: Preliminary site assessment underway
Case Number: 21-0133
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 12/12/1989
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 950 DEL PRESIDIO BLVD

D22
NNW
< 1/8
0.124 mi.
653 ft.

WILLIAM BAUGH/NORTHGATE SHELL
950 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901
Site 11 of 25 in cluster D

HIST UST U001599992
N/A

Relative:
Equal

HIST UST:

Region: STATE
Facility ID: 00000010499
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0004
Contact Name: WILLIAM BAUGH
Telephone: 4154796222
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803

Actual:
34 ft.

Tank Num: 001
Container Num: 1
Year Installed: 1966
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 12 gauge
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 2
Year Installed: 83
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM BAUGH/NORTHGATE SHELL (Continued)

U001599992

Tank Num: 003
Container Num: 3
Year Installed: 83
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 004
Container Num: 4
Year Installed: 83
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

**D23
NNW
< 1/8
0.124 mi.
653 ft.**

**NORTHGATE SHELL
950 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901**

**CA FID UST S101588473
SWEEPS UST N/A**

Site 12 of 25 in cluster D

**Relative:
Equal**

CA FID UST:

Facility ID: 21000139
Regulated By: UTNKA
Regulated ID: 00010499
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154991809
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94901
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:
34 ft.**

SWEEPS UST:

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-010499-000001
Actv Date: 07-01-85
Capacity: 550
Tank Use: OIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE SHELL (Continued)

S101588473

Stg: W
Content: WASTE OIL
Number Of Tanks: 4

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 6918-08041-RU1
Swrcb Tank Id: 21-028-010499-000002
Actv Date: 06-20-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 6918-08043-REG
Swrcb Tank Id: 21-028-010499-000003
Actv Date: 06-20-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 691808042-SU1
Swrcb Tank Id: 21-028-010499-000004
Actv Date: 06-20-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

D24 **NORTHGATE SHELL**
NNW **950 DEL PRESIDIO**
< 1/8 **SAN RAFAEL, CA 94903**
0.124 mi.
653 ft. **Site 13 of 25 in cluster D**

UST **U003782112**
N/A

Relative: UST:
Equal Local Agency: 21028
 Facility ID: 300024
Actual:
34 ft.

D25 **NORTHGATE SHELL #136047**
NNW **950 DEL PRESIDIO BOULEVARD**
< 1/8 **SAN RAFAEL, CA**
0.124 mi.
653 ft. **Site 14 of 25 in cluster D**

UST **U004051134**
N/A

Relative: UST:
Equal Facility Id: 30-0024
Actual:
34 ft. Tank Number: 000001
 Tank Status: Active
 Tank Contents: Motor Vehicle fuel
 Certificate Number: 05353
 Last Inspected: 1/10/2008
 Active: Yes
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000003
 Tank Status: Active
 Tank Contents: Motor Vehicle fuel
 Certificate Number: 05353
 Last Inspected: 1/10/2008
 Active: Yes
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000004
 Tank Status: Active
 Tank Contents: Motor Vehicle fuel
 Certificate Number: 05353
 Last Inspected: 1/10/2008
 Active: Yes
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D26
NNW
< 1/8
0.125 mi.
658 ft.

UNION OIL SS# 4774
929 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
Site 15 of 25 in cluster D

HIST UST **U001600026**
N/A

Relative:
Higher

HIST UST:
Region: STATE
Facility ID: 00000030699
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0008
Contact Name: JEROME V. NAWROCKI
Telephone: 4154790296
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111

Actual:
35 ft.

Tank Num: 001
Container Num: 4774-1-1
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 4774-1-2
Year Installed: 1961
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 4774-2-1
Year Installed: 1961
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4774-4-1
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 4774-1-1
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SS# 4774 (Continued)

U001600026

Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 4774-1-2
Year Installed: 1961
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 4774-2-1
Year Installed: 1961
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: 4774-4-1
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

**D27
NNW
< 1/8
0.125 mi.
658 ft.**

**UNOCAL
929 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901**

**HAZNET S103991783
LUST N/A
Cortese**

Site 16 of 25 in cluster D

**Relative:
Higher**

HAZNET:
Gepaid: CAL000161477
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 1.87
Facility County: Not reported

**Actual:
35 ft.**

Gepaid: CAL000161477
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL (Continued)

S103991783

Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: 0.18
Facility County: Not reported

Gepaid: CAL000161477
Contact: TOSCO MARKETING
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: 1.7514
Facility County: Marin

Gepaid: CAL000161477
Contact: TOSCO MARKETING
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Tons: 1.6638
Facility County: Marin

Gepaid: CAL000161477
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Tons: 0.75
Facility County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL (Continued)

S103991783

[Click this hyperlink](#) while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:

Region: STATE
Status: Case Closed
Case Number: 21-0157
Local Case #: 8
Chemical: Waste Oil
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Release Date: 1991-02-14 00:00:00
Discover Date: 1991-02-14 00:00:00
Report Date: 1996-04-11 00:00:00
Enforcement Dt: Not reported
Review Date: 1999-10-26 00:00:00
Enter Date: 1991-05-15 00:00:00
Stop Date: 1991-02-14 00:00:00
Confirm Leak: Not reported
Case Type: Other ground water affected
Cross Street: GALLINAS AVE
Enf Type: F
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0604100148
Workplan: 1991-04-29 00:00:00
Prelim Assess: 1992-03-02 00:00:00
Pollution Char: 1992-12-14 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
MTBE Date: 1965-01-02 00:00:00
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: 1800
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Yes
Oversight Prgm: LUST
MTBE Class: Not reported
MTBE Conc: 1
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: JMJ
Staff Initials: BM
Lead Agency: Local Agency
Local Agency: 21028

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL (Continued)

S103991783

Hydr Basin #: Novato Valley (2-30)
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: 06716
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: ARCHIVED 11/1/96 CONTROL NO 120-110 SRC 0904760

LUST:

Region: 2
Facility Id: 21-0157
Facility Status: Case Closed
Case Number: 8
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 4/29/1991
Preliminary Site Assesment Began: 3/2/1992
Pollution Characterization Began: 12/14/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 929 DEL PRESIDIO BLVD

**D28
NNW
< 1/8
0.125 mi.
658 ft.**

**UNOCAL SERVICE STATION #4774
929 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA 94903**

**RCRA-LQG 1007199789
CAD982056343**

Site 17 of 25 in cluster D

**Relative:
Higher**

RCRA-LQG:

Date form received by agency: 03/16/1992
Facility name: UNOCAL SERVICE STATION #4774
Facility address: 929 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA 94903
EPA ID: CAD982056343
Contact: MARC LALLANILLA
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (213) 977-6596
Contact email: Not reported
EPA Region: 09
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

**Actual:
35 ft.**

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNOCAL SERVICE STATION #4774 (Continued)

1007199789

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

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
 Mixed waste (haz. and radioactive): Unknown
 Recycler of hazardous waste: Unknown
 Transporter of hazardous waste: Unknown
 Treater, storer or disposer of HW: No
 Underground injection activity: Unknown
 On-site burner exemption: Unknown
 Furnace exemption: Unknown
 Used oil fuel burner: Unknown
 Used oil processor: Unknown
 User oil refiner: Unknown
 Used oil fuel marketer to burner: Unknown
 Used oil Specification marketer: Unknown
 Used oil transfer facility: Unknown
 Used oil transporter: Unknown
 Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

**D29
 NNW
 < 1/8
 0.125 mi.
 658 ft.**

**UNION OIL SS#4774
 929 DEL PRESIDIO BLVD
 SAN RAFAEL, CA 94903
 Site 18 of 25 in cluster D**

**HIST UST U001600028
 N/A**

**Relative:
 Higher**

HIST UST:
 Region: STATE
 Facility ID: 00000059260
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0001
 Contact Name: JEROME V. NAWROCKI
 Telephone: 4154790296
 Owner Name: UNION OIL CO.
 Owner Address: 1 CALIFORNIA ST., SUITE 2700
 Owner City,St,Zip: SAN FRANCISCO, CA 94111

**Actual:
 35 ft.**

Tank Num: 001
 Container Num: 4774-10-1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 6 inches
 Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D30
NNW
< 1/8
0.125 mi.
658 ft.

UNION OIL SS# 4774
929 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903

CA FID UST S101624701
SWEEPS UST N/A

Site 19 of 25 in cluster D

Relative:
Higher

CA FID UST:
Facility ID: 21000163
Regulated By: UTNKA
Regulated ID: 00030699
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154790296
Mail To: Not reported
Mailing Address: 929 DEL PRESIDIO BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
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:
35 ft.

SWEEPS UST:

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91
Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-1-1
Swrcb Tank Id: 21-028-030699-000001
Actv Date: 07-01-85
Capacity: 4000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91
Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-1-2
Swrcb Tank Id: 21-028-030699-000002
Actv Date: 07-01-85
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SS# 4774 (Continued)

S101624701

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91
Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-2-1
Swrcb Tank Id: 21-028-030699-000003
Actv Date: 07-01-85
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91
Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-4-1
Swrcb Tank Id: 21-028-030699-000004
Actv Date: 07-01-85
Capacity: 280
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

**D31
NNW
1/8-1/4
0.134 mi.
706 ft.**

**93553 CHEVRON
949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
Site 20 of 25 in cluster D**

**CA FID UST S101588454
N/A**

**Relative:
Lower**

CA FID UST:
Facility ID: 21000033
Regulated By: UTNKA
Regulated ID: 00062466
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154999950
Mail To: Not reported
Mailing Address: 949 DEL PRESIDIO BLVD
Mailing Address 2: Not reported
Mailing City, St, Zip: SAN RAFAEL 94903
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:
31 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D32
NNW
1/8-1/4
0.134 mi.
706 ft.

CHEVRON
949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901
Site 21 of 25 in cluster D

HAZNET S105030649
LUST N/A
Cortese
SWEEPS UST

Relative:
Lower

HAZNET:
Gepaid: CAR000118695
Contact: KATHY NORRIS
Telephone: 9258425931
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 94583
Gen County: Marin
TSD EPA ID: CAD982444481
TSD County: Marin
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.01
Facility County: Marin

Actual:
31 ft.

LUST:
Region: STATE
Status: Pollution Characterization
Case Number: 21-0166
Local Case #: 3
Chemical: Gasoline
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Release Date: 1987-08-17 00:00:00
Discover Date: 1987-08-17 00:00:00
Report Date: Not reported
Enforcement Dt: Not reported
Review Date: 2001-08-20 00:00:00
Enter Date: 1992-11-08 00:00:00
Stop Date: 1987-08-17 00:00:00
Confirm Leak: 1987-08-17 00:00:00
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: R
Funding: LET
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Structure Failure
Leak Source: Tank
Global Id: T0604100157
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 2007-03-29 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
MTBE Date: 2005-12-28 00:00:00
GW Qualifier: =
Soil Qualifier: Not reported
Max MTBE GW ppb: 6800
Max MTBE Soil ppb: Not reported
County: 21

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S105030649

Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: OLIVIA SKANCE
RP Address: 6001 BOLLINGER CANYON RD., K-2196
Interim: No
Oversight Prgm: LUST
MTBE Class: C
MTBE Conc: 6
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: REL
Staff Initials: BM
Lead Agency: Regional Board
Local Agency: 21028
Hydr Basin #: Novato Valley (2-30)
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: DISPENSER FILTER BROKE 15 GL SPILLED

LUST:

Region: 2
Facility Id: 21-0166
Facility Status: Leak being confirmed
Case Number: 3
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 8/17/1987
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 949 DEL PRESIDIO BLVD

Region: CORTESE
Facility Addr2: 949 DEL PRESIDIO BLVD

SWEEPS UST:

Status: A
Comp Number: 62466
Number: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S105030649

Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-062466-000001
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 62466
Number: 2
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 21-028-062466-000002
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 62466
Number: 2
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 21-028-062466-000003
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 62466
Number: 2
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S105030649

Swrcb Tank Id: 21-028-062466-000004
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

**D33
NNW
1/8-1/4
0.134 mi.
706 ft.**

**CHEVRON STATION #93553
949 DEL PRESIDIO BLVD.
SAN RAFAEL, CA 94903**

**UST U003804959
N/A**

Site 22 of 25 in cluster D

**Relative:
Lower**

UST:
Local Agency: 21028
Facility ID: 300036

**Actual:
31 ft.**

**D34
NNW
1/8-1/4
0.134 mi.
706 ft.**

**93553
949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903**

**HIST UST U001599998
N/A**

Site 23 of 25 in cluster D

**Relative:
Lower**

HIST UST:
Region: STATE
Facility ID: 00000062466
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: SABACA,HARRY
Telephone: 4154999950
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105

**Actual:
31 ft.**

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

93553 (Continued)

U001599998

Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor

**D35
NNW
1/8-1/4
0.134 mi.
706 ft.**

**CHEVRON STATION # 93553
949 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA**

**UST U004051093
N/A**

Site 24 of 25 in cluster D

**Relative:
Lower**

UST:
Facility Id: 30-0036

**Actual:
31 ft.**

Tank Number: 000001
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05360
Last Inspected: 7/31/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000002
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05360
Last Inspected: 7/31/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000003
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05360
Last Inspected: 7/31/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000004
Tank Status: Active
Tank Contents: Motor Vehicle fuel
Certificate Number: 05360
Last Inspected: 7/31/2008
Active: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION # 93553 (Continued)

U004051093

Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

**D36
NNW
1/8-1/4
0.134 mi.
706 ft.**

**CHEVRON STATION NO 93553
949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903**

**RCRA-SQG 1006804949
FINDS CAR000118695**

Site 25 of 25 in cluster D

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 05/16/2002
Facility name: CHEVRON STATION NO 93553
Facility address: 949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 949033615

**Actual:
31 ft.**

EPA ID: CAR000118695
Mailing address: P O BOX 6004
SAN RAMON, CA 94583
Contact: KATHY NORRIS
Contact address: P O BOX 6004
SAN RAMON, CA 94583

Contact country: US
Contact telephone: (925) 842-5931
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: 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

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CHEVRON STATION NO 93553 (Continued)

1006804949

Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No
 Off-site waste receiver: Commercial status unknown

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 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: D018
 Waste name: BENZENE

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E37
SSE
 1/8-1/4
 0.174 mi.
 916 ft.

GUIDE DOGS FOR THE BLIND, INC.
350 LOS RANCHITOS RD
SAN RAFAEL, CA 94915

HIST UST U001600044
N/A

Site 1 of 3 in cluster E

Relative:
Lower

HIST UST:
 Region: STATE
 Facility ID: 00000007193
 Facility Type: Other
 Other Type: Not reported
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154794000
 Owner Name: GUIDE DOGS FOR THE BLIND, INC.
 Owner Address: 350 LOS RANCHITOS ROAD
 Owner City,St,Zip: SAN RAFAEL, CA 94915

Actual:
27 ft.

Tank Num: 001
 Container Num: 1
 Year Installed: 1968
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUIDE DOGS FOR THE BLIND, INC. (Continued)

U001600044

Leak Detection: Stock Inventor

E38
SSE
1/8-1/4
0.174 mi.
916 ft.

GUIDE DOGS FOR THE BLIND, INC.
350 LOS RANCHITOS RD
SAN RAFAEL, CA 94903

CA FID UST S101624707
SWEEPS UST N/A

Site 2 of 3 in cluster E

Relative:
Lower

CA FID UST:
Facility ID: 21001771
Regulated By: UTNKA
Regulated ID: 00007193
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154994000
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
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:
27 ft.

SWEEPS UST:

Status: A
Comp Number: 7193
Number: 1
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-007193-000001
Actv Date: 06-18-91
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 1

E39
SSE
1/8-1/4
0.175 mi.
925 ft.

GUIDE DOGS FOR THE BLIND
350 LOS RANCHITOS
SAN RAFAEL, CA 94903

FINDS 1006839206
UST 110014002186
EMI

Site 3 of 3 in cluster E

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
27 ft.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUIDE DOGS FOR THE BLIND (Continued)

1006839206

their precursors, as well as hazardous air pollutants (HAPs).

