Appendix I
Preliminary Hazardous Materials Assessment





RBF CONSULTING

PLANNING ▌ DESIGN ▌ CONSTRUCTION

PRELIMINARY
HAZARDOUS MATERIALS ASSESSMENT

Dana Point Harbor Revitalization Project

City of Dana Point
County of Orange, State of California

Prepared For:

COUNTY OF ORANGE
Dana Point Harbor Department
24650 Dana Point Harbor Drive
Dana Point, California 92629
Contact: Mr. George Caravalho

Consultant:

RBF CONSULTING
14725 Alton Parkway
Irvine, California 92618
Contact: Mr. Bruce R. Grove Jr., REA
949/855-3686

January 18, 2005
(Revisal of January 16, 2004)

JN 10-102529

RBF CONSULTING

July 22, 2005 JN 10-102529

Mr. George Caravalho
County of Orange
Dana Point Harbor Department
24650 Dana Point Harbor Drive
Dana Point, CA 92629

SUBJECT: PRELIMINARY HAZARDOUS MATERIALS ASSESSMENT
Dana Point Harbor Revitalization Project

Dear Mr. Caravalho:

RBF Consulting (RBF) is pleased to submit this Preliminary Hazardous Materials Assessment for the above referenced project, herein referenced as the "subject site". This Assessment has been prepared to evaluate the potential presence of hazardous materials and the expected nature of the materials that may be on the subject site addressed within this Assessment. This Assessment has been prepared for the sole use of the **County of Orange**, for the above referenced subject site. Neither this Assessment, nor any of the information contained herein shall be used or relied upon for any purpose by any person or entity other than the **County of Orange**.

The Preliminary Hazardous Materials Assessment was performed in general accordance with the scope-of-services and inherent limitations presented in our proposal. The Assessment is not intended to present specific quantitative information as to the actual presence of hazardous materials on or adjacent to the subject site, but is to identify the potential presence based on available information.

Should you or your staff have any questions after reviewing the attached report, please do not hesitate to contact me at 949/855-3686 or via e-mail at bgrove@rbf.com.

Sincerely,

Bruce R. Grove Jr., REA
Project Manager/Environmental Assessor
Environmental Services-Special Projects

Richard Beck
Environmental Analyst
Environmental Services-Special Projects

STATEMENT OF ENVIRONMENTAL PROFESSIONALS

Statement of Quality Assurance

I have performed this Assessment in accordance with generally accepted environmental practices and procedures, as of the date of this report. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained with this Assessment are based upon site conditions I readily observed or were reasonably ascertainable and present at the time of the site inspection.

The conclusions and recommendations stated in this report are based upon personal observations made by employees of RBF and upon information provided by others. I have no reason to suspect or believe that the information provided is inaccurate.

Signature of RBF Environmental Assessor-*Richard Beck*



Signature/Environmental Assessor

Statement of Quality Control

The objective of this Environmental Site Assessment was to ascertain the potential presence or absence of environmental releases or threatened releases that could impact the subject site, as delineated by the Scope-of-Work. The procedure was to perform reasonable steps in accordance with the existing regulations, currently available technology, and generally accepted engineering practices in order to accomplish the stated objective.

The Scope of this Assessment does not purport to encompass every report, record, or other form of documentation relevant to the subject site being evaluated. Additionally, this Assessment does not include or address reasonable ascertainable Environmental Liens currently recorded against the subject site. To the best of my knowledge, this Environmental Site Assessment has been performed in compliance with RBF Standard Operating procedures protocol for Phase I Environmental Site Assessments.

Signature of RBF Environmental Project Manager-*Bruce R. Grove Jr., REA #06865, CEI #14551*



Signature/Environmental Project Manager

TABLE OF CONTENTS

Page

1.0 INTRODUCTION
1.1 Subject Site 1.0-1
1.2 Executive Summary 1.0-7
1.3 Scope of Services and Methodology Used 1.0-12
1.4 Limiting Conditions of Assessment 1.0-13

2.0 PHYSICAL SETTING
2.1 Subject Site Description 2.0-1
2.2 Topography 2.0-6
2.3 Current Uses of Adjoining Properties 2.0-6
2.4 Geologic Conditions 2.0-6
2.5 Biological Setting 2.0-7
2.6 Drainage and Hydrology 2.0-7
2.7 Groundwater and Water Wells 2.0-8

3.0 HISTORICAL AND REGULATORY INFORMATION SEARCHES
3.1 Historical Site Usage 3.0-1
3.2 Regulatory Sources 3.0-7

4.0 POTENTIAL AREAS OF ENVIRONMENTAL CONCERN
4.1 On-Site Observations 4.0-1
4.2 Off-Site Observations 4.0-3

5.0 FINDINGS, OPINIONS, AND RECOMMENDATIONS
5.1 Findings 5.0-1
5.2 Consultant's Opinion/Recommendation 5.0-3
5.3 Formal Recommendations 5.0-3