UST:

Local Agency: 21028
Facility ID: 300184

UST:

Facility Id: 30-0184

Tank Number: 000001
Tank Status: Tank Removed
Tank Contents: Motor vehicle fuel
Certificate Number: 05385
Last Inspected: 7/27/2007
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000002
Tank Status: Tank Removed
Tank Contents: Motor vehicle fuel
Certificate Number: 05385
Last Inspected: 7/27/2007
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

EMI:

Year: 2002
County Code: 21
Air Basin: SF
Facility ID: 5533
Air District Name: BA
SIC Code: 8322
Air District Name: BAY AREA AQMD
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: 2003
County Code: 21
Air Basin: SF
Facility ID: 5533
Air District Name: BA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GUIDE DOGS FOR THE BLIND (Continued)

1006839206

SIC Code: 8322
 Air District Name: BAY AREA AQMD
 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: 2004
 County Code: 21
 Air Basin: SF
 Facility ID: 5533
 Air District Name: BA
 SIC Code: 8322
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.001
 Reactive Organic Gases Tons/Yr: 0.0001643
 Carbon Monoxide Emissions Tons/Yr: 0.005
 NOX - Oxides of Nitrogen Tons/Yr: 0.015
 SOX - Oxides of Sulphur Tons/Yr: 0.001
 Particulate Matter Tons/Yr: 0.003
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.0029475

Year: 2005
 County Code: 21
 Air Basin: SF
 Facility ID: 5533
 Air District Name: BA
 SIC Code: 8322
 Air District Name: BAY AREA AQMD
 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: .003
 NOX - Oxides of Nitrogen Tons/Yr: .01
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .0009825

F40 NTRON ELECTRONICS
NE 3833 REDWOOD HWY
1/8-1/4 SAN RAFAEL, CA 94903
0.228 mi.
1206 ft. Site 1 of 2 in cluster F

HAZNET U001600017
HIST UST N/A

Relative: HAZNET:
Higher Gepaid: CAC002558926
 Contact: PAULA SIFFLET
Actual: Telephone: 4155072035
76 ft. Facility Addr2: Not reported
 Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NTRON ELECTRONICS (Continued)

U001600017

Mailing Address: 3833 REDWOOD HWY
Mailing City,St,Zip: SAN RAFAEL, CA 94903
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Not reported
Tons: 0.02
Facility County: Not reported

HIST UST:

Region: STATE
Facility ID: 00000052925
Facility Type: Other
Other Type: MEDICAL DEVICES
Total Tanks: 0001
Contact Name: CARTER R. ENGSTROM
Telephone: 4154724600
Owner Name: KENNETH LEVIN
Owner Address: 350 MERRYDALE RD.
Owner City,St,Zip: SAN RAFAEL, CA 94903

Tank Num: 001
Container Num: NO. 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Visual

**G41
NNW
1/8-1/4
0.229 mi.
1209 ft.**

**ART'S AUTO CARE
1005 NORTHGATE DR
SAN RAFAEL, CA 94901
Site 1 of 5 in cluster G**

**LUST S102424670
Cortese N/A**

**Relative:
Higher**

LUST:

**Actual:
37 ft.**

Region: STATE
Status: Post remedial action monitoring
Case Number: 21-0275
Local Case #: 21-39
Chemical: Unleaded Gasoline
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Release Date: 1993-01-26 00:00:00
Discover Date: 1989-11-17 00:00:00
Report Date: Not reported
Enforcement Dt: Not reported
Review Date: 2001-08-20 00:00:00
Enter Date: 1994-07-07 00:00:00
Stop Date: 1989-11-17 00:00:00
Confirm Leak: 1995-01-19 00:00:00
Case Type: Other ground water affected
Cross Street: FREITAS PKWY
Enf Type: F
Funding: LET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ART'S AUTO CARE (Continued)

S102424670

How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0604100257
Workplan: Not reported
Prelim Assess: 2007-09-20 00:00:00
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: 2008-01-10 00:00:00
MTBE Date: 2006-03-20 00:00:00
GW Qualifier: =
Soil Qualifier: Not reported
Max MTBE GW ppb: 75
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: OLIVIA SKANCE
RP Address: 6001 BOLLINGER CANYON RD., K-2196
Interim: No
Oversight Prgm: LUST
MTBE Class: C
MTBE Conc: 6
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: REL
Staff Initials: BM
Lead Agency: Regional Board
Local Agency: 21028
Hydr Basin #: Novato Valley (2-30)
Beneficial: Not reported
Priority: 2A4
Cleanup Fund Id: 11622
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: SRFD ORDERS REMOVAL OF ALL UST'S 1/26/93;MAXSL TPH-G

LUST:

Region: 2
Facility Id: 21-0275
Facility Status: Leak being confirmed
Case Number: 21-39
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 1/19/1995
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ART'S AUTO CARE (Continued)

S102424670

Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 1005 NORTHGATE DR

G42
NNW
1/8-1/4
0.229 mi.
1209 ft.

ARTS AUTO CARE
1005 NORTHGATE DR
SAN RAFAEL, CA 94903

CA FID UST S101588498
SWEEPS UST N/A

Site 2 of 5 in cluster G

Relative:
Higher

CA FID UST:

Facility ID: 21001170
Regulated By: UTNKA
Regulated ID: 00016020
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154796400
Mail To: Not reported
Mailing Address: 1005 NORTHGATE DR
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
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:
37 ft.

SWEEPS UST:

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-016020-000001
Actv Date: 02-07-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARTS AUTO CARE (Continued)

S101588498

Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 21-028-016020-000002
Actv Date: 02-07-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 21-028-016020-000003
Actv Date: 02-07-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 21-028-016020-000004
Actv Date: 07-01-85
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 5
Swrcb Tank Id: 21-028-016020-000005
Actv Date: 07-01-85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARTS AUTO CARE (Continued)

S101588498

Capacity: 550
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

**G43
NNW
1/8-1/4
0.229 mi.
1209 ft.**

**GATEWAY GAS
1005 NORTHGATE DRIVE
SAN RAFAEL, CA 94903**

**UST U003782222
N/A**

Site 3 of 5 in cluster G

**Relative:
Higher**

UST:
Local Agency: 21028
Facility ID: 300370

**Actual:
37 ft.**

UST:
Facility Id: 30-0370

Tank Number: 000001
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 05370
Last Inspected: 8/17/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 000002
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 05370
Last Inspected: 8/17/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

**G44
NNW
1/8-1/4
0.229 mi.
1209 ft.**

**ART'S TEXACO
1005 NORTHGATE DR
SAN RAFAEL, CA 94903**

**HIST UST U001600003
N/A**

Site 4 of 5 in cluster G

**Relative:
Higher**

HIST UST:
Region: STATE
Facility ID: 00000057007
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: ART BAPTISTA
Telephone: 4154796400

**Actual:
37 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ART'S TEXACO (Continued)

U001600003

Owner Name: R & F DISTRIBUTING
Owner Address: 2401 NO. STATE ST.
Owner City,St,Zip: UKIAH, CA 95482

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G45
NNW
1/8-1/4
0.229 mi.
1209 ft.

TEXACO
1005 NORTHGATE DR
SAN RAFAEL, CA 94903

Site 5 of 5 in cluster G

HAZNET **U001600025**
HIST UST **N/A**

Relative:
Higher

HAZNET:
Gepaid: CAC001023224
Contact: TEXCO
Telephone: 8185052734
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10 UNIVERSAL CITY PLAZA, FLR 7
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Marin
TSD EPA ID: CAD043260702
TSD County: San Mateo
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 40.1571
Facility County: Marin

Actual:
37 ft.

Gepaid: CAC001023224
Contact: TEXCO
Telephone: 8185052734
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10 UNIVERSAL CITY PLAZA, FLR 7
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Marin
TSD EPA ID: CAD004771168
TSD County: San Francisco
Waste Category: Empty containers less than 30 gallons
Disposal Method: Recycler
Tons: .1500
Facility County: Marin

Gepaid: CAC001023224
Contact: TEXCO
Telephone: 8185052734
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10 UNIVERSAL CITY PLAZA, FLR 7
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Marin
TSD EPA ID: CAD004771168
TSD County: San Francisco
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 6.0750
Facility County: Marin

HIST UST:
Region: STATE
Facility ID: 00000016020
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: SURPLUS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

U001600025

Telephone: 4154796400
Owner Name: TEXACO U.S.A.
Owner Address: 3350 WILSHIRE BLVD
Owner City,St,Zip: LOS ANGELES 90010

Tank Num: 001
Container Num: 1
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 002
Container Num: 0000000002
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Sensor Instrument

Tank Num: 003
Container Num: 3
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 004
Container Num: 4
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 005
Container Num: 5
Year Installed: 1965
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Visual

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

F46
NE
1/8-1/4
0.232 mi.
1225 ft.

HERB'S POOL SERVICE, INC.
3769 REDWOOD HIGHWAY
SAN RAFAEL, CA

UST **U004051114**
N/A

Site 2 of 2 in cluster F

Relative:
Higher

UST:
Facility Id: 30-0116

Actual:
85 ft.

Tank Number: Not reported
Tank Status: Not reported
Tank Contents: Not reported
Certificate Number: Not reported
Last Inspected: Not reported
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

47
NNE
1/4-1/2
0.332 mi.
1753 ft.

PACIFIC BELL
7 PROFESSIONAL CENTER PARKWAY
SAN RAFAEL, CA 94903

RCRA-SQG **1000250851**
FINDS **CAT080015761**
HAZNET
LUST
Cortese
CA FID UST
HIST UST
SWEEPS UST

Relative:
Lower

Actual:
26 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: PACIFIC BELL
Facility address: 7 PROFESSIONAL CENTER PARKWAY
 SAN RAFAEL, CA 94903

EPA ID: CAT080015761
Mailing address: 220 MONTGOMERY STREET RM 1051
 SAN FRANCISCO, CA 94104

Contact: Not reported
Contact address: Not reported
 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: THE PACIFIC TEL & TEL 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 01/09/1981
Facility name: PACIFIC BELL
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAT080015761
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: CAD982042475
TSD County: Solano
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: .2107
Facility County: Marin

Gepaid: CAT080015761
Contact: SHARON BAYLE/STAFF ASSOC
Telephone: 9258675741
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: 0.29
Facility County: Not reported

Gepaid: CAT080015761
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: .6255
Facility County: Marin

Gepaid: CAT080015761
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 0.2085
Facility County: Marin

Gepaid: CAT080015761

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

Contact: SHARON BAYLE/STAFF ASSOC
Telephone: 9258675741
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: Not reported
TSD County: San Mateo
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.44
Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:

Region: STATE
Status: Case Closed
Case Number: 21-0171
Local Case #: 57
Chemical: Kerosene
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Release Date: 1990-10-22 00:00:00
Discover Date: 1990-09-28 00:00:00
Report Date: 2007-02-20 00:00:00
Enforcement Dt: Not reported
Review Date: 1999-10-26 00:00:00
Enter Date: 1992-12-03 00:00:00
Stop Date: 1990-10-22 00:00:00
Confirm Leak: Not reported
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: F
Funding: CLOS
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0604100162
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 1992-11-05 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
MTBE Date: Not reported
GW Qualifier: =
Soil Qualifier: =
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

Responsible Party: BLANK RP
RP Address: Not reported
Interim: No
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: REL
Staff Initials: BM
Lead Agency: Regional Board
Local Agency: 21028
Hydr Basin #: UNNAMED BASIN
Beneficial: Not reported
Priority: 2A4
Cleanup Fund Id: 02409
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Closed Case - DataSafe Concord #30820 SI INDICATED ND IN 4 MW'S; AMXSL TOG

LUST:

Region: 2
Facility Id: 21-0171
Facility Status: Pollution Characterization
Case Number: 57
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 11/5/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 7 PROFESSIONAL PKWY

CA FID UST:

Facility ID: 21001560
Regulated By: UTNKA
Regulated ID: 00057735
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155426758
Mail To: Not reported
Mailing Address: 370 003RD ST
Mailing Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000057735
Facility Type: Other
Other Type: SIC 4800
Total Tanks: 0001
Contact Name: E.J. KOEHLER
Telephone: 4155426758
Owner Name: PACIFIC BELL
Owner Address: 370 THIRD STREET
Owner City,St,Zip: SAN FRANCISCO, CA 94107

Tank Num: 001
Container Num: 1
Year Installed: 1979
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: None

SWEEPS UST:

Status: A
Comp Number: 57735
Number: 9
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-057735-000001
Actv Date: 09-27-91
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H48 SCR-FAIRCHILD-4300 REDWOO
NNE 4300 REDWOOD
1/2-1 SAN RAFAEL, CA 94903
0.597 mi.
3150 ft. Site 1 of 2 in cluster H

Cortese S101481138
ENVIROSTOR N/A

Relative:
Lower

Cortese:
Region: CORTESE
Facility Addr2: Not reported

Actual:
22 ft.

ENVIROSTOR:

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: Berkeley
Facility ID: 21360001
Site Code: Not reported
Assembly: 06
Senate: 03
Special Program: * Rural County Survey Program
Status: Refer: RWQCB
Status Date: 1989-11-09 00:00:00
Restricted Use: NO
Funding: Not reported
Latitude: 38.013888888889
Longitude: -122.541111111111
Alias Name: 21360001
Alias Type: Envirostor ID Number

APN: NONE SPECIFIED
APN Description: Not reported
Comments: FACILITY IDENTIFIED RWQCB FILE: 5/7/82 LETTER - GROUNDWATER
CONTAMINATION / WASTE PLUME ON SITESITE SCREENING DONE ACTION STATUS
RATIONALE: SITE IS PENDING RWQCB ACTION RELATIVE TO THE WASTE PLUME
IDENTIFIED ON SITE.

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Discovery
Completed Date: 1987-02-01 00:00:00

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1989-12-15 00:00:00

Confirmed: NONE SPECIFIED
Confirmed Description: Not reported
Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Media Affected: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCR-FAIRCHILD-4300 REDWOOD (Continued)

S101481138

Media Affected Desc: Not reported
Management:
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: NONE SPECIFIED
Potential Description: 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
PastUse: NONE SPECIFIED

H49
NNE
1/2-1
0.597 mi.
3150 ft.

FAIRCHILD CAMERA & INSTRUMENT
4300 REDWOOD HWY
SAN RAFAEL, CA 94903
Site 2 of 2 in cluster H

FINDS **1000354465**
RCRA-TSDF **CAD009144619**
CORRACTS
CERC-NFRAP
HIST UST
RCRA-NonGen

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
22 ft.

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-TSDF:

Date form received by agency: 08/06/1992
Facility name: FAIRCHILD CAMERA & INSTRUMENT
Facility address: 4300 REDWOOD HWY
SAN RAFAEL, CA 94903
EPA ID: CAD009144619
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date: Not reported
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: FAIRCHILD, A SCHLUMBERGER CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Owner/operator address: 4300 REDWOOD HWY
SAN RAFAEL, CA 94903
Owner/operator country: Not reported
Owner/operator telephone: (415) 479-8000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FAIRCHILD, A SCHLUMBERGER CO
Owner/operator address: 4300 REDWOOD HWY
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 479-8000
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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 07/25/1980
Facility name: FAIRCHILD CAMERA & INSTRUMENT
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 04/30/1990
Event: CA036WQ

Event date: 06/01/1990
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 06/01/1990
Event: CA049PA

Event date: 06/01/1990
Event: CA074ME

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Event date: 06/01/1990
Event: CA029WQ

Event date: 04/23/1997
Event: RFA Completed, Assessment was an RFA.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/28/1989
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: 02/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
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 - Closure/Post-Closure
Date violation determined: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/28/1989
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: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

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 - Closure/Post-Closure
Date violation determined: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
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: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/28/1989
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: 02/27/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 06/14/1989
Evaluation lead agency: State

Evaluation date: 02/02/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/27/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/14/1989
Evaluation lead agency: State

Evaluation date: 01/27/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 06/14/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Evaluation lead agency: State

CORRACTS:

EPA ID: CAD009144619
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 6/1/1990
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 334413
Semiconductor and Related Device Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

CERC-NFRAP:

Site ID: 0903275
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Nuria Muniz
Contact Tel: (415) 972-3811
Contact Title: Site Assessment Manager (SAM)

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 07/28/1989
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 06/01/1990
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 01/23/1996
Priority Level: Not reported

HIST UST:

Region: STATE
Facility ID: 00000035373
Facility Type: Not reported
Other Type: Not reported
Total Tanks: 0002
Contact Name: RICHARD BOHNET
Telephone: 4154798000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Owner Name: FAIRCHILD CAMERA AND INSTRUMEN
Owner Address: 464 ELLIS ST.
Owner City,St,Zip: MT. VIEW, CA 94042

Tank Num: 001
Container Num: #1
Year Installed: 1960
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: Groundwater Monitoring Well

Tank Num: 002
Container Num: #2
Year Installed: 1960
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: Visual, Sensor Instrument

50
ESE
1/2-1
0.852 mi.
4499 ft.

MARINE CORPS RESERVE CENTER
153 MADISON AVE
SAN RAFAEL, CA 94903

Notify 65 **S100179433**
LUST **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: 92691

Actual:
29 ft.

LUST:
Region: STATE
Status: Preliminary site assessment underway
Case Number: 21-0075
Local Case #: 59
Chemical: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Excavate and Dispose - remove contaminated soil and dispose in approved site
Release Date: 1989-07-14 00:00:00
Discover Date: 1989-07-14 00:00:00
Report Date: Not reported
Enforcement Dt: Not reported
Review Date: 1997-04-10 00:00:00
Enter Date: 1990-03-09 00:00:00
Stop Date: 1991-01-09 00:00:00
Confirm Leak: Not reported
Case Type: Soil only
Cross Street: ROOSEVELT AVE
Enf Type: M

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE CORPS RESERVE CENTER (Continued)

S100179433

Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Structure Failure
Leak Source: Tank
Global Id: T0604100072
Workplan: Not reported
Prelim Assess: 1995-01-03 00:00:00
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Yes
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: REL
Staff Initials: BM
Lead Agency: Regional Board
Local Agency: 21028
Hydr Basin #: Novato Valley (2-30)
Beneficial: Not reported
Priority: 2A4
Cleanup Fund Id: Not reported
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: XSL TPH-D

LUST:

Region: 2
Facility Id: 21-0075
Facility Status: Preliminary site assessment underway
Case Number: 59
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE CORPS RESERVE CENTER (Continued)

S100179433

Preliminary Site Assessment Began: 1/3/1995
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

51
ESE
1/2-1
0.932 mi.
4922 ft.

MARINE CORPS RESERVE TRAINING CENTER
153 MADISON AVE.
SAN RAFAEL, CA 94903

ENVIROSTOR S101481159
N/A

Relative:
Equal

ENVIROSTOR:

Actual:
34 ft.

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: Berkeley
Facility ID: 21920002
Site Code: 200331
Assembly: 06
Senate: 03
Special Program: Not reported
Status: Refer: Other Agency
Status Date: 1994-06-23 00:00:00
Restricted Use: NO
Funding: Not reported
Latitude: 38.0013694714989
Longitude: -122.527632598818
Alias Name: 200331
Alias Type: Project Code (Site Code)
Alias Name: 21920002
Alias Type: Envirostor ID Number
Alias Name: CA NATIONAL GUARD
Alias Type: Alternate Name
Alias Name: CALIFORNIA NATIONAL
Alias Type: Alternate Name
Alias Name: NAVY RADIO TRAINING
Alias Type: Alternate Name
Alias Name: US MARINE TRAINING C
Alias Type: Alternate Name

APN: NONE SPECIFIED
APN Description: Not reported
Comments: Not reported

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1992-01-10 00:00:00

Confirmed: NONE SPECIFIED
Confirmed Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE CORPS RESERVE TRAINING CENTER (Continued)

S101481159

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Media Affected: NONE SPECIFIED
Media Affected Desc: Not reported

Management:

Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: NONE SPECIFIED
Potential Description: 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
PastUse: NONE SPECIFIED

52
NNE
1/2-1
0.965 mi.
5093 ft.

RICH ELECTRIC
110 CARLOS DR
SAN RAFAEL, CA 94901

Notify 65 **U000058140**
LUST **N/A**
Cortese

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: 92691

Actual:
24 ft.

LUST:

Region: STATE
Status: Case Closed
Case Number: 21-0181
Local Case #: 56
Chemical: Regular Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Excavate and Dispose - remove contaminated soil and dispose in approved site
Release Date: 1989-05-25 00:00:00
Discover Date: 1989-08-15 00:00:00
Report Date: 1995-11-03 00:00:00
Enforcement Dt: Not reported
Review Date: 1999-10-26 00:00:00
Enter Date: 1993-03-24 00:00:00
Stop Date: 1989-08-15 00:00:00
Confirm Leak: Not reported
Case Type: Other ground water affected
Cross Street: MITCHELL BLVD
Enf Type: F
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICH ELECTRIC (Continued)

U000058140

Leak Source: UNK
Global Id: T0604100172
Workplan: Not reported
Prelim Assess: 1993-04-09 00:00:00
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 21
Org Name: Not reported
Reg Board: San Francisco Bay Region
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Yes
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: JMJ
Staff Initials: BM
Lead Agency: Local Agency
Local Agency: 21028
Hydr Basin #: Novato Valley (2-30)
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: 08782
Work Suspended: No
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: ARCHIVED 3/1/96 CONTROL NO 120-009 SRC 0904659

LUST:

Region: 2
Facility Id: 21-0181
Facility Status: Case Closed
Case Number: 56
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 4/9/1993
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICH ELECTRIC (Continued)

U000058140

Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 110 CARLOS DR

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MARIN COUNTY	S105632050		US 101 EST BLYTHEDAILE EXIT		CHMIRS, SLIC
SAN RAFAEL	U003974753	CHINA CAMP STATE PARK	1 ROUTE 1, BOX 244	94903	UST
SAN RAFAEL	U003914495	CHINA CAMP	CHINA CAMP STATE PARK	94903	UST
SAN RAFAEL	U003940456	MARIN COUNTY - GARAGE	3501 CIVIC CENTER DR. (GARAGE & ADMIN. BLDG.)	94903	UST
SAN RAFAEL	S106929076	MARIN COUNTY	3501 CIVIC DR		SWEEPS UST
SAN RAFAEL	1004678370	MARIN MUNI WTR MILLER CREEK TK	1677 LUCAS VLY RD DWY RT OF	94903	RCRA-SQG, FINDS
SAN RAFAEL	1001231293	WOLF CAMERA NO 991	190 NORTHGATE DR	94903	FINDS, RCRA-NonGen

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 08/13/2008	Source: EPA
Date Data Arrived at EDR: 08/27/2008	Telephone: N/A
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/26/2009
	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: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 08/14/2008	Source: EPA
Date Data Arrived at EDR: 08/27/2008	Telephone: N/A
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/17/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/09/2008	Source: EPA
Date Data Arrived at EDR: 07/22/2008	Telephone: 703-412-9810
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 09/15/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/15/2008
	Data Release Frequency: Quarterly

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.

Date of Government Version: 08/19/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/29/2008	Telephone: 202-564-6023
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 11	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008	Source: EPA
Date Data Arrived at EDR: 09/19/2008	Telephone: 800-424-9346
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 09/02/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/01/2008
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 11/17/2008
Data Release Frequency: Quarterly

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: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 11/17/2008
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: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 11/17/2008
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: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 11/17/2008
Data Release Frequency: Varies

RCRA-NonGen: 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: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 11/17/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/29/2008
	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: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 10/21/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/30/2008	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/15/2008	Telephone: 202-366-4555
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 08/29/2008
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/24/2008
	Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 10/31/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 08/25/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Semi-Annually

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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/05/2008
Next Scheduled EDR Contact: 12/29/2008
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: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/09/2008
Next Scheduled EDR Contact: 12/08/2008
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2008
Date Data Arrived at EDR: 06/12/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
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: 06/18/2008
Date Data Arrived at EDR: 07/11/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 45

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
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: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Varies

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: 08/07/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/22/2008
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/12/2008
Date Data Arrived at EDR: 07/18/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 38

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
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: 07/12/2008
Date Data Arrived at EDR: 07/18/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 38

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
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: 07/31/2008
Date Data Arrived at EDR: 08/13/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
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: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 09/18/2008
Next Scheduled EDR Contact: 11/03/2008
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: 07/08/2008
Date Data Arrived at EDR: 08/05/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 20

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
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: 07/29/2008
Date Data Arrived at EDR: 07/31/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/01/2008	Source: EPA
Date Data Arrived at EDR: 07/09/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 09/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Biennially

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: 09/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2008	Telephone: 615-532-8599
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Varies

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 08/25/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/24/2008
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2008
Next Scheduled EDR Contact: 11/24/2008
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 11/04/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/09/2008
Date Made Active in Reports: 09/18/2008
Number of Days to Update: 9

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 09/09/2008
Next Scheduled EDR Contact: 12/08/2008
Data Release Frequency: Quarterly

CA 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: 09/29/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/14/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/10/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 10/08/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 07/03/2008
Date Data Arrived at EDR: 07/11/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 11/04/2008
Next Scheduled EDR Contact: 01/05/2009
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
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/22/2008
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, Calveras, 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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/22/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/02/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
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
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
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: 11/04/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/02/2009
	Data Release Frequency: Varies

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

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: 07/03/2008	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/11/2008	Telephone: 866-480-1028
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/04/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/05/2009
	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: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/17/2008
	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: 10/06/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/05/2009
	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: 11/10/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/09/2009
	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: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
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: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
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: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
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: 09/02/2008
Next Scheduled EDR Contact: 12/01/2008
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: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
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: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
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: 08/25/2008
Next Scheduled EDR Contact: 11/24/2008
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/10/2008
Date Data Arrived at EDR: 07/10/2008
Date Made Active in Reports: 07/25/2008
Number of Days to Update: 15

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 11/04/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 10

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Varies

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007
Date Data Arrived at EDR: 11/27/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 10/27/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/04/2008
Date Data Arrived at EDR: 08/08/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 26

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/03/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/09/2008
Date Made Active in Reports: 06/20/2008
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 09/30/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/30/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2008
Next Scheduled EDR Contact: 11/24/2008
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2008
Date Data Arrived at EDR: 09/24/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 5

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/29/2008
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: 02/26/2008
Date Data Arrived at EDR: 04/23/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 11/03/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2008
Next Scheduled EDR Contact: 11/24/2008
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 10/04/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 34

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2008
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: 12/31/2005
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 23

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/22/2008
Date Data Arrived at EDR: 09/22/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 7

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/08/2008
Next Scheduled EDR Contact: 12/08/2008
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2008
Next Scheduled EDR Contact: 11/24/2008
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

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: 08/25/2008
Next Scheduled EDR Contact: 11/24/2008
Data Release Frequency: Varies

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: 08/21/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 5

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/18/2008
Next Scheduled EDR Contact: 11/17/2008
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: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-8677
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	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: 10/10/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/10/2008	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/22/2008	Source: EPA Region 10
Date Data Arrived at EDR: 08/22/2008	Telephone: 206-553-2857
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/05/2008	Source: EPA Region 6
Date Data Arrived at EDR: 09/05/2008	Telephone: 214-665-6597
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-9424
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/18/2008
Next Scheduled EDR Contact: 11/17/2008
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/21/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 5

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/22/2008
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 18

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

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: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/21/2008	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 08/22/2008	Telephone: 510-567-6700
Date Made Active in Reports: 09/03/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 12	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 08/21/2008	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 08/22/2008	Telephone: 510-567-6700
Date Made Active in Reports: 08/29/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 09/03/2008	Source: Contra Costa Health Services Department
Date Data Arrived at EDR: 09/04/2008	Telephone: 925-646-2286
Date Made Active in Reports: 09/18/2008	Last EDR Contact: 08/25/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/24/2008
	Data Release Frequency: Semi-Annually

FRESNO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/07/2008	Source: Dept. of Community Health
Date Data Arrived at EDR: 08/08/2008	Telephone: 559-445-3271
Date Made Active in Reports: 09/03/2008	Last EDR Contact: 11/03/2008
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/02/2009
	Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 09/15/2008	Source: Kern County Environment Health Services Department
Date Data Arrived at EDR: 09/16/2008	Telephone: 661-862-8700
Date Made Active in Reports: 10/01/2008	Last EDR Contact: 09/15/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/01/2008
	Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998	Source: EPA Region 9
Date Data Arrived at EDR: 07/07/1999	Telephone: 415-972-3178
Date Made Active in Reports: N/A	Last EDR Contact: 10/14/2008
Number of Days to Update: 0	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/30/2008	Source: Department of Public Works
Date Data Arrived at EDR: 06/24/2008	Telephone: 626-458-3517
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/02/2009
	Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 08/12/2008	Source: La County Department of Public Works
Date Data Arrived at EDR: 08/22/2008	Telephone: 818-458-5185
Date Made Active in Reports: 09/03/2008	Last EDR Contact: 11/13/2008
Number of Days to Update: 12	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2008	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/20/2008	Telephone: 213-473-7869
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 09/08/2008
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/14/2008	Source: Community Health Services
Date Data Arrived at EDR: 04/10/2008	Telephone: 323-890-7806
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/02/2009
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 09/19/2008	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 10/06/2008	Telephone: 310-524-2236
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/02/2009
	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: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 11/17/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 08/26/2008	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 09/11/2008	Telephone: 310-618-2973
Date Made Active in Reports: 10/01/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/02/2009
	Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 08/04/2008	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 08/29/2008	Telephone: 415-499-6647
Date Made Active in Reports: 09/15/2008	Last EDR Contact: 10/27/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 07/09/2008	Telephone: 707-253-4269
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 09/22/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/22/2008
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 09/02/2008
Date Data Arrived at EDR: 09/16/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 13

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/04/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 09/02/2008
Date Data Arrived at EDR: 09/17/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 12

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/04/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/02/2008
Date Data Arrived at EDR: 09/25/2008
Date Made Active in Reports: 10/01/2008
Number of Days to Update: 6

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/04/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007
Date Data Arrived at EDR: 07/23/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 17

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
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: 07/15/2008
Date Data Arrived at EDR: 07/18/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 13

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/02/2008	Source: Health Services Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 951-358-5055
Date Made Active in Reports: 08/29/2008	Last EDR Contact: 10/14/2008
Number of Days to Update: 31	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/08/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 08/08/2008	Telephone: 916-875-8406
Date Made Active in Reports: 09/03/2008	Last EDR Contact: 10/29/2008
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/08/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 08/08/2008	Telephone: 916-875-8406
Date Made Active in Reports: 09/03/2008	Last EDR Contact: 10/29/2008
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 10/01/2008	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 10/06/2008	Telephone: 909-387-3041
Date Made Active in Reports: 10/13/2008	Last EDR Contact: 09/02/2008
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/01/2008
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 05/18/2005	Telephone: 619-338-2268
Date Made Active in Reports: 06/16/2005	Last EDR Contact: 10/29/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 9

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 11/17/2008
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: 06/04/2008
Date Data Arrived at EDR: 07/25/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 6

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/30/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Varies

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: 09/15/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Quarterly

Underground Storage Tank Information

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: 10/01/2008
Number of Days to Update: 12

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 08/26/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/15/2008
Number of Days to Update: 19

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/18/2008
Date Data Arrived at EDR: 06/18/2008
Date Made Active in Reports: 06/20/2008
Number of Days to Update: 2

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/07/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 6

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

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: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/24/2008
Date Data Arrived at EDR: 09/25/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 4

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 09/02/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/18/2008
Number of Days to Update: 14

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 09/02/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/22/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/22/2008
Date Data Arrived at EDR: 07/03/2008
Date Made Active in Reports: 07/25/2008
Number of Days to Update: 22

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Quarterly

SONOMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2008	Source: Department of Health Services
Date Data Arrived at EDR: 07/22/2008	Telephone: 707-565-6565
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 09/29/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/29/2008	Source: Ventura County 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: 09/10/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 09/04/2008	Telephone: 805-654-2813
Date Made Active in Reports: 09/18/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/16/2009
	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: 09/09/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/08/2008
	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: 10/01/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 10/08/2008	Telephone: 805-654-2813
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 10/08/2008
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 08/11/2008	Source: Yolo County Department of Health
Date Data Arrived at EDR: 08/29/2008	Telephone: 530-666-8646
Date Made Active in Reports: 09/15/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 09/12/2008
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/04/2007	Telephone: N/A
Date Made Active in Reports: 12/31/2007	Last EDR Contact: 11/07/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/02/2009
	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: 07/23/2008	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/28/2008	Telephone: 518-402-8651
Date Made Active in Reports: 09/11/2008	Last EDR Contact: 08/28/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/24/2008
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/11/2008	Telephone: N/A
Date Made Active in Reports: 10/02/2008	Last EDR Contact: 09/08/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/07/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/10/2008	Telephone: 401-222-2797
Date Made Active in Reports: 10/28/2008	Last EDR Contact: 09/15/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 12/15/2008
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007