6.0 REFERENCES 6.0-1

LIST OF EXHIBITS

1. Regional Vicinity 1.0-2
2. Site Vicinity 1.0-3
3. Aerial Overview 1.0-4
4. Aerial, Existing Conditions 1.0-5
5. Dana Point Harbor Revitalization Proposed Plan 1.0-6
6 Overview Map 1.0-9
7a. On-Site Photographs 4.0-5
7b. On-Site Photographs 4.0-6
7c. On-Site Photographs 4.0-7
8. Off-Site Photographs 4.0-8

LIST OF TABLES

1. Table 1, On-Site Property Data 3.0-3
2. Table 2, Identified Regulatory Sites Within a ½-Mile of the Subject Site 3.0-10

7.0 APPENDIX

A. EDR Search
B. Documentation
C. Qualifications of Environmental Professionals

1.0

INTRODUCTION

For the purpose of this Preliminary Hazardous Materials Assessment, a ***Recognized Environmental Condition (REC)*** *is "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."*

1.1 SUBJECT SITE

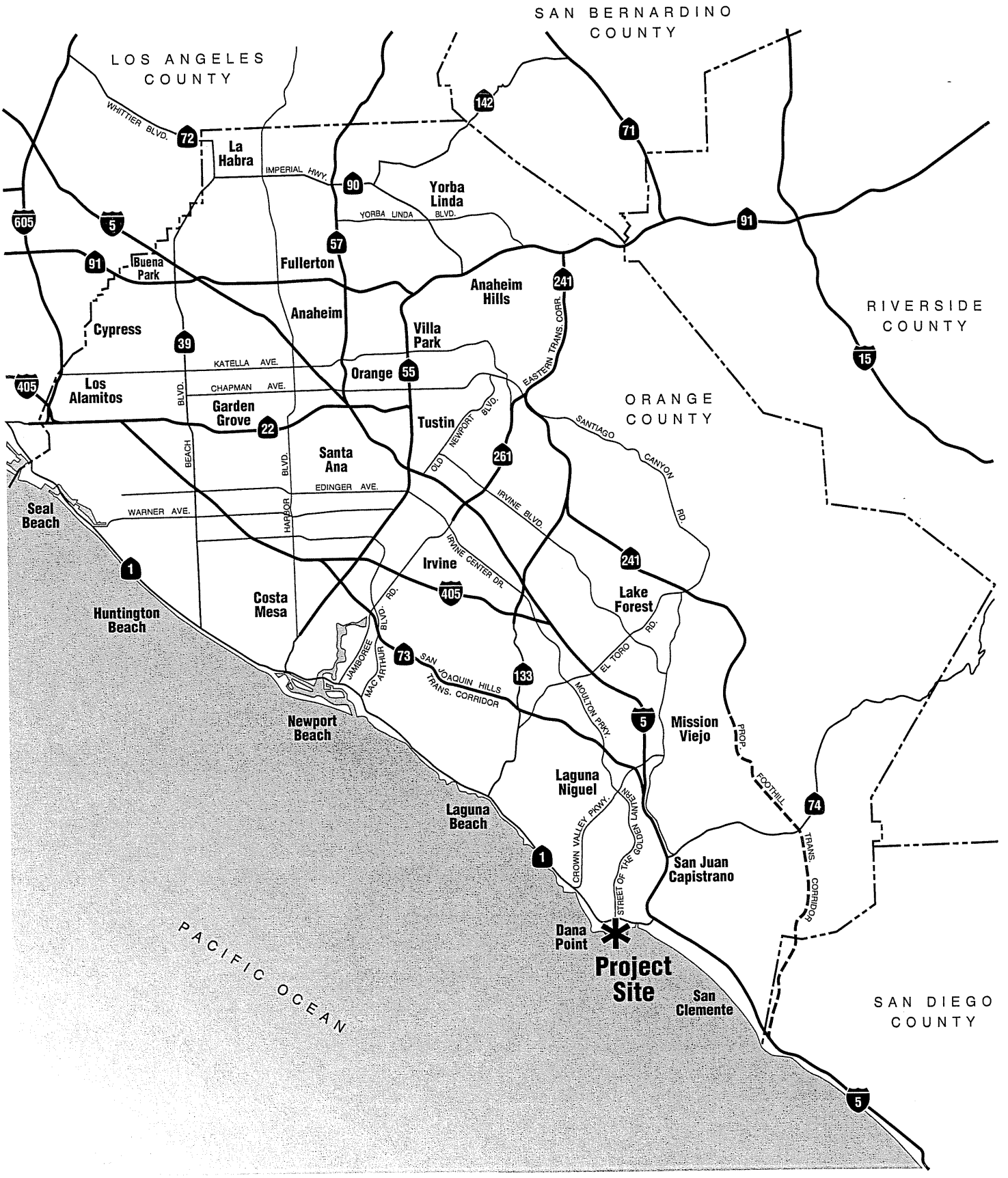
Dana Point Harbor, herein referred to as the subject site, is generally located at the terminus of Dana Point Harbor Drive, within the City of Dana Point, County of Orange, State of California (T.8S., R.8W., Sections 22 and 23, SBBM) (refer to Exhibit 1, *Regional Vicinity* and Exhibit 2, *Site Vicinity*). The City of Dana Point is located within the southwest portion of the County and is a coastal city with a coastline extending almost seven miles from Laguna Beach to the north to San Clemente to the south. The subject site is a County owned and operated facility, which comprises approximately 276.8-acres. Access on-site is provided via Dana Point Harbor Drive, directly southwest of Pacific Coast Highway (PCH) and the Street of the Golden Lantern.