Date Data Arrived at EDR: 08/22/2008

Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 10/06/2008

Next Scheduled EDR Contact: 01/05/2009

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MERVYNS
5010 NORTHGATE MALL
SAN RAFAEL, CA 94903

TARGET PROPERTY COORDINATES

Latitude (North):	38.00510 - 38° 0' 18.4"
Longitude (West):	122.5436 - 122° 32' 37.0"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	540069.0
UTM Y (Meters):	4206273.5
Elevation:	34 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	38122-A5 NOVATO, CA
Most Recent Revision:	1980
South Map:	37122-H5 SAN RAFAEL, CA
Most Recent Revision:	1999

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

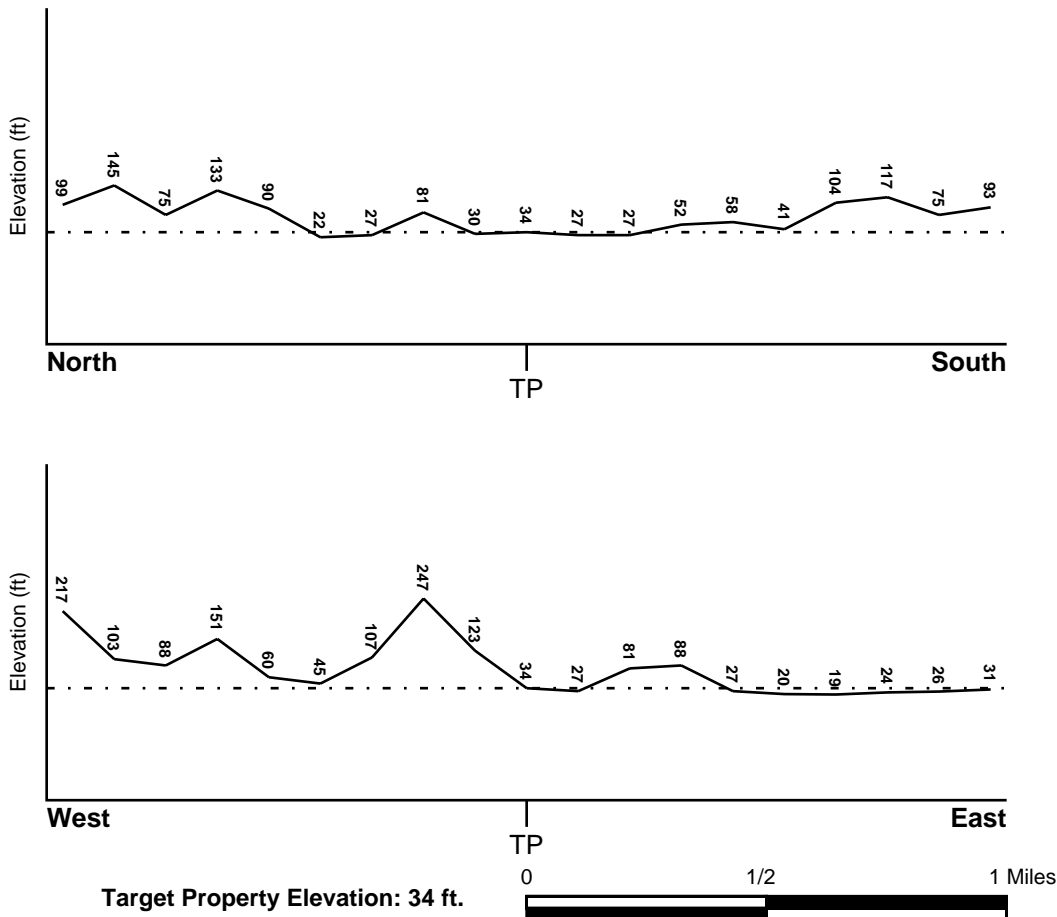
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

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> MARIN, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	0650580005B
Additional Panels in search area:	0601730269A 0601730450A

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> NOVATO	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>
A1	1/4 - 1/2 Mile North	SW
A2	1/4 - 1/2 Mile North	Varies
A3	1/4 - 1/2 Mile North	NW
5	1/4 - 1/2 Mile NNW	Not Reported
6	1/4 - 1/2 Mile NNE	W
7	1/2 - 1 Mile West	Not Reported
8	1/2 - 1 Mile SE	E
9	1/2 - 1 Mile NNE	Not Reported

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
10	1/2 - 1 Mile NNE	NE
B11	1/2 - 1 Mile NNE	NW
B12	1/2 - 1 Mile NNE	Not Reported
13	1/2 - 1 Mile ESE	W
B14	1/2 - 1 Mile NNE	Varies

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

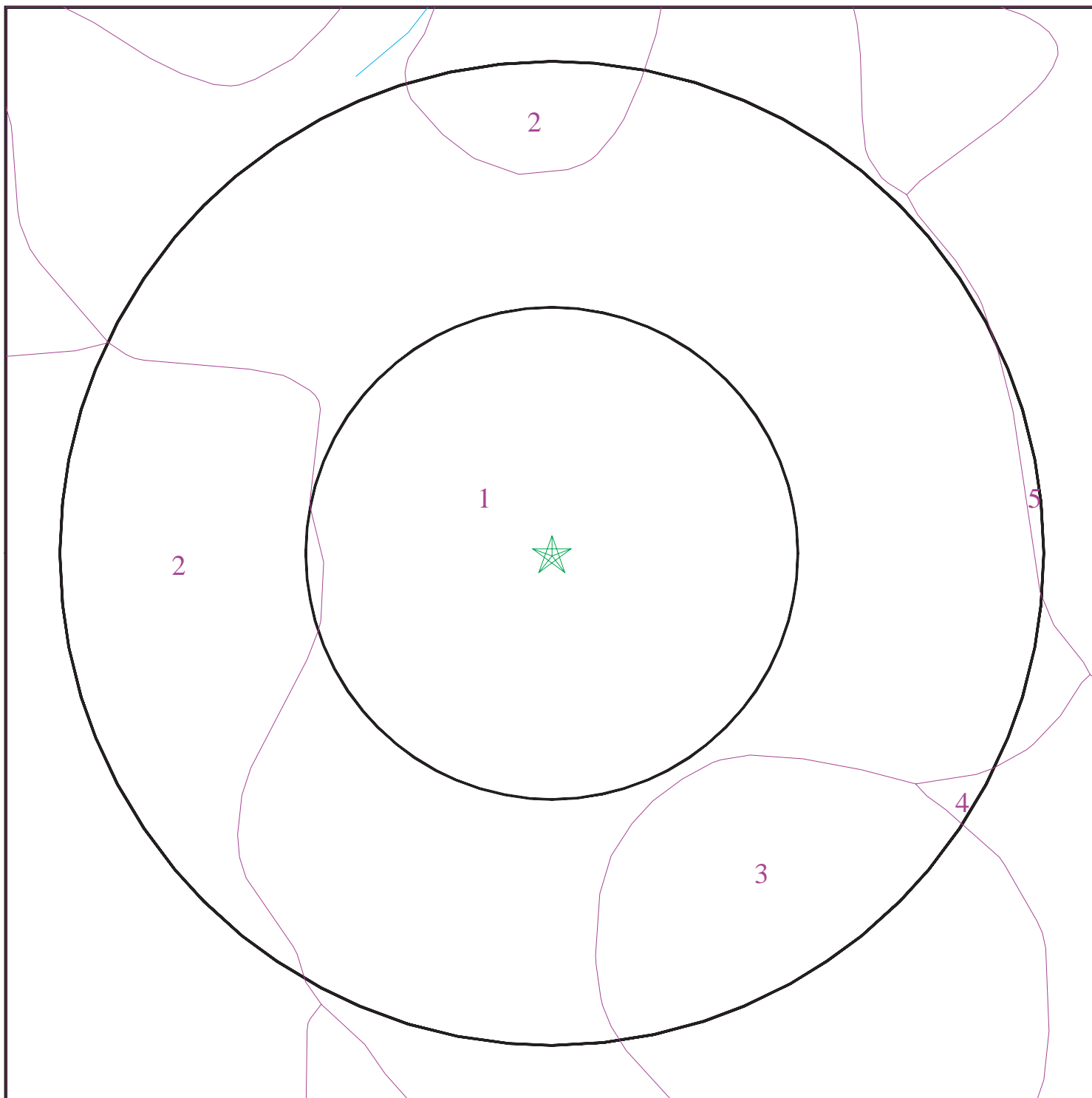
Era: Cenozoic
System: Tertiary
Series: Pliocene
Code: Tp (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

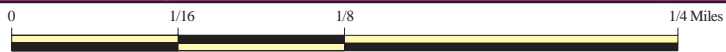
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 02365738.140r



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Mervyns
ADDRESS: 5010 Northgate Mall
San Rafael CA 94903
LAT/LONG: 38.0051 / 122.5436

CLIENT: Bureau Veritas North America, Inc.
CONTACT: Richard D. Fehler
INQUIRY #: 02365738.140r
DATE: November 18, 2008 11:21 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: URBAN LAND

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially 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: 2

Soil Component Name: SAURIN

Soil Surface Texture: clay loam

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	9 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	33 inches	37 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 3

Soil Component Name: SAURIN

Soil Surface Texture: clay 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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	9 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	33 inches	37 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: XERORTHENTS

Soil Surface Texture: clay 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:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: TOCALOMA

Soil Surface Texture: 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: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

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	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	18 inches	38 inches	very gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	38 inches	42 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

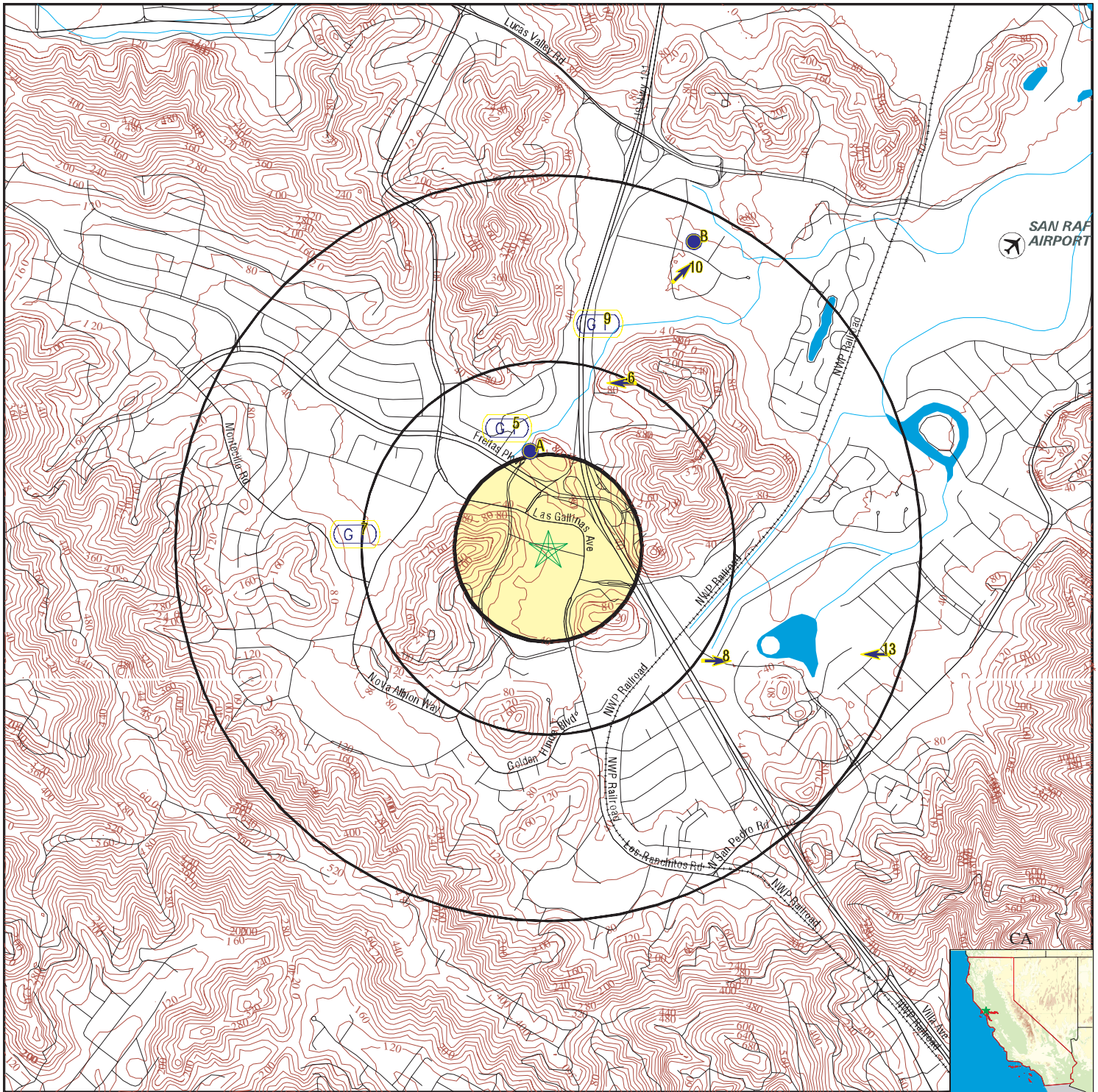
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

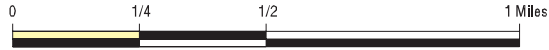
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 02365738.140r



- 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: Mervyns
 ADDRESS: 5010 Northgate Mall
 San Rafael CA 94903
 LAT/LONG: 38.0051 / 122.5436

CLIENT: Bureau Veritas North America, Inc.
 CONTACT: Richard D. Fehler
 INQUIRY #: 02365738.140r
 DATE: November 18, 2008 11:21 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
A1	Site ID:	Not Reported		AQUIFLOW	52886
North	Groundwater Flow:	SW			
1/4 - 1/2 Mile	Shallow Water Depth:	7.21			
Higher	Deep Water Depth:	12.89			
	Average Water Depth:	Not Reported			
	Date:	02/20/1996			
A2	Site ID:	Not Reported		AQUIFLOW	52885
North	Groundwater Flow:	Varies			
1/4 - 1/2 Mile	Shallow Water Depth:	0.16			
Higher	Deep Water Depth:	15.10			
	Average Water Depth:	Not Reported			
	Date:	07/30/1999			
A3	Site ID:	Not Reported		AQUIFLOW	52895
North	Groundwater Flow:	NW			
1/4 - 1/2 Mile	Shallow Water Depth:	4.5			
Higher	Deep Water Depth:	14			
	Average Water Depth:	Not Reported			
	Date:	08/06/1998			
A4	Site ID:	Not Reported		AQUIFLOW	52892
North	Groundwater Flow:	Not Reported			
1/4 - 1/2 Mile	Shallow Water Depth:	10.5			
Higher	Deep Water Depth:	19			
	Average Water Depth:	Not Reported			
	Date:	04/16/1990			
5	Site ID:	Not Reported		AQUIFLOW	50393
NNW	Groundwater Flow:	Not Reported			
1/4 - 1/2 Mile	Shallow Water Depth:	5.00			
Lower	Deep Water Depth:	12.50			
	Average Water Depth:	Not Reported			
	Date:	04/28/1999			
6	Site ID:	Not Reported		AQUIFLOW	52834
NNE	Groundwater Flow:	W			
1/4 - 1/2 Mile	Shallow Water Depth:	Not Reported			
Higher	Deep Water Depth:	Not Reported			
	Average Water Depth:	5			
	Date:	06/1991			
7	Site ID:	Not Reported		AQUIFLOW	52891
West	Groundwater Flow:	Not Reported			
1/2 - 1 Mile	Shallow Water Depth:	Not Reported			
Higher	Deep Water Depth:	Not Reported			
	Average Water Depth:	7			
	Date:	10/01/1993			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
8 SE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	21-0071 E Not Reported Not Reported 8.20 12/19/1991	AQUIFLOW	39101
9 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported 6.5 7.5 Not Reported 04/15/1996	AQUIFLOW	52872
10 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NE 6.92 7.62 Not Reported 11/21/1994	AQUIFLOW	50365
B11 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW 4 9 Not Reported 04/29/1995	AQUIFLOW	52867
B12 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported 7.31 11.07 Not Reported 01/05/1990	AQUIFLOW	52951
13 ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W Not Reported Not Reported 13.5 12/18/1991	AQUIFLOW	50357
B14 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies 3.91 6.60 Not Reported 09/08/1995	AQUIFLOW	50379

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
94903	16	2	12.50

Federal EPA Radon Zone for MARIN County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94903

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.930 pCi/L	80%	20%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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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Fax To: Bureau Veritas North America, Inc.
Contact: Richard D. Fehler
Fax : 925-426-0106
Date: 11/18/2008

Fax From: Adrian Blackman
EDR
Phone: 1-800-352-0050

EDR PUR-IQ[®] Report

"the intelligent way to conduct historical research"

for
Mervyns
5010 Northgate Mall
San Rafael, CA 94903
Lat./Long. 38.00510 / 122.54360
EDR Inquiry # 02365738.140r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching proprietary EDR-Prior Use Reports[®] comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

- 1. City Directory:** Coverage may exist for portions of Marin County, CA.
- 2. Fire Insurance Map:** When you order online any EDR Package or the EDR Radius Map with EDR Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.
- 3. Aerial Photograph:** Aerial photography coverage may exist for portions of Marin County. Please contact your EDR Account Executive for information about USGS photos available through EDR.
- 4. Topographic Map:** The USGS 7.5 min. quad topo sheet(s) associated with this site:

Historical: Coverage exists for MARIN County

Current: Target Property: TP | 1980 | 38122-A5 Novato, CA
Additional required for 1 Mile radius: S | 1999 | 37122-H5 San Rafael, CA

- 5. Flood Insurance Rate Maps (FEMA) :** Coverage is available for MARIN county.

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs, flood maps and historical topographic map resources available for San Rafael, CA. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.



EDR™ Environmental
Data Resources Inc

EDR - HISTORICAL SOURCE(S) ORDER FORM

**Bureau Veritas North America, Inc.
Richard D. Fehler
Account # 1021393**

**Mervyns
5010 Northgate Mall
San Rafael, CA 94903
MARIN County
Lat./Long. 38.00510 / 122.54360
EDR Inquiry # 02365738.140r**

Should you wish to change or add to your order, fax this form to your EDR account executive:

**Adrian Blackman
Ph: 1-800-352-0050 Fax: 1-800-231-6802**

Reports

- EDR Sanborn Map® Search/Print
- EDR Fire Insurance Map Abstract
- EDR Multi-Tenant Retail Facility® Report
- EDR City Directory Abstract
- EDR Aerial Photo Decade Package
- USGS Aerial 5 Package
- USGS Aerial 3 Package
- EDR Historical Topographic Maps
- Paper Current USGS Topo (7.5 min.)
- Environmental Lien Search
- Chain of Title Search
- NJ MacRaes Industrial Directory Report
- EDR Telephone Interview

Shipping:

- Email
- Express, Next Day Delivery
- Express, Second Day Delivery
- Express, Next day Delivery
- Express, Second Day Delivery
- U.S. Mail

Customer Account
Customer Account

RUSH SERVICE IS AVAILABLE

Acct # _____
Acct # _____

Thank you

AEI Consultants

August 6, 2009

284110/NorthgateMall/09-003136-01-1
284110

Ms. Thomas,

The attached report was prepared for US Bank by AEI Consultants. You have requested a copy of this report and AEI Consultants is providing you a copy subject to the following conditions:

- The report reflects the condition of the subject property on the date of the assessment and may not reflect its current condition.
- AEI Consultants appreciates the opportunity to work with you on this project, and trusts that this information is sufficient for your needs.

If you have any questions or comments, or need additional information, please call our office at 925-746-6000. Once again, thank you for your continued confidence in AEI Consultants.

Sincerely,
Brie Solaegui
Project Manager

AEI Consultants

**Phase I Environmental
Site Assessment Report**

**Northgate Mall
5800 Northgate Mall
San Rafael, California 94903**

Prepared for

US Bank
950 17th St., 12th Floor
Denver, Colorado 80202

Prepared by

AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
Phone: 925.283.6000

Job Number: 284110
08/06/2009

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Executive Summary

General Information

Project Information:

284110/NorthgateMall/09-003136-01-1
Project Number: 284110
RIMS Project #: 09-003136-01-1

Site Information:

Northgate Mall
5800 Northgate Mall
San Rafael, CA 94903
County: Marin
Latitude, Longitude: 38.005200, -122.544000
Site Access Contact:

Consultant Information:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Phone: 925.283.6000
Fax: 925.746.6099
E-mail Address: bsolaegui@aeiconsultants.com
Inspection Date: 07/14/2009
Report Date: 08/06/2009

Client Information:

US Bank
Karla Thomas
950 17th St., 12th Floor
Denver, CO 80202

Site Assessor:



Brie Solaegui
Project Manager

Senior Reviewer:



Orion Alcalay
Vice President, Due Diligence Services

On Behalf Of Peter McIntyre, PG, REA - Senior Project Reviewer

EP Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of this part.



Orion Alcalay - Vice President, Due Diligence Services

Standard Certification:

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Brie Solaegui - Project Manager

1.0 Executive Summary

1.1 Subject Property Description

The subject property is bound by Las Gallinas Avenue to the north and northeast, Los Ranchitos Road to the east, and Northgate Drive to the west and south and is bisected by Northgate Mall. The site is located in a mixed commercial and residential area of San Rafael, California. The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macy's (1000 Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). In addition to the subject property buildings, the property is improved with asphalt-paved parking areas and associated landscaping.

1.0 Executive Summary (continued)

1.1 Subject Property Description (continued)

Various subject property tenants (current and former) were identified in the regulatory database as Resource Conservation Recovery Act (RCRA) Small Quantity Generator (SQG), Facility Index Site (FINDS), California Hazardous Materials Incident Report System (CHMIRS), Haznet, National Pollutant Discharge Elimination System (NPDES), Drycleaners, Historical (HIST) Underground Storage Tank (UST), Emissions Inventory (EMI) and Aboveground Storage Tank (AST) sites, and are further discussed in Section 6.0.

According to historical sources, the current subject property mall buildings were constructed beginning sometime between 1960 and 1965 for use as commercial buildings, the current automotive repair building (and associated gasoline dispensers) was constructed in 1971 and several more retail buildings were present on the site by 1980. By 1993 the site was developed as it is today. Prior to the construction of the buildings, the property was vacant land from at least 1946 to 1954. Addresses associated with the subject property include 1000-9000 Northgate Mall. This address range was researched during this investigation.

Please refer to Sections 4.2, 6.0 and 8.0 for further information regarding the current and former auto repair operations.

The immediately surrounding properties consist of Las Gallinas Avenue followed by offices (920 Northgate Drive), a 76 Gas Station (921 Del Presidio Boulevard), a Valero Gas Station (923 Del Presidio Boulevard) and various bank/office buildings (600-670 Las Gallinas Avenue) to the north; Las Gallinas Avenue followed by an office building (800 Las Gallinas Avenue), a shopping center (400-470 Las Gallinas Avenue), Goodyear Tire (496 Las Gallinas Avenue), Chase Bank (300 Las Gallinas Avenue) and Los Ranchitos Road followed by a cemetery to the east; Northgate Drive followed by an office building (555 Northgate Drive) and various single- and multi-family residences to the south; and Northgate Drive followed by vacant land and an office building (899 Northgate Drive) to the west.

Adjacent sites to the east beyond Las Gallinas Avenue were identified in the regulatory database as HIST UST, Drycleaners, FINDS, Haznet and RCRA SQG sites, while adjacent sites to the north beyond Las Gallinas Avenue were identified as RCRA SQG, RCRA Large Quantity Generator (LQG), UST, HIST Cortese, Leaking Underground Storage Tank (LUST), CHMIRS, HIST UST, Statewide Environmental Evaluation and Planning System (SWEEPS) UST, California (CA) Facility Inventory Database (FID) UST and UST sites and are further discussed in Section 6.0.

Based upon topographic map interpretation, groundwater flow beneath the subject property is inferred to be to the east-northeast and based on groundwater monitoring data for a nearby site, groundwater is expected to be encountered at 1 to 12 feet below ground surface (bgs).

1.2 Environmental Report Summary

Recognized environmental conditions (RECs) are defined by the ASTM Standard Practice E1527-05 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. AEI's investigation has revealed the following recognized environmental conditions associated with the subject property or nearby properties:

- The subject property Sears Automotive Center is currently equipped with 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. No information identifying the specific installation date was available for review, therefore these lifts were presumably installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and the soil was found to contain up to 11,000 parts per million Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm. Groundwater was not encountered to seven feet bgs (soil boring maximum depth) and therefore no groundwater samples were collected. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the current hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts the potential exists that the current lifts may have also leaked. In

1.0 Executive Summary (continued)**1.2 Environmental Report Summary (continued)**

addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater could be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil surrounding the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.

- Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.
- According to historical sources, it appears the subject property was developed with a gas station and automotive center in 1971/1972. According to a November 1999 San Rafael Fire Department (SRFD) letter to Sears, Roebuck and Co, up to eight gasoline, waste oil and/or new oil underground storage tanks (USTs) were associated with the onsite Sears Automotive Center and were reportedly removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994. However, a Marin County Environmental Health Department (MCEHD) UST removal application and a UST removal invoice provided by the client only identified the removal of four USTs and it is therefore unclear if USTs remain on the subject property. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property and according to the 1999 SRFD letter, further soil borings and groundwater samples were needed at the site to sample for Methyl tert-Butyl Ether (MtBE) prior to site closure per the Regional Water Quality Control Board (RWQCB). No information regarding the testing of the site for MtBE was provided to AEI or available at the MCEHD, SRFD or RWQCB. While a 1987 "Clearance" letter does exist for the property, based on the lack of sampling data associated with the removal of the USTs, the lack of MtBE sampling; and the lack of removal documentation available for the USTs, it is unknown whether any contamination or USTs remain at the subject property and therefore the USTs represent a significant environmental concern.

Historical recognized environmental conditions (HRECs) are defined by the ASTM Standard Practice E1527-05 as an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. AEI's investigation has revealed the following historical recognized environmental conditions associated with the subject property or nearby properties:

- No on-site historical recognized environmental conditions were identified during the course of this investigation.

Environmental issues include environmental concerns identified by AEI that warrant discussion but do not qualify as recognized environmental conditions, as defined by the ASTM Standard Practice E1527-05. AEI's investigation has revealed the following environmental issues associated with the subject property or nearby properties:

- Due to the age of the subject property buildings, there is a potential that asbestos-containing materials (ACMs) are present. All suspect ACMs were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.
-

1.0 Executive Summary (continued)**1.2 Environmental Report Summary (continued)**

Due to the age of the subject property buildings, there is a potential that lead-based paint (LBP) is present. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62

Report Section	Results	Recommendations	Cost Estimate Range
1.3	Data Gaps	Low-Risk	None
3.2	Activity and Use Limitations	No Risk	None
4.1	Environmental Liens	No Risk	None
5.1	Historical Background	Potentially Sig. Risk	Phase II
			Approximately \$20,000 for UST/clarifier/belowground lift sampling
5.2	Subject Property	Potentially Sig. Risk	Phase II
			See cost estimate for Historical Background
5.3	Adjoining Properties	Low-Risk	None
6.0	Federal, State, Local & Tribal Database Listings	Low-Risk	None
7.1	Hazardous Substances	Low-Risk	None
7.2	Unidentified Containers	No Risk	None
7.3	Staining	No Risk	None
7.4	Stressed Vegetation	No Risk	None
7.5	Aboveground Storage Tanks (ASTs)	Low-Risk	None
7.6	Underground Storage Tanks (USTs)	Potentially Sig. Risk	Phase II
			Approximately \$2,000
7.7	Pits, Ponds, And Lagoons	No Risk	None
7.8	PCB-Containing Equipment	Potentially Sig. Risk	Phase II
			See cost estimate for Historical Background
7.9	Solid Waste Disposal	No Risk	None
7.10	Wetlands	No Risk	None
7.11	Septic System with On-Site Drainfield	No Risk	None
7.12	Oil/Water Separator	Potentially Sig. Risk	Phase II
			See cost estimate for Historical Background
7.13	Dry Wells or Injection Wells	No Risk	None
7.14	Contamination of Soil	No Risk	None
7.15	Contamination of Groundwater	No Risk	None
7.16	Vapor Intrusion	No Risk	None
7.17	Use of Pesticides on Site	No Risk	None
7.18.1	Asbestos	Low-Risk	None
7.18.2	Lead	Low-Risk	None
7.18.3	Radon	Low-Risk	None
7.18.4	Lead in Drinking Water	Low-Risk	None
7.18.5	Mold	Low-Risk	None
7.18.6	All Other Concerns	Not Applicable	None

1.0 Executive Summary (continued)**1.2 Environmental Report Summary (continued)**

<i>Report Section</i>		<i>Results</i>	<i>Recommendations</i>	<i>Cost Estimate Range</i>
8.0	<i>Interviews</i>	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background

1.3 Data Gaps

The following data gap was identified during the course of this investigation:

The earliest historical resource obtained during this investigation was an aerial photograph from 1946. The lack of historical sources for the subject property between 1940 and 1946 represents historical data source failure. However, in the 1946 aerial photograph, the subject property and surrounding area appear as vacant land. Thus, it is assumed that prior to 1957 the subject property would have been undeveloped. Based on this notion, this data gap is not expected to significantly alter the findings of this investigation.

1.4 Findings and Opinions

AEI's investigation revealed recognized environmental conditions associated with the subject property that require further investigation.

1.5 Recommendations

Subsurface sampling in the vicinity of the current and former lifts, area of the clarifier and area of the former USTs is recommended to determine if the historical and current use of hazardous materials by Sears, Roebuck and Co. has affected the subject property.

Additionally, a geophysical survey would need to be performed to determine if any USTs currently remain on the subject property.

Detail Report

General Information

Project Information:

284110/NorthgateMall/09-003136-01-1
Project Number: 284110
RIMS Project #: 09-003136-01-1

Site Information:

Northgate Mall
5800 Northgate Mall
San Rafael, CA 94903
County: Marin
Latitude, Longitude: 38.005200, -122.544000
Site Access Contact:

Consultant Information:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Phone: 925.283.6000
Fax: 925.746.6099
E-mail Address: bsolaegui@aeiconsultants.com
Inspection Date: 07/14/2009
Report Date: 08/06/2009

Client Information:

US Bank
Karla Thomas
950 17th St., 12th Floor
Denver, CO 80202

Site Assessor:



Brie Solaegui
Project Manager

Senior Reviewer:



Orion Alcalay
Vice President, Due Diligence Services

On Behalf Of Peter McIntyre, PG, REA - Senior Project Reviewer

EP Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of this part.



Orion Alcalay - Vice President, Due Diligence Services

Standard Certification:

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Brie Solaegui - Project Manager

1.0 Executive Summary

1.1 Subject Property Description

The subject property is bound by Las Gallinas Avenue to the north and northeast, Los Ranchitos Road to the east, and Northgate Drive to the west and south and is bisected by Northgate Mall. The site is located in a mixed commercial and residential area of San Rafael, California. The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macy's (1000 Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). In addition to the subject property buildings, the property is improved with asphalt-paved parking areas and associated landscaping.

Various subject property tenants (current and former) were identified in the regulatory database as Resource Conservation Recovery Act (RCRA) Small Quantity Generator (SQG), Facility Index Site (FINDS), California Hazardous Materials Incident Report System (CHMIRS), Haznet, National Pollutant Discharge Elimination System (NPDES), Drycleaners, Historical (HIST) Underground Storage Tank (UST), Emissions Inventory (EMI) and Aboveground Storage Tank (AST) sites, and are further discussed in Section 6.0.