Dana Point Harbor, which opened in 1971, has established itself as one of the premiere small boat harbors on the west coast, with a diverse range of recreational and commercial activities (refer to Exhibit 3, *Aerial Overview*). The subject site currently consists of mixed uses, storage for approximately 2,493 boat slips, surface boat storage and maintenance areas, educational facilities (the Ocean Institute and Youth and Group Center), small harbor tourist shops, restaurants, and office buildings utilized by the Harbor Patrol, County, and miscellaneous businesses (refer to Exhibit 4, *Existing Conditions*).

The subject site is bordered by the Pacific Ocean to the south, Dana Headlands and Old Cove Marine Preserve to the west, Doheny State Beach to the east, and mixed uses to the north. More specifically, land uses north of the Harbor and west of Golden Lantern consists of single and multi-family residential units, restaurants, and local/County parks.

1.1.1 Proposed Improvements

For the purpose of establishing land use and development regulations for the Revitalization Plan, Dana Point Harbor has been divided into 12 Planning Areas. Additionally, as part of the Revitalization Plan, the improvements include the net addition of 6,200 square feet of retail and 27,100 square feet of restaurant uses, a new parking deck; up to 800 new dry stack boat storage spaces; a Festival Plaza and promenades replacing existing lawn and walkways and a new park and open area; refer to Exhibit 5 (Dana Point Harbor Revitalization Proposed Plan).