According to historical sources, the current subject property mall buildings were constructed beginning sometime between 1960 and 1965 for use as commercial buildings, the current automotive repair building (and associated gasoline dispensers) was constructed in 1971 and several more retail buildings were present on the site by 1980. By 1993 the site was developed as it is today. Prior to the construction of the buildings, the property was vacant land from at least 1946 to 1954. Addresses associated with the subject property include 1000-9000 Northgate Mall. This address range was researched during this investigation.

Please refer to Sections 4.2, 6.0 and 8.0 for further information regarding the current and former auto repair operations.

The immediately surrounding properties consist of Las Gallinas Avenue followed by offices (920 Northgate Drive), a 76 Gas Station (921 Del Presidio Boulevard), a Valero Gas Station (923 Del Presidio Boulevard) and various bank/office buildings (600-670 Las Gallinas Avenue) to the north; Las Gallinas Avenue followed by an office building (800 Las Gallinas Avenue), a shopping center (400-470 Las Gallinas Avenue), Goodyear Tire (496 Las Gallinas Avenue), Chase Bank (300 Las Gallinas Avenue) and Los Ranchitos Road followed by a cemetery to the east; Northgate Drive followed by an office building (555 Northgate Drive) and various single- and multi-family residences to the south; and Northgate Drive followed by vacant land and an office building (899 Northgate Drive) to the west.

Adjacent sites to the east beyond Las Gallinas Avenue were identified in the regulatory database as HIST UST, Drycleaners, FINDS, Haznet and RCRA SQG sites, while adjacent sites to the north beyond Las Gallinas Avenue were identified as RCRA SQG, RCRA Large Quantity Generator (LQG), UST, HIST Cortese, Leaking Underground Storage Tank (LUST), CHMIRS, HIST UST, Statewide Environmental Evaluation and Planning System (SWEEPS) UST, California (CA) Facility Inventory Database (FID) UST and UST sites and are further discussed in Section 6.0.

Based upon topographic map interpretation, groundwater flow beneath the subject property is inferred to be to the east-northeast and based on groundwater monitoring data for a nearby site, groundwater is expected to be encountered at 1 to 12 feet below ground surface (bgs).

1.2 Environmental Report Summary

Recognized environmental conditions (RECs) are defined by the ASTM Standard Practice E1527-05 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. AEI's investigation has revealed the following recognized environmental conditions associated with the subject property or nearby properties:

- The subject property Sears Automotive Center is currently equipped with 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. No information identifying the specific installation date was available for review, therefore these lifts were presumably

1.0 Executive Summary (continued)**1.2 Environmental Report Summary (continued)**

installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and the soil was found to contain up to 11,000 parts per million Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm. Groundwater was not encountered to seven feet bgs (soil boring maximum depth) and therefore no groundwater samples were collected. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the current hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts the potential exists that the current lifts may have also leaked. In addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater could be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil surrounding the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.

- Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.
- According to historical sources, it appears the subject property was developed with a gas station and automotive center in 1971/1972. According to a November 1999 San Rafael Fire Department (SRFD) letter to Sears, Roebuck and Co, up to eight gasoline, waste oil and/or new oil underground storage tanks (USTs) were associated with the onsite Sears Automotive Center and were reportedly removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994. However, a Marin County Environmental Health Department (MCEHD) UST removal application and a UST removal invoice provided by the client only identified the removal of four USTs and it is therefore unclear if USTs remain on the subject property. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property and according to the 1999 SRFD letter, further soil borings and groundwater samples were needed at the site to sample for Methyl tert-Butyl Ether (MtBE) prior to site closure per the Regional Water Quality Control Board (RWQCB). No information regarding the testing of the site for MtBE was provided to AEI or available at the MCEHD, SRFD or RWQCB. While a 1987 "Clearance" letter does exist for the property, based on the lack of sampling data associated with the removal of the USTs, the lack of MtBE sampling; and the lack of removal documentation available for the USTs, it is unknown whether any contamination or USTs remain at the subject property and therefore the USTs represent a significant environmental concern.

Historical recognized environmental conditions (HRECs) are defined by the ASTM Standard Practice E1527-05 as an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. AEI's investigation has revealed the following historical recognized environmental conditions associated with the subject property or nearby properties:

- No on-site historical recognized environmental conditions were identified during the course of this investigation.

Environmental issues include environmental concerns identified by AEI that warrant discussion but do not qualify as recognized environmental conditions, as defined by the ASTM Standard Practice E1527-05. AEI's investigation has revealed the following environmental issues associated with the subject property or nearby properties:

1.0 Executive Summary (continued)**1.2 Environmental Report Summary (continued)**

- Due to the age of the subject property buildings, there is a potential that asbestos-containing materials (ACMs) are present. All suspect ACMs were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.
- Due to the age of the subject property buildings, there is a potential that lead-based paint (LBP) is present. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62

Report Section		Results	Recommendations	Cost Estimate Range
1.3	Data Gaps	Low-Risk	None	
3.2	Activity and Use Limitations	No Risk	None	
4.1	Environmental Liens	No Risk	None	
5.1	Historical Background	Potentially Sig. Risk	Phase II	Approximately \$20,000 for UST/clarifier/belowground lift sampling
5.2	Subject Property	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
5.3	Adjoining Properties	Low-Risk	None	
6.0	Federal, State, Local & Tribal Database Listings	Low-Risk	None	
7.1	Hazardous Substances	Low-Risk	None	
7.2	Unidentified Containers	No Risk	None	
7.3	Staining	No Risk	None	
7.4	Stressed Vegetation	No Risk	None	
7.5	Aboveground Storage Tanks (ASTs)	Low-Risk	None	
7.6	Underground Storage Tanks (USTs)	Potentially Sig. Risk	Phase II	Approximately \$2,000
7.7	Pits, Ponds, And Lagoons	No Risk	None	
7.8	PCB-Containing Equipment	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
7.9	Solid Waste Disposal	No Risk	None	
7.10	Wetlands	No Risk	None	
7.11	Septic System with On-Site Drainfield	No Risk	None	
7.12	Oil/Water Separator	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
7.13	Dry Wells or Injection Wells	No Risk	None	
7.14	Contamination of Soil	No Risk	None	
7.15	Contamination of Groundwater	No Risk	None	
7.16	Vapor Intrusion	No Risk	None	
7.17	Use of Pesticides on Site	No Risk	None	

1.0 Executive Summary (continued)**1.2 Environmental Report Summary (continued)**

<i>Report Section</i>	<i>Results</i>	<i>Recommendations</i>	<i>Cost Estimate Range</i>
7.18.1 <i>Asbestos</i>	Low-Risk	None	
7.18.2 <i>Lead</i>	Low-Risk	None	
7.18.3 <i>Radon</i>	Low-Risk	None	
7.18.4 <i>Lead in Drinking Water</i>	Low-Risk	None	
7.18.5 <i>Mold</i>	Low-Risk	None	
7.18.6 <i>All Other Concerns</i>	Not Applicable	None	
8.0 <i>Interviews</i>	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background

1.3 Data Gaps

The following data gap was identified during the course of this investigation:

The earliest historical resource obtained during this investigation was an aerial photograph from 1946. The lack of historical sources for the subject property between 1940 and 1946 represents historical data source failure. However, in the 1946 aerial photograph, the subject property and surrounding area appear as vacant land. Thus, it is assumed that prior to 1957 the subject property would have been undeveloped. Based on this notion, this data gap is not expected to significantly alter the findings of this investigation.

1.4 Findings and Opinions

AEI's investigation revealed recognized environmental conditions associated with the subject property that require further investigation.

1.5 Recommendations

Subsurface sampling in the vicinity of the current and former lifts, area of the clarifier and area of the former USTs is recommended to determine if the historical and current use of hazardous materials by Sears, Roebuck and Co. has affected the subject property.

Additionally, a geophysical survey would need to be performed to determine if any USTs currently remain on the subject property.

2.0 Introduction

2.1 Purpose

The purpose of the Phase I Environmental Site Assessment is to identify potential environmental liabilities associated with the presence of hazardous materials, their use, storage, and disposal at and in the vicinity of the subject property, as well as regulatory non-compliance that may have occurred at the subject property. Property assessment activities focused on: 1) a review of federal, state, and local lists that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance with personnel interviews to identify environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

The goal of AEI Consultants in conducting the environmental site assessment was to identify the presence or likely presence of any hazardous substances or petroleum products on the property that may indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into the soil, groundwater, or surface water of the property.

2.2 Scope of Services

The scope of services used in the completion of this report is specified under the Scope of Work developed in conjunction with US Bancorp and comply with the scope of services noted in ASTM Practice E 1527-05. Special Terms and Conditions, Limitations, and Exceptions are presented in Appendix D.

This document has been prepared in accordance with the specifications set forth in the Environmental Consulting & Professional Services Agreement entered into on February 6, 2002 and the US Bancorp assignment letter dated June 24, 2009 for the subject property.

2.3 Deviations

No deviations from the recommended scope of ASTM Standard E 1527-05 were performed as part of this Phase I ESA with the exception of any additions noted in Detailed Scope of Services.

2.4 Limitations

Property conditions, as well as local, state, tribal and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI Consultants makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, vapor intrusion, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-05.

If requested by the client, these non-scope issues are discussed in Section 6.2. Otherwise, the purpose of this investigation is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). ASTM Standard Practice E1527-05 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

2.0 Introduction (continued)

2.4 Limitations (continued)

- 42 U.S.C § 9601(35)(B), referenced in the ASTM Standard Practice E1527-05.
- Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
- 42 U.S.C. 9601(40) and 42 U.S.C. 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of investigation into property title records is to ascertain a historical basis of prior land use. 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 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.

2.5 Reliance

This report has been prepared for the sole benefit of US Bank. The report may not be relied upon by any other person or entity without the express written consent of AEI Consultants and US Bank.

3.0 Subject Property Description

3.1 Location and Legal Description

The subject property is bound by Las Gallinas Avenue to the north and northeast, Los Ranchitos Road to the east, and Northgate Drive to the west and south and is bisected by Northgate Mall. The site is located in a mixed commercial and residential area of San Rafael, California. The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macys (1000 Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). In addition to the subject property building, the property is improved with asphalt-paved parking areas and associated landscaping.

Various subject property tenants (current and former) were identified in the regulatory database as RCRA SQG, FINDS, CHMIRS, Haznet, NPDES, Drycleaners, HIST UST, EMI and AST sites, and are further discussed in Section 6.0.

The Assessor's Parcel Numbers (APNs) for the subject property are 175-060-12, 175-060-40, 175-060-59, 175-060-60 and 175-060-61. Heating and cooling systems on the subject property are fueled by natural gas and electricity provided by Pacific Gas and Electric (PG&E). Potable water and sewage disposal are provided by municipal services.

3.2 Activity and Use Limitations

Based on a review of the regulatory database and inquiries at the San Rafael Building Department, San Rafael Fire Department, Marin County Environmental Health Department, and California Regional Water Quality Control Board, no AULs associated with the subject property were identified during the course of this investigation.

3.3 Physical Setting

Based on a review of the United States Geological Survey (USGS) San Francisco Bay Quadrangle Geologic Map, the area surrounding the subject property is underlain by Holocene and Late Pleistocene era landslide deposits and clayey colluvium which are commonly characterized by dark-grey, greenish-grey, bluish-grey, green and grayish black unweathered inactive and active slump-earthflow deposits, weathering brown to reddish-brown principally composed of montmorillonite-rich clay and clay loam containing angular to rounded blocks of sandstone, chert, limestone, greenstone, schist, and gneiss.

Based on a review of the USGS Novato, California Quadrangle Topographic Map, the subject property is situated 33-100 feet above mean sea level, and the local topography is gently sloped to the east. The nearest surface water is South Fork Gallinas Creek, located approximately 2,500 feet east of the subject property. Based upon topographic map interpretation, groundwater flow beneath the subject property is inferred to be to the east to northeast and based on groundwater monitoring data for a nearby site, groundwater is expected to be encountered at 1 to 12 feet below ground surface (bgs).

3.4 Subject Property and Vicinity Characteristics

The subject property is located in a mixed commercial and residential area of San Rafael, California.

The immediately surrounding properties consist of Las Gallinas Avenue followed by offices (920 Northgate Drive), a 76 Gas Station (921 Del Presidio Boulevard), a Valero Gas Station (923 Del Presidio Boulevard) and various bank/office buildings (600-670 Las Gallinas Avenue) to the north; Las Gallinas Avenue followed by an office building (800 Las Gallinas Avenue), a shopping center (400-470 Las Gallinas Avenue), Goodyear Tire (496 Las Gallinas Avenue), Chase Bank (300 Las Gallinas Avenue) and Los Ranchitos Road followed by a cemetery to the east; Northgate Drive followed by an office building (555 Northgate Drive) and various single- and multi-family residences to the south; and Northgate Drive followed by vacant land and an office building (899 Northgate Drive) to the west.

An adjacent site to the north at 930 Del Presidio Boulevard was identified in the regulatory database as a RCRA LGN, RCRA SGN, LUST, and UST site, while 921 Del Presidio Boulevard was identified as a LUST

3.0 Subject Property Description (continued)

3.4 Subject Property and Vicinity Characteristics (continued)

and UST site. One site to the east, Kerns and Walker Cleaners at 412 Las Gallinas Avenue, was identified as a RCRA SGN and drycleaners site. These sites are further discussed in Section 6.0.

3.5 Description of Subject Property Structures and Improvements

The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. In addition to the subject property building, the property is improved with asphalt-paved parking areas and associated landscaping.

3.6 Current Uses of the Subject Property

The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macys (1000 Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). On-site operations include retail, theater, food service, administrative and automotive service activities.

4.0 User Provided Information

4.1 Environmental Liens

No environmental liens were reported for the subject property.

4.2 Environmental Reports or Investigations

Documentation was provided to AEI by Mr. Scott Kingsmore of Macerich during this investigation. A summary of this information follows:

Hydraulic Lift Removal, Assessment and Site Remediation Activities, Sears Store #1528, Dames and Moore (February 7, 1997)

According to the report, three belowground hydraulic lifts, located on the southeast corner of the building, were removed from the site in March 1996, in order to expand the Sears Automotive Center office area. At the time of removal, surface soil samples and soil samples at 3 feet bgs and approximately 7 feet bgs were collected from each excavation, with the exception of Lift 1, where a sample was not collected at 3 feet bgs. The samples were subsequently analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g), Total Petroleum Hydrocarbons as diesel (TPH-d) and Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) while a sample from Lift 2 was also sampled for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and polychlorinated biphenyls (PCBs). While TPH-g and TPH-d were not detected in any of the samples above laboratory detection limits, TPH-h was detected up to 11,000 parts per million (ppm) (Lift 3-surface sample), up to 270 ppm (Lift 2- 3 feet bgs) and up to 830 ppm (Lift 3- 7 feet bgs). Additionally, PCBs were detected in the Lift 2-surface sample at 0.48 ppm, while SVOC bis (2-ethylhexyl) phthalate was detected at 2.5 ppm. Based on the elevated levels of TPH-h (above 1,000 ppm), soils beneath Lifts 2 and 3 were excavated to a depth of 3 feet bgs; however, no confirmation sampling was performed as the initial samples collected at 3 feet bgs were below the cleanup guidance level.

Dispenser Island and Product Line Removal Report, Cluor Daniel GTI (July 1, 1996)

According to the report, the dispenser island canopy, dispenser islands and associated product lines and new and used oil lines were removed from the area adjacent to the north of the Sears Automotive Center in 1994. Additionally, 34 cubic yards of soil was removed from the subject property. 17 soil samples were collected from beneath the gasoline product dispenser islands/vent lines/product lines at 2 to 4 feet bgs and analyzed for TPH-g, BTEX and lead, while five soil samples were collected from beneath the used oil line and oil supply lines at 2 to 5 feet bgs and analyzed for TPH-g, TPH-d, Total Recoverable petroleum hydrocarbons (TRPH), VOCs and metals. While lead was detected in the samples up to 10 ppm, no other contaminants with the exception of TRPH (up to 19 ppm in a sample collected from the used oil line trench) were detected.