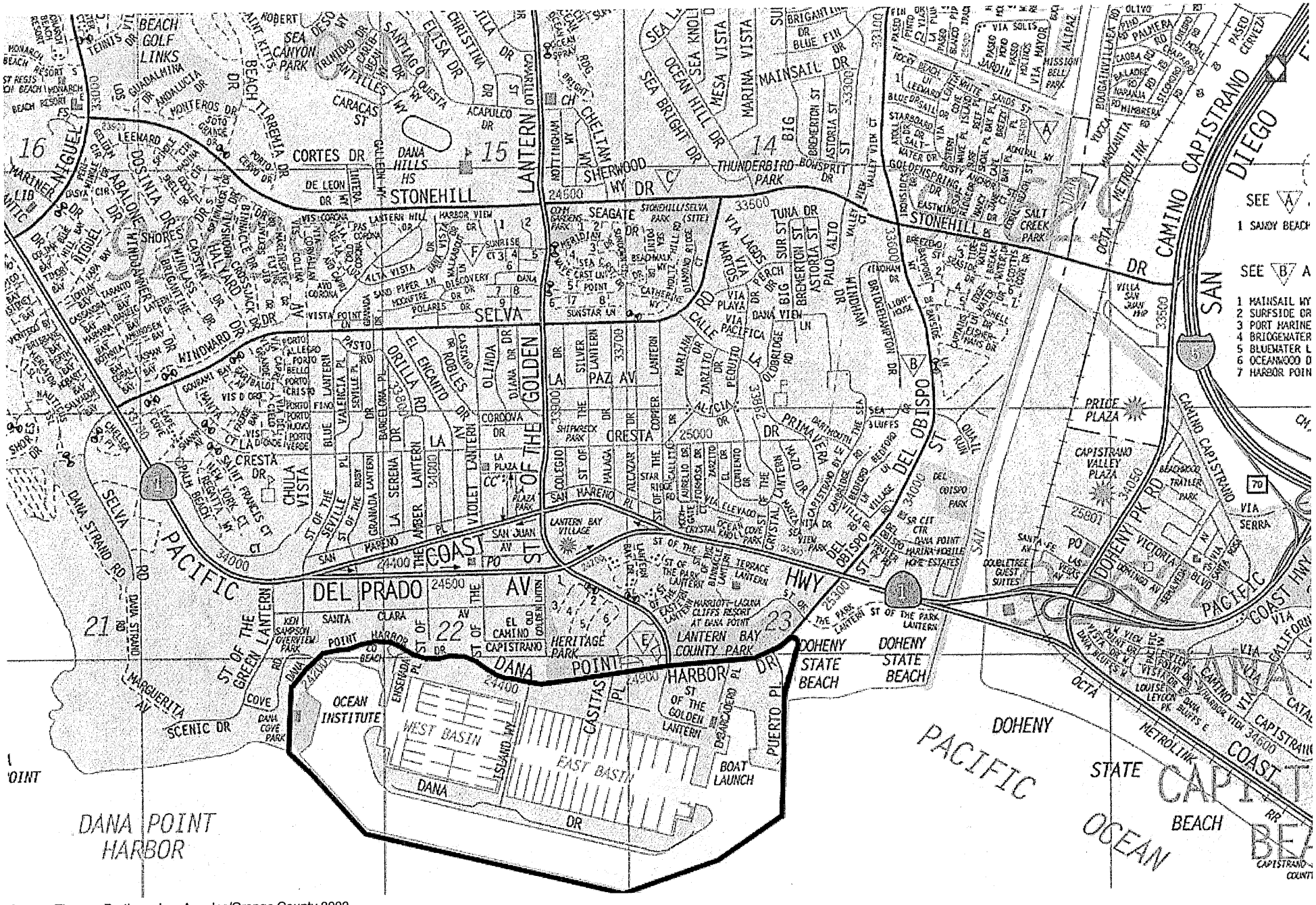
not to scale

1/20/04 JN 10-102529-10845

DANA POINT HARBOR REVITALIZATION PROJECT

Regional Vicinity Map

Exhibit 1



Source: Thomas Brothers, Los Angeles/Orange County 2002

RBF CONSULTING

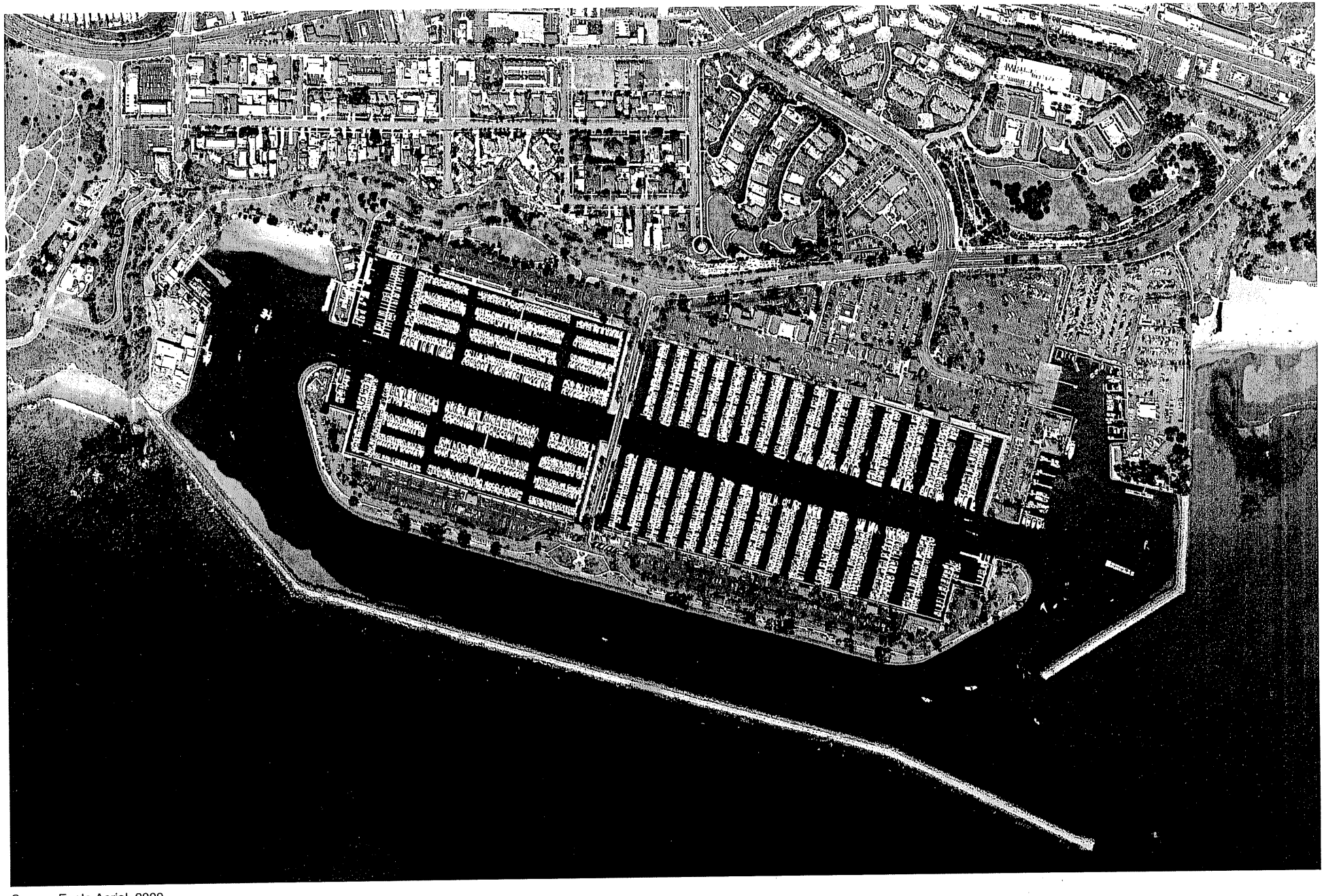
not to scale

1/22/04 JN 10-102529-10845

DANA POINT HARBOR REVITALIZATION PROJECT

Site Vicinity Map

Exhibit 2



Source: Eagle Aerial, 2000.