Request for Closure, The IT Group (March 23, 1999)

IT Corporation requested case closure from the San Rafael Fire Department (SRFD) on behalf of Sears, Roebuck and Co. based on the following:

- The hydrocarbon contamination source was removed in 1994.
- Approximately 32 cubic yards of hydrocarbon-impacted soil was removed from the site in 1995.
- Original concentrations of compounds detected at a maximum of 4 feet bgs.
- Highest concentrations of compounds originally reported in excavated soil removed from the site.
- Impacted soil is within the upper 3-4 feet of the subsurface and attenuates with increased depths.
- Site remains covered with asphalt, which prevents infiltration and flushing of hydrocarbons into groundwater.

Please refer to Section 8.5 for further information regarding the SRFD response to this request for closure and request for additional information.

Additional records provided by the client indicated that the MCEHD approved the removal of two 500-gallon bulk oil and one 1,000-gallon waste oil single-walled steel USTs in August 1986, which were installed in 1972. Additionally, a 1986 invoice for the removal of one 8,000 gallon gasoline UST was also provided; however, it is unclear how many other USTs may have been present at the site as a SRFD letter refers to the removal of eight USTs in 1985 and 1987. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property.

4.0 User Provided Information (continued)

4.3 Experience of User

The user did not report any specialized knowledge or experience that suggests an environmental concern or recognized environmental conditions in connection with the subject property.

5.0 Historical Use Information

5.1 Historical Background

Historical information identifying the past site use was obtained from a variety of sources as detailed in Appendix E of this report and included: CITY DIRECTORIES, AERIAL PHOTOGRAPHS, SANBORN FIRE INSURANCE MAPS, TOPOGRAPHIC MAPS, PREVIOUS ENVIRONMENTAL REPORTS, OTHERS.

According to historical sources, the current subject property mall building was constructed beginning sometime between 1960 and 1965 for use as commercial buildings, the current automotive repair building (and associated gasoline dispensers) was constructed in 1971 and several more retail buildings were present on the site by 1980. By 1993 the site was developed as it is today. Prior to the construction of the buildings, the property was vacant land from at least 1946 to 1954.

Please refer to Sections 4.2, 6.0 and 8.0 for further information regarding the current and former auto repair operations.

5.2 Subject Property

Pre 1940s and 1940s:

In the 1946 aerial photograph, the subject property appears as vacant land.

1950s:

In the 1953 aerial photograph, the subject property appears as vacant land.

In a 1954 topographic map, the subject property is vacant land.

1960s:

The subject property street was not listed in the 1960 Polk Criss-Cross directory.

City directories reviewed for the subject property indicated that Emporium Department Store (1000 Northgate Mall) was present on the site in 1965, while Northgate Theater (2600 Northgate Mall) and various retail businesses (1000-5440 Northgate Mall) occupied the property beginning in 1966.

In the 1965 aerial photograph, four structures are constructed on the northern portion of the subject property, while the southern portion of the property is vacant land and appears to have construction equipment on the south side of the property.

The oldest permit on file with the San Rafael Building Department (SRBD) for the subject property indicated that a new manager's office was constructed on the property in 1967 and five structures had already been constructed.

In a 1968 topographic map, the subject property is developed with four structures, which were later joined to create the northern portion of the current shopping mall.

1970s:

Permits on file with the SRBD indicate that a new Sear's as well as a Sear's Auto Center and associated gas dispensers were constructed/installed on the property in 1971.

1980s:

In a 1980 topographic map, the subject property is developed with seven structures that have since been joined to create the the current shopping mall, as well as the Sear's administrative building and automotive center/gas station and parking garage structures.

In the 1982 aerial photograph, the main subject property building is developed in it's current configuration, and the Sear's administrative building and automotive center/gas station buildings have also been constructed; however, the current Rite Aid building and former Mervyn's building have yet to be constructed.

Permits on file with the SRBD indicate that four underground storage tanks (USTs) were removed from the subject property, while one aboveground storage tank (AST) was installed on the site in 1986.

5.0 Historical Use Information (continued)

5.2 Subject Property (continued)

1990s:

In the 1993 and 1998 aerial photograph, the subject property is developed as it is today with the current Rite Aid and Mervyn's buildings having been constructed.

2000s:

Permits on file with the SRBD indicate that various tenant improvements as well as interior demolitions have been performed on the property from at least 2000-2008.

In the 2005 aerial photograph, the subject property is developed as it is today.

5.3 Adjoining Properties

Pre 1940s and 1940s:

In the 1946 aerial photograph, the surrounding properties appear as vacant land with the exception of a site to the northeast beyond Las Gallinas Avenue which appears to be developed with a commercial structure, while the site to the east beyond Los Ranchitos Road is developed in the current cemetery configuration.

1950s:

In the 1953 aerial photograph, the surrounding properties remain unchanged.

1960s:

In the 1965 aerial photograph, the surrounding properties appear to be developed with gas stations (and associated canopies) and commercial buildings to the north beyond Las Gallinas Avenue, vacant land beyond Las Gallinas Avenue and the current cemetery to the east beyond Los Ranchitos Road, vacant land and single-family residences to the south beyond Northgate Drive and vacant land to the west beyond Northgate Drive.

1970s:

No source available.

1980s:

In the 1982 aerial photograph, the surrounding properties appear to be developed with gas stations (and associated canopies) and commercial buildings to the north beyond Las Gallinas Avenue, commercial buildings beyond Las Gallinas Avenue and the current cemetery to the east beyond Los Ranchitos Road, commercial buildings and single-family residences to the south beyond Northgate Drive and vacant land to the west beyond Northgate Drive.

1990s:

In the 1993 and 1998 aerial photographs, the surrounding properties appear to be developed with gas stations (and associated canopies) and commercial buildings to the north beyond Las Gallinas Avenue, commercial buildings beyond Las Gallinas Avenue and the current cemetery to the east beyond Los Ranchitos Road, commercial buildings and single-family residences to the south beyond Northgate Drive and vacant land and a commercial building to the west beyond Northgate Drive.

2000s:

In the 2005 aerial photograph, the surrounding properties appear as they are today.

5.4 Historically Significant or Environmental Findings

No historically significant or environmental findings were discovered within the scope of this investigation in connection with the subject property or adjoining properties with the exception of the following:

- The eastern adjacent site is a cemetery. Environmental concerns have been identified in connection with cemeteries, including the presence of heavy metals, arsenic, and formaldehyde in soil and groundwater of these types of sites. However, based on the hydrologically downgradient position of this site relative to the subject property, the adjacent cemetery is not expected to represent a significant environmental concern.

6.0 Federal, State, Local & Tribal Database Listings

An ASTM-compliant government records radial database report was obtained for this assessment. The following standard Federal database listings were searched if available: National Priorities List (NPL), Delisted NPL, Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS and CERCLIS-NFRAP), Resource Conservation and Recovery Information System – Treatment, Storage, and Disposal Facilities (RCRIS-TSD), RCRIS – Large and Small Quantity Generators (RCRIS-Generator), RCRIS Corrective Action Data (CORRACTS), Institutional and Engineering Controls (ICs/ECs), RCRIS Notifiers (NOTIFIERS) and Emergency Response Notification System (ERNS).

Additionally, the following standard State databases were searched if available: State Priorities List (SPL), State Hazardous Waste Site Voluntary Cleanup Program (VCP), Permitted Solid Waste Facilities/Landfill (SWF/LF) List, Leaking Underground Storage Tank (LUST) List, and the Registered Underground Storage Tank (UST) List, State/Tribal Brownfields. Criteria for being listed on each database and specific facility information are reviewed within the database report (see Appendix C).

Various subject property tenants (current and former) were identified in the regulatory database as RCRA SQG, FINDS, CHMIRS, HAZNET, NPDES, DRYCLEANERS, HIST UST, EMI and AST sites, and are further discussed below. Adjacent sites to the east beyond Las Gallinas Avenue were identified in the regulatory database as HIST UST, DRYCLEANERS, FINDS, HAZNET and RCRA SQG sites, while adjacent sites to the north beyond Las Gallinas Avenue were identified as RCRA-SQG, RCRA-LQG, UST, HIST CORTESE, LUST, CHMIRS, HIST UST, SWEEPS UST, CA FID UST and UST sites, as further discussed below.

Additionally, other sites are discussed in detail below due to their relative proximity to the subject property, the nature of the listing, and/or hydrological position relative to the subject property.

Based on the relative distance from the subject property, inferred direction of groundwater flow, and/or regulatory status, the remaining listed sites are not expected to represent a significant environmental concern.

<i>Database</i>	<i>Target Property</i>	<i>Search Distance (Miles)</i>	<i>< 1/8</i>	<i>1/8 - 1/4</i>	<i>1/4 - 1/2</i>	<i>1/2 - 1</i>	<i>> 1</i>	<i>Total Plotted</i>
NPL		1	0	0	0	0	NR	0
CERCLIS		0.5	0	0	0	NR	NR	0
CERCLIS-NFRAP		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	1	NR	1
RCRA-TSDF		1	0	0	0	1	NR	1
RCRA-LQG		0.25	2	0	NR	NR	NR	2
RCRA-SQG	X	0.25	7	1	NR	NR	NR	8
ERNS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROL		0.5	0	0	0	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
LUST		0.5	6	0	4	NR	NR	10
UST		0.25	13	0	NR	NR	NR	13
AST		0.25	1	0	NR	NR	NR	1
VCP		0.5	0	0	0	NR	NR	0
DRYCLEANERS		0.25	2	0	NR	NR	NR	2
CHMIRS	X	TP	NR	NR	NR	NR	NR	0
SWF/LF (SWIS)		0.5	0	0	0	NR	NR	0
ENVIROSTOR		1	0	0	0	3	NR	3
NPDES	X	TP	NR	NR	NR	NR	NR	0
HIST CAL-SITES		1	0	0	0	0	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
SLIC		0.5	0	0	0	NR	NR	0

6.0 Federal, State, Local & Tribal Database Listings (continued)

Site Name: RITE AID NO 5958
Databases: RCRA-SQG, FINDS
Address: 1500 NORTHGATE MALL
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the database, Rite Aid maintained various photo developing chemicals beginning in 1998; however, according to records on file with the MCEHD photo developing operations ceased circa November 2008. Based on the lack of documented releases and the nature of the listing, this site is not expected to represent a significant environmental concern.

Site Name: EXPRESSLY PORTRAITS INC
Databases: RCRA-SQG, FINDS
Address: 5600 NORTHGATE MALL
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the database, expressly portraits maintained hazardous materials on the subject property. According to records on file with the MCEHD, a silver recovery unit was located onsite from November 1993 to December 2002; however, based on the lack of documented releases and nature of the listing, this site is not expected to represent a significant environmental concern.

Site Name: NORTHGATE MALL
Databases: CHMIRS, HAZNET, FINDS, RCRA-SQG, NPDES
Address: 5800 NORTHGATE MALL
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the RCRA SQG database, the subject property maintains unidentified hazardous materials; however, no violations were reported. According to the HAZNET database, 0.075 tons of unspecified organic mixture were disposed of from the subject property. Please refer to Section 8.6 for further information regarding the hazardous materials stored on the subject property. According to the CHMIRS database, in November 1997 125 gallons of transformer oil leaked into the underground transformer vault. AEI presumes that as the vault was present minimal (if any) contamination would have reached the soil and therefore the CHMIRs listing is not expected to represent a significant environmental concern. Additionally, any cleanup costs would be the responsibility of the utility company.

Site Name: SEARS #8108
Databases: RCRA-SQG, DRYCLEANERS, HAZNET
Address: 8108 NORTHGATE MALL
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the RCRA SQG database, Sears, Roebuck and Co. utilized lead, benzene, tetrachloroethylene (PCE) and trichloroethylene (TCE) on the subject property, which based on the lead and benzene listings are assumed to be associated with the onsite automotive center. While the HAZNET database indicates that 0.07 tons of hydrocarbon solvents have been disposed of from the subject property. According to the Cleaners database, Sears, Roebuck and Co. was also a laundry and garment service site as of March 4, 2003; however, according to representatives at Sears and Macerich, no dry cleaning has taken place on the subject property and the use of PCE and TCE were likely associated with the auto repair operations. Please refer to Section 8.5 for further information regarding the hazardous materials stored on the subject property.

6.0 Federal, State, Local & Tribal Database Listings (continued)

Site Name: WALDEN BOOK CO
Databases: HAZNET
Address: 5800 NORTHGATE DR SPACE 83
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the HAZNET database, 0.200 tons of unspecified oil-containing waste was disposed of from the property. Please refer to Section 8.5 for further information regarding the hazardous materials stored on the subject property.

Site Name: SEARS
Databases: RCRA-SQG, HAZNET, FINDS
Address: 9000 NORTHGATE
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the RCRA SQG database, various ignitable wastes are stored on the subject property; however no violations have been found. According to the HAZNET database, various off-specification, aged, or surplus organics, alkaline solutions without metals, latex wastes and aqueous solutions have been disposed of from the subject property. Please refer to Section 8.5 for further information regarding the hazardous materials stored on the subject property.

Site Name: SEARS AUTO CENTER
Databases: HIST UST, EMI, HAZNET
Address: 9000 NORTHGATE MALL
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the HAZNET database, various amounts of unspecified oil containing waste have been disposed of from the subject property. According to the HIST UST database, four "product" USTs and three waste oil USTs were removed from the subject property in 1972. According to the EMI database, various contaminants have been released into the atmosphere since 2006. Please refer to Section 8.5 for further information regarding the hazardous materials stored on the subject property.

Site Name: JIFFY LUBE #1590
Databases: AST, FINDS
Address: 9000 NORTHGATE MALL
Distance: Subject Property
Direction: N/A
Elevation: N/A
Comments: According to the AST database, one 2,100-gallon AST was utilized by Jiffy Lube on the subject property. Please refer to Section 8.5 for further information regarding the hazardous materials stored on the subject property.

Site Name: KERNS AND WALKER CLEANERS
Databases: DRYCLEANERS, FINDS, HAZNET, RCRA-SQG
Address: 412 LAS GALLINAS AVENUE
Distance: 27
Direction: East-southeast (hydrologically downgradient)
Elevation: Lower
Comments: According to the database, this site was a cleaners that maintained and disposed of halogenated organic compounds; however, based on the lack of documented release and the inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

6.0 Federal, State, Local & Tribal Database Listings (continued)

Site Name: VALERO REFINING CO CAL NO 77067, EXXON CO. USA. # 77067, FORMER EXXON 7-7067, Northgate Valero
Databases: RCRA-SQG, RCRA-LQG, UST, HIST CORTESE, LUST, CHMIRS, HIST UST, SWEEPS UST, CA FID UST
Address: 930 DEL PRESIDIO BLVD
Distance: Approximately 50 feet
Direction: North (hydrologically cross-gradient)
Elevation: Higher
Comments: According to records on file with the Regional Water Quality Control Board (RWQCB) online Geotracker database, groundwater at this site flows to the southwest. Two groundwater monitoring wells were located on the sidewalk adjacent to the north side of the subject property (identified as EA-12 and EA-13). No groundwater contamination has been detected in either well since 2006. Regulatory case closure was granted to the site in April 2009 and EA-12 and EA-13 were subsequently destroyed. Based on the lack of groundwater contamination present in EA-12 and EA-13 and the current regulatory status this site is not expected to represent a significant environmental concern.

Site Name: CONOCOPHILLIPS, TERRA LINDA 76 CAR WASH #254774
Databases: LUST, UST
Address: 921 DEL PRESIDIO
Distance: Approximately 50 feet
Direction: North (hydrologically cross-gradient)
Elevation: Higher
Comments: According to records on file with the RWQCB online Geotracker database, groundwater at this site flows to the northwest. Two groundwater monitoring wells were located on the sidewalk adjacent to the north side of the subject property (identified as EA-12 and EA-13). No groundwater contamination has been detected in either well since 2006. The case is currently open, but is being prepared for closure. Based on the the inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

Site Name: GOODYEAR TIRE & RUBBER CO.
Databases: HIST UST
Address: 496 LAS GALLINAS AVE
Distance: Approximately 50 Feet
Direction: East (hydrologically downgradient)
Elevation: Lower
Comments: According to the HIST UST database, one waste oil UST was removed from the site in 1973. Based on the lack of documented releases associated with this site, this listing is not expected to represent a significant environmental concern.