RBF CONSULTING

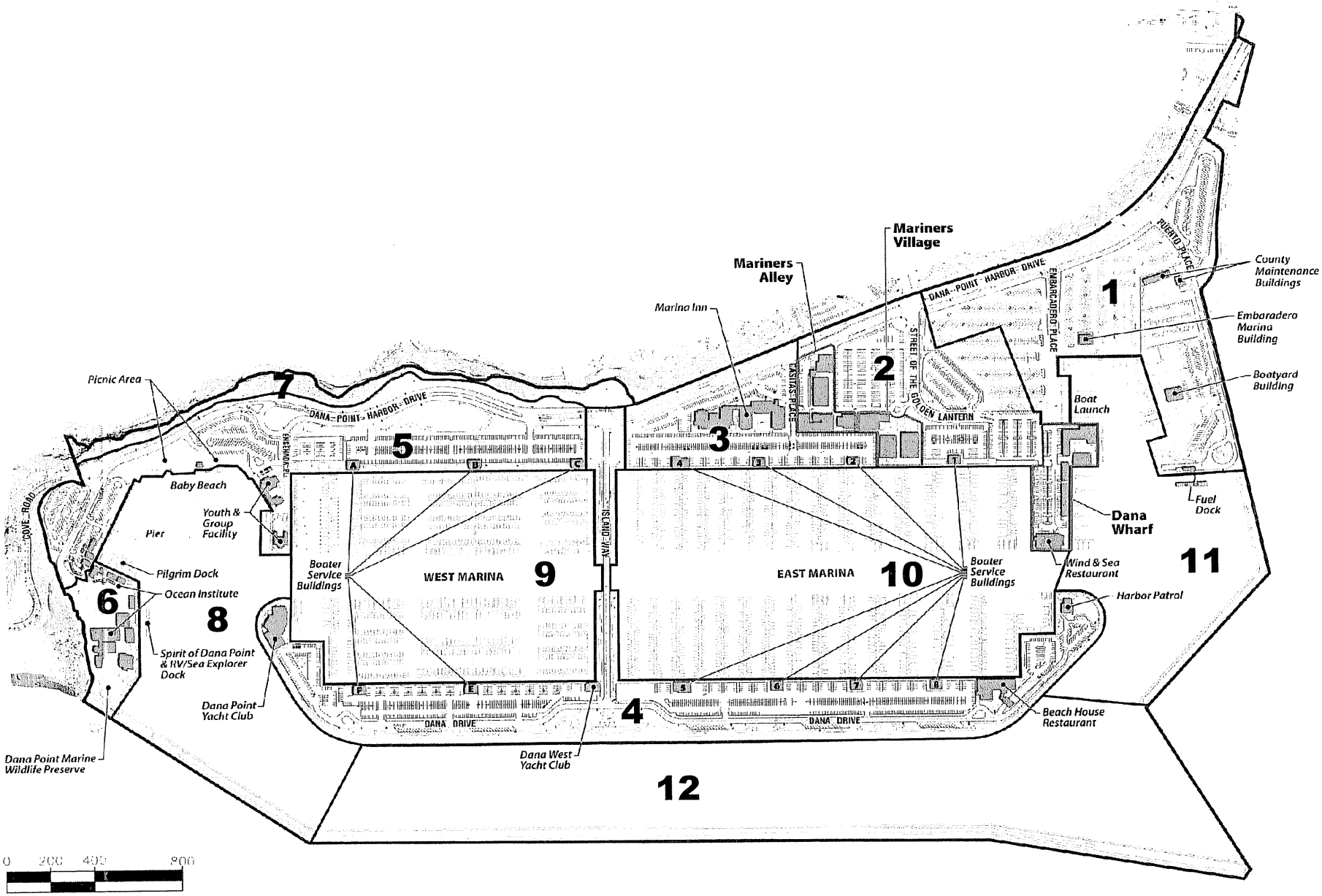
not to scale

1/20/04 JN 10-102529-10845

DANA POINT HARBOR REVITALIZATION PROJECT

Aerial Overview

Exhibit 3



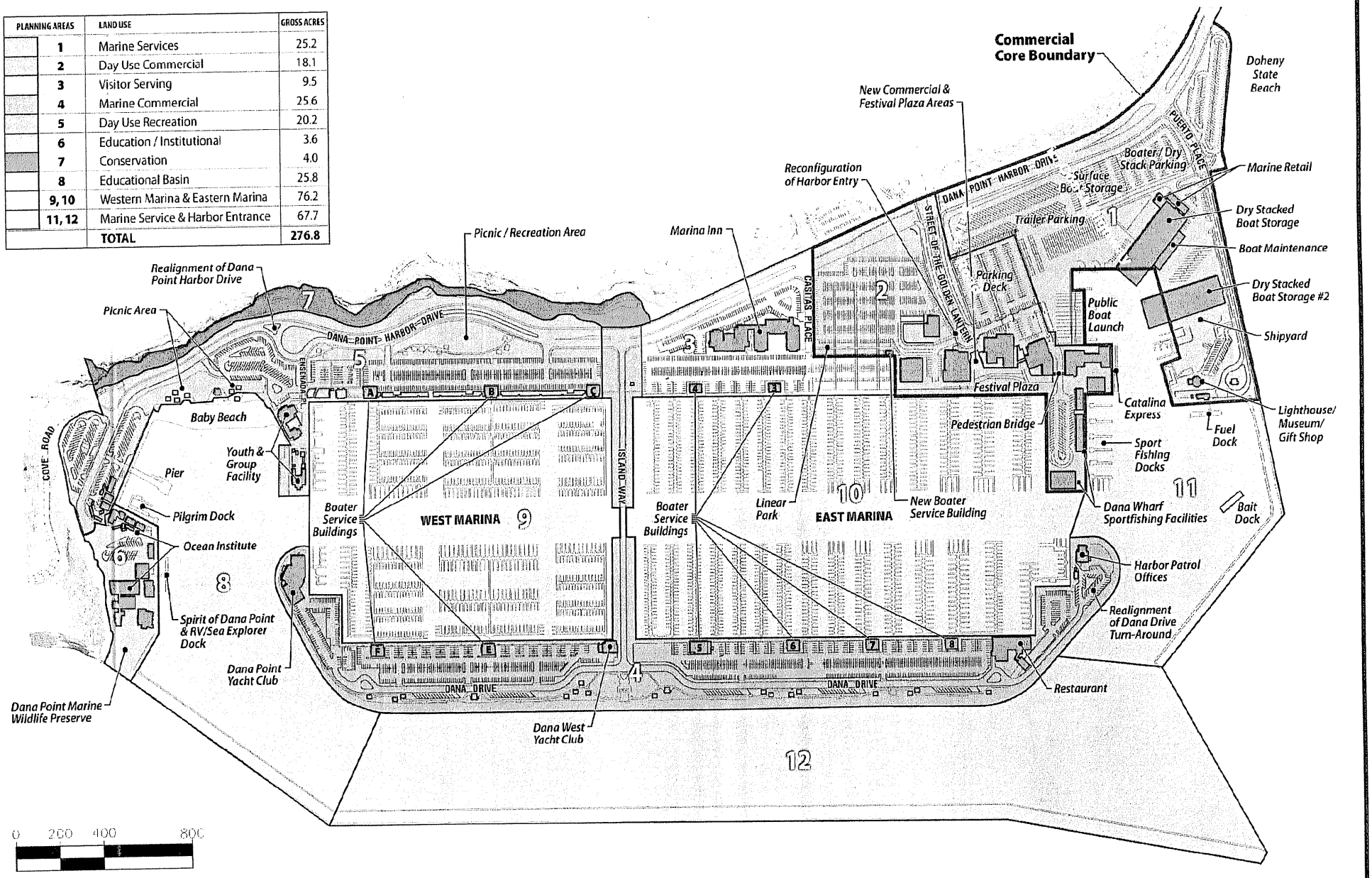
DANA POINT HARBOR REVITALIZATION PROJECT

Existing Conditions

EXHIBIT 4

RBF CONSULTING

PLANNING AREAS	LAND USE	GROSS ACRES
1	Marine Services	25.2
2	Day Use Commercial	18.1
3	Visitor Serving	9.5
4	Marine Commercial	25.6
5	Day Use Recreation	20.2
6	Education / Institutional	3.6
7	Conservation	4.0
8	Educational Basin	25.8
9, 10	Western Marina & Eastern Marina	76.2
11, 12	Marine Service & Harbor Entrance	67.7
	TOTAL	276.8



DANA POINT HARBOR REVITALIZATION PROJECT

Dana Point Harbor Revitalization Proposed Plan

EXHIBIT 5

RBF CONSULTING

1.1.2 Anticipated Future Uses

This Hazardous Materials Assessment has been prepared to support the environmental document of the proposed Dana Point Harbor Revitalization. The subject site is anticipated to be improved consistent with the proposed design elements noted in Section 1.1.1.

1.2 EXECUTIVE SUMMARY

A partial summary of results of the Preliminary Hazardous Materials Assessment is as follows (refer to Section 2.0 through 5.0 of this Assessment for a complete discussion of our investigation and conclusions):

1.2.1 Site Inspection

Evidence of recognized environmental conditions within the boundary of the subject site were observed during the July 20, 2005 site inspection which consisted of the following:

- Visible evidence of underground storage tanks (UST's)/fuel docks was observed within the northeastern portion of the subject site, primarily indicated by manholes and fuel pumps at the terminus of Puerto Place.

- Several 55-gallon drums were noted within the northeastern portion of the subject site, adjacent to the fuel docks and boat maintenance areas. The drums were situated on wood pallets and appeared to be properly maintained. It appeared that the drums contained waste-oil; however, no evidence of odor or staining was noted.

- Chemical storage areas were noted near the Harbor Patrol Office and the Anchor Marine Center (west of Puerto Place). These areas primarily contained common chemical wastes, oil, grease, solvents, and gasoline, which appeared to be associated with boat maintenance and repair.

- One (1) minor surficial oil spill was noted near the oil-disposal area, located within the Dana West Marina parking lot. Although this is an approved oil drop off location, the storage area appeared to be overflowing. The oil container that houses the waste oil was on a concrete foundation and the leaking oil appeared to be located around the base of the container.

- Maintenance areas were noted primarily within the northeastern portion of the subject site near the existing boat yard and boat launch. Although access was restricted within some portions of the subject site, it is anticipated that solvents, chemicals, oils, and petroleum products are stored and utilized on-site.

- Evidence of on-site USTs were noted through visual observations and review of the governmental records search provided by EDR. Documented USTs have been noted at the following properties and pose a "material threat":

    - Dana Point Marina, 24500 Dana Point Harbor Drive
    - Dana Point Maintenance Facility, 34551 Puerto Place
    - Dana Point Marina Company, 34553 Casitas Place
    - Embarcadero Marina, 34512 Embarcadero Place
    - Dana Point Fuel Dock, 34661 Puerto Place
    - Dana West Marina, 24501 Dana Drive
    - Dana Point Marina, 24701 Dana Drive
    - Dana Point Marina Harbor Patrol, 25005 Dana Drive

1.2.2 Asbestos Containing Materials

Based upon the year the majority of the existing structures present on the subject site were built (prior to 1978), the potential for asbestos containing materials (ACMs) to be found on-site is considered likely.

1.2.2 Lead-Based Paints

Based upon the year the majority of the existing structures present on the subject site were built (prior to 1978), the potential for lead-based paints (LBPs) to be found on-site is considered likely.

1.2.3 Adjacent Properties

The physical presence of hazardous materials on the subject site that may have been generated from adjacent properties were not visibly evident during the July 20, 2005 site inspection.

1.2.4 Public Records

Available public records were reviewed. The lists which were reviewed identified eighteen (18) listed regulatory sites within the boundaries of the subject site, which are listed below. Two of the on-site properties have reported subsurface releases and have not yet received a closure status from the appropriate lead agency.

- Dana West Marina, 24500 Dana Point Drive
- 24650 Dana Point Harbor Drive
- Dana Point Harbor, 34551 Puerto Place
- 34555 Casitas Place
- 34553 Casitas Place
- Embarcadero Marina, 34512 Embarcadero Marina
- 24200 Dana Point Harbor Drive
- Skippers Galley, Inc., 34667 Skippers Galley Inc.
- Jolly Roger-Dana Point #116, 34661 Puerto Place
- Dana Point Shipyard, 34671 Puerto Place
- Dana Point Fuel Dock, 34661 Puerto Place
- West Holding Basin, 24300 Dana Point Harbor
- Michael's Supper Club, 24399 Dana Drive
- Dana West Marina, 24501 Dana Drive
- Dana Point Marina Company, 24705 Dana Drive
- Pacific Asian Enterprises, Inc., 24703 Dana Drive
- Dana Point Marina, 24701 Dana Drive
- Dana Point Marina Harbor Patrol, 25005 Dana Drive

The lists identified 24 listed regulatory sites located within a ½-mile radius of the subject site. A potential REC on the subject site caused by these properties is considered to be low due to the groundwater flow direction from the subject site and/or the status of the identified sites. Refer to Section 3.0, *Historical and Regulatory Information Searches*, for a detailed discussion of on-and off-site listed properties.



RBF CONSULTING

Source: EDR, Inc., 2005

7/21/05 JN 10-102529-10845

DANA POINT HARBOR REVITALIZATION PROJECT

Overview Map

Exhibit 6

1.2.6 Historic Recognized Environmental Condition

A *"historic recognized environmental condition"* (HREC) is defined as a condition which in the past would have been considered a REC, but which may or may not be considered a REC currently. HRECs are generally conditions which have in the past been remediated to the satisfaction of the responsible regulatory agency. Based on this definition, 11 HRECs have been identified by EDR and are noted as part of this Assessment. The following on-site properties are considered to be HRECs due to past subsurface releases of petroleum products:

- B. Latham Wastewater Treatment, 34152 Del Obispo Street (closed site)
- Orange County CAPO Yard/EMA/San Juan Capistrano Main Yard, 34102 Del Obispo Street (closed site)
- Cannan-Bart, Inc., 25742 Victoria Boulevard (closed site)
- John Groty/Serra Lumber, 25802 Victoria Boulevard (closed site)
- Performance Haus, 34112 Pacific Coast Highway (closed site)
- Ruben's Imports/George's Imports, 34119 South Pacific Coast Highway (closed site)
- Dana Point Chevron #9-7460, 34164 Pacific Coast Highway (closed site)
- Dana Point Shell (1998-0105), 34137 Pacific Coast Highway (closed site)
- Lantern Bay Cleaners, 24839 Del Prado (closed site)
- Northern Trust Co., 34091 Pacific Coast Highway (closed site)
- Southern California Gas Company, 34271 Del Obispo Street (closed street)

1.2.7 Historical Use(s) Information

Based upon evaluation of the documented land use as demonstrated in the reviewed resources, the series of historic aerial photographs and maps, and the site inspection, the potential that adverse environmental conditions were created by previous uses of the subject site is considered to be low.

However, boat maintenance and repair uses are currently located within the northern portion of the subject site. Typically, common chemical wastes from on-site maintenance operations include oil and grease, solvents from parts cleaning and repair work, and gasoline. The present maintenance uses/materials within the northeastern portions of the subject site are considered to create a potential recognized environmental condition (material threat).