7.0 Site Reconnaissance

7.1 Hazardous Substances

Various hazardous materials were observed at the Sears Automotive Center site including waste and new oil ASTs and approximately eleven 55-gallon drums; however, the materials were stored atop a concrete pad and no significant staining was observed. Therefore, no hazardous substances that constitute evidence of a *recognized environmental condition* were observed at the subject property at the time of the site reconnaissance.

7.2 Unidentified Containers

No unidentified containers that constitute evidence of a *recognized environmental condition* were observed at the subject property at the time of the site reconnaissance.

7.3 Staining

No unidentified staining that constitutes evidence of a *recognized environmental condition* was observed at the subject property at the time of the site reconnaissance.

7.4 Stressed Vegetation

No unidentified stressed vegetation that constitutes evidence of a *recognized environmental condition* was observed at the subject property at the time of the site reconnaissance.

7.5 Aboveground Storage Tanks (ASTs)

Various hazardous materials were observed at the Sears Automotive Center site including waste and new oil ASTs and approximately eleven 55-gallon drums; however, the materials were stored atop a concrete pad and no significant staining was observed. Therefore, no hazardous substances that constitute evidence of a *recognized environmental condition* were observed at the subject property at the time of the site reconnaissance.

7.6 Underground Storage Tanks (USTs)

Mr. Joey Elliot of Macerich stated to the best of his knowledge, that the subject property does not contain USTs. In addition, the regulatory records review did not indicate the current registration of USTs at the subject property, and no evidence of vent pipes, fill pipes, or access ways indicating USTs was discovered at the time of the site reconnaissance. However, USTs were formerly located onsite and according to a SRFD letter up to eight USTs may have been present on the subject property and it is unclear whether any USTs remain on the subject property. Please refer to Sections 4.2, 6.0 and 8.5 for further information regarding the former USTs.

7.7 Pits, Ponds, And Lagoons

No ponds or lagoons associated with onsite processes were observed at the subject property at the time of the site reconnaissance.

7.8 PCB-Containing Equipment

Toxic polychlorinated biphenyls (PCBs) were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR, Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing".

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

7.0 Site Reconnaissance (continued)

7.8 PCB-Containing Equipment (continued)

Transformers

Several pad-mounted transformers were observed on the subject property during the site inspection. The transformers are owned and operated by PG&E and are not PCB containing. No spills, staining or leaks were observed on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Hydraulic Lifts

The subject property Sears Automotive Center is currently equipped with approximately 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. These lifts were presumably installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and as previously discussed in Section 4.2, the soil was found to contain up to 11,000 parts per million Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm; however, no groundwater was encountered to seven feet bgs. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts it is very likely that the integrity of the current lifts has also been compromised. In addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater would be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil at the sites of the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.

7.9 Solid Waste Disposal

No indications of improper disposal of solid waste or burial activities were noted within the scope of this investigation.

7.10 Wetlands

A wetlands map for the subject property prepared by the United States Fish and Wildlife Service was reviewed online. No designated wetlands were identified on the subject property. In addition, no natural standing bodies of water or typically hydrophytic vegetation were observed on the subject property during the site reconnaissance.

7.11 Septic System with On-Site Drainfield

No evidence of an on-site septic system was observed during the site reconnaissance.

7.12 Oil/Water Separator

Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.

7.0 Site Reconnaissance (continued)

7.13 Dry Wells or Injection Wells

No evidence of dry wells or injection wells was observed during the site reconnaissance.

7.14 Contamination of Soil

No evidence of contaminated soil or signs indicating previous subsurface investigations were observed on the subject property during the site reconnaissance.

7.15 Contamination of Groundwater

As stated in Section 7.14, no evidence of groundwater monitoring wells, groundwater remediation systems or signs indicating the former presence of groundwater monitoring wells were observed on the subject property during the site reconnaissance.

7.16 Vapor Intrusion

No evidence of mitigation measures to address vapor intrusion issues were observed on the subject property during the site reconnaissance.

7.17 Use of Pesticides on Site

No evidence of pesticide storage and/or use was observed on the subject property during the site reconnaissance.

7.18 Other Concerns

7.18.1 Asbestos

A visual screening for suspect asbestos-containing materials was conducted at the time of the site reconnaissance. The subject property facility was constructed between 1960 and 1965. As such, the potential for the presence of asbestos-containing materials exists. All suspect ACMs were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.

7.18.2 Lead

A visual screening for lead-based paint was conducted at the time of the site reconnaissance. Based on the 1960-1965 construction date of the subject property building, the potential for lead-based paint exists. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

7.18.3 Radon

The EPA has designated three zones of classification indicating the predicted average indoor screening level of radon per county. Marin County, California is classified in Zone 3 (low potential), which indicates a predicted level less than 2 picoCuries per liter of air (pCi/L). The EPA "Action Level" is 4 pCi/L. Based on the commercial nature of the property and the lack of subsurface areas, radon does not appear to be a concern. However, testing is required to determine site-specific radon levels.

7.0 Site Reconnaissance (continued)

7.18 Other Concerns (continued)

7.18.4 Lead in Drinking Water

Lead containing materials were banned from use in public water systems, including plumbing connection, in 1986. Potable water testing and assessment was not performed on the subject property. Based on the construction date, the potential for lead in drinking water exists, however as the property is not a residential building or day care facility, potable water testing and assessment was not performed.

7.18.5 Mold

No mold was observed during the onsite reconnaissance.

7.18.6 All Other Concerns

No other areas of environmental concern were noted within the scope of this investigation.

8.0 Interviews

8.1 Interview with Owner

A representative of the subject property owner, Mr. Scott Kingsmore, of Macerich was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

8.2 Interview with Site Manager

The key site manager, Mr. Joey Elliot of Macerich, was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

8.3 Interview with Occupants

A representative of the subject property occupants was identified as Mr. Elliot. Results of the interview with Mr. Elliot are included in Section 8.2.

8.4 Interview with State Government Officials

On July 14, 2009, the Regional Water Quality Control Board (RWQCB) was contacted to review files on the subject property and nearby sites of concern. Files at the RWQCB may contain information regarding unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area.

No information indicating current or prior use or storage of hazardous materials, or the existence of AULs was on file for the subject property with the RWQCB.

8.5 Interview with Local Government Officials

Health Department

On July 14, 2009, the Marin County Environmental Health Department (MCEHD) was visited to review files on the subject property and nearby sites of concern. Files at the MCEHD may contain information regarding hazardous materials storage, as well as information regarding unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area.

According to 2001 and 2002 Hazardous Materials Business Plans (HMBPs) on file with the MCEHD, Sears, Roebuck and Co. stored five gallons of gasoline, 1,225 pounds of lead acid batteries and 220 cubic feet of helium within the Sears Automotive Center. Jiffy Lube also occupied a portion of the Sears Automotive Center and in 2006 stored 1,500 gallons of waste oil, 110 gallons, of waste oil filters, 50 gallons of antifreeze, 50 pounds of Freon R-12, 60 gallons of Freon R134, 240 gallons of waste antifreeze, and 600 gallons of waste oil. The most recent HMBP (2009) on file with the MCEHD for Sears Automotive Center indicates that 250 gallons of waste oil, 110 gallons of waste latex paint, 250 gallons of antifreeze, 95 gallons of absorbent materials, 20 gallons of used brake fluid, 3,000 pounds of used lead acid batteries, 60 gallons of aqueous parts washer, 500 gallons of oil/water separator waste, 110 gallons of used waste oil filters, 300 gallons of motor oil, 220 cubic feet of helium, 55 gallons of floor degreaser, and 55 gallons of waste oil-based paint. These materials were stored in the automotive center portion of the subject property. Several *Notices of Violation* were issued to the site regarding the improper labeling and record keeping of hazardous materials, and paperwork regarding annual HMBP filing. Please refer to Section 7.12 for further information regarding the environmental concerns associated with the oil/water separator. Based on the lack of documented releases and the relatively good housekeeping practices observed during the onsite reconnaissance, the remaining hazardous materials are not expected to represent a significant environmental concern.

According to a SRFD letter on file with the MCEHD, eight underground storage tanks (USTs) that were associated with the onsite Sears Automotive Center were removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994 and 34 cubic yards of soil was removed from the site in 1995, no case closure letter or documentation regarding the analytical data associated with the UST removals was on file with the MCEHD. According to the 1999 SRFD letter, further

8.0 Interviews (continued)

soil borings and groundwater samples were needed at the site to sample for MtBE prior to site closure. No information regarding the testing of the site for MtBE was provided to AEI. Please refer to Section 4.2 for further information regarding the former USTs.

Additional records on file with the MCEHD indicated that 8108 Northgate Mall was occupied by a "service operations building" from at least December 2002 to December 2006, where 60 gallons of gasoline were stored. Please refer to Section 6.0 for further information regarding the hazardous materials associated with the 8108 Northgate Mall address.

Rite Aid/Payless Drug were also identified as having photo developing activities and associated hazardous materials onsite beginning in January 1997; however, the Rite Aid digitalized the photo developing process in November 2008 and all hazardous materials were removed from the site. Based on the lack of documented releases and the small size of operations, these hazardous materials are not expected to represent a significant environmental concern.

Fire Department

On July 14, 2009, the San Rafael Fire Department (SRFD) was visited]for information on the subject property and/or nearby sites of concern to identify any evidence of previous or current hazardous material usage.

According to records on file with the SRFD, hazardous materials have been stored on the subject property; however, specific materials and quantities were not identified. AEI was referred to the MCEHD for information regarding hazardous materials on the subject property.

8.6 Interview with Others

No others were interviewed during the site reconnaissance.

Appendix A:
Qualifications

Brie Solaegui – Project Manager

BA – Geography, University of California, Berkeley
EPA Accredited Asbestos Inspector (26434 IR)

Ms. Solaegui has three years of experience in the environmental service industry and provides project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Environmental Transaction Screens, Environmental Transaction Analyses, Regulatory Database Reviews, Historical Records Reviews and Property Condition Assessments.

Project experience for Ms. Solaegui includes:

- Phase I Environmental Site Assessments
- Property Condition Assessments
- Environmental Transaction Screens
- Environmental Transaction Analyses
- Regulatory Database Reviews
- Historical Records Reviews

In addition, prior to joining the environmental service industry, Ms. Solaegui spent four years studying a broad range of environmental disciplines, including: natural resource management, environmental planning and environmental policy.

Orion Alcalay - Vice President, Due Diligence Services

MS – Environmental Management, University of San Francisco
BS – Environmental Science, University of California, San Diego
California Registered Environmental Assessor (REA I)-07746
EPA Accredited Asbestos Inspector
OSHA 40-Hour Hazardous Waste Worker Training

Mr. Alcalay has nine years of experience in the environmental service industry. As Director of Due Diligence Services, Mr. Alcalay is responsible for ensuring the consistency and quality of due diligence services throughout AEI.

Mr. Alcalay provides senior review expertise on a company-wide basis to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Transaction Screens, and Property Condition Assessments. Day to day responsibilities include project oversight, staff supervision, business development and client management.

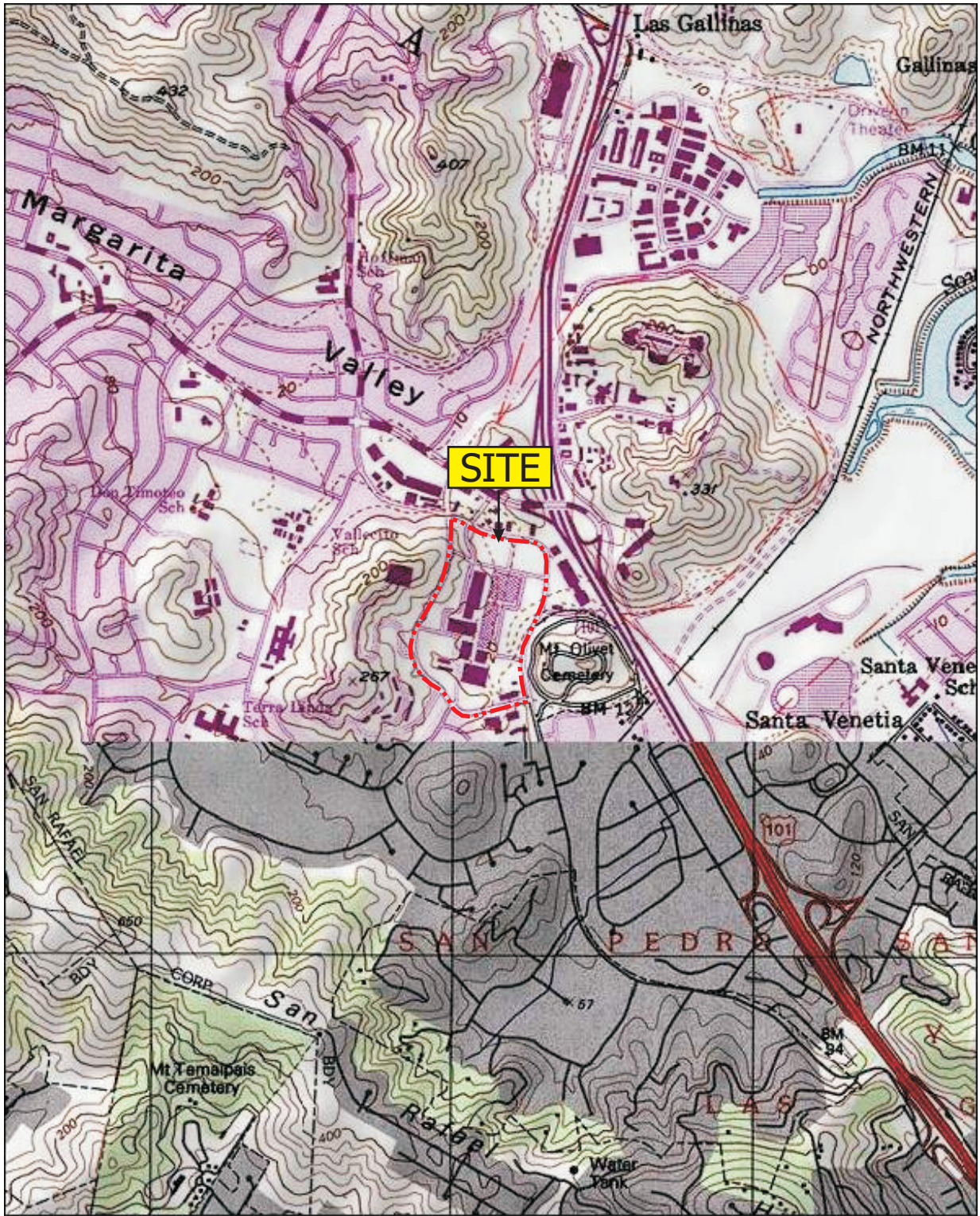
His project experience has included:

- Phase I Environmental Site Assessments, Real Estate Transaction Screens and Property Condition Assessments.
- The design and implementation of numerous Phase II soil and groundwater investigations for a variety of suspected contaminants for due diligence and liability purposes.
- The design and implementation of numerous regulatory agency driven soil and groundwater investigations and corrective action projects (Groundwater Monitoring Well Installation and Monitoring Projects).
- Asbestos Inspections and Metals Sampling.

In addition, Mr. Alcalay is well-informed in the areas of NEPA/CEQA compliance. His experience has allowed him to be an successful liaison between clients and regulatory agencies in order to effectively address the needs of both parties.

Appendix B:

Figures



TN
MN
15°

0 0.5 1 MILE
0 1000 FEET 0 500 1000 METERS

Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)



USGS TOPOGRAPHIC MAP
NOVATO, CA QUADRANGLE
Created 1980

SITE LOCATION MAP

5800 Northgate Mall
San Rafael, California 94903

FIGURE 1

Job No: 284110





LEGEND



- SUBJECT PROPERTY LINE
- FORMER GROUNDWATER MONITORING WELL

SITE MAP

5800 Northgate Mall
San Rafael, California 94903

FIGURE 2
Job No: 284110