1.2.8 Opinions/Recommendations

Based on the records and other data reviewed during the preparation of this Preliminary Hazardous Materials Assessment, in accordance with the scope-of-services, and subject to the limitations thereof, current site conditions warrant further assessment. The following measures are recommended prior to and during the demolition/construction phase:

- The interior of individual on-site structures within the project site should be visually inspected prior to demolition or renovation activities, with particular attention to all industrial (maintenance area) uses. Should hazardous materials be encountered with any on-site structure, the materials should be tested and properly disposed of in accordance with State and Federal regulatory requirements. Any stained soils or surfaces underneath the removed materials should be sampled. Results of the sampling would indicate the appropriate level of remediation efforts that may be required.

- Lead-based paint and asbestos may be present within the structures constructed prior to 1978; therefore, these materials would need to be handled properly prior to any remodeling or demolition activities.

- The National Emission Standards for Hazardous Air Pollutants (NESHAP) mandates that building owners conduct an asbestos survey to determine the presence of asbestos containing materials (ACMs) prior to the commencement of any remedial work, including demolition. Prior to demolition work, it is recommended that areas be sampled as part of an asbestos survey.

- Any demolition of the existing buildings must comply with State law, which requires a contractor, where there is asbestos-related work involving 100 square feet or more of ACMs, to be certified and that certain procedures regarding the removal of asbestos be followed.

- All stained concrete/asphalt should be removed and disposed of to an appropriate permitted facility. Once removed, exposed soils should be visually observed to confirm the presence/absence of staining (an indication of contamination migration into the subsurface). If observed, stained soils should be tested to identify appropriate remedial activities (if necessary).

- Any underground storage tanks to be removed/relocated during site construction/demolition should be conducted under the purview of the local regulatory agency to identify property handling procedures. Once the tank is removed, a visual inspection of the areas beneath and around the removed tank should be performed. Any stained soils observed underneath the septic tank should be sampled. Results of the sampling (if necessary) would indicate the level of remediation efforts that may be required.

- Any transformers to be relocated during site construction/demolitions should be conducted under the purview of the local utility purveyor to identify property handling procedures regarding potential PCBs.

- Hydraulic lifts/PCB fluids may be present within on-site boat maintenance and repair shops. The primary concern with hydraulic lifts is the potential for subsurface contamination associated with hydraulic fluid leakage from the lift's piston. Therefore, it is RBF's opinion that, at minimum, the hydraulic fluids should be tested to determine the presence or absence of PCBs. Additional confirmation samples should be collected around the pistons to determine if a subsurface release of hydraulic fluids has occurred. If found, appropriate remedial measures should be implemented to the satisfaction of the lead regulatory agency.

- Demolition and construction activities are considered to be part of the Dana Point Harbor Revitalization Project. A qualified hazardous materials consultant with Phase II and Phase III experience should review groundwater documents regarding former subsurface releases at 24501 Dana Drive and 24705 Dana Drive.

- Due to the urbanized nature of the subject site, the presence of septic tanks is considered unlikely. However, Building Department Records should be reviewed to indicate any documented septic tanks and/or chemical storage tanks. If present, the tanks should be removed and properly disposed of at an approved landfill facility. Once the tank is removed, a visual inspection of the areas beneath and around the removed tank should be performed. Any stained soils observed underneath the septic tank should be sampled. Results of the sampling (if necessary) would indicate the level of remediation efforts that may be required.

- If unknown wastes or suspect materials are discovered during construction by the contractor which he/she believes may involve hazardous waste/materials, the contract shall:

- Immediately stop work in the vicinity of the suspected contaminant, removing workers and the public from the area;
- Notify the Project Engineer of the implementing Agency;
- Secure the area as directed by the Project Engineer; and
- Notify the implementing agency's Hazardous Waste/Materials Coordinator.

1.3 SCOPE OF SERVICES AND METHODOLOGY USED

The objectives of the Preliminary Hazardous Materials Assessment contained herein are as follows:

- Evaluate the potential for hazardous materials on the subject site based upon readily discernible and/or documented present and historic uses of the property and uses immediately adjacent to the site; and

- Generally characterize the expected nature of hazardous materials that may be present as a result of such uses, within the limits imposed by the scope of this Assessment.

This Preliminary Hazardous Materials Assessment is not intended to provide specific qualitative or quantitative information as to the actual presence of hazardous materials at the site, merely to identify the potential presence based on available information. To achieve the objectives of this Assessment, RBF Consulting conducted a Preliminary Hazardous Materials Assessment of the subject site to provide preliminary conclusions relative to site conditions. The Assessment included the following:

- RBF Consulting performed a site visit on July 20, 2005 consisting of a visual examination to identify areas of potential contamination on and immediately adjacent to the subject site. RBF Consulting observed the physical characteristics of the property (e.g., apparent runoff directions, location of paved areas, etc...) and the potential for soil contamination from hazardous materials (e.g., soil staining, distressed vegetation, etc...). It should be noted that the site visit specifically excluded any subsurface investigation including, but not limited to, sampling and/or laboratory analysis.

- During the site visit, RBF Consulting conducted a preliminary visual examination of immediately adjacent property conditions and their general nature.

- RBF Consulting reviewed available aerial photographs (including historical aerial photos), historical topographic maps, soil, geologic and hydrogeologic data.

- RBF Consulting interviewed various agencies with jurisdiction over the subject site.

- RBF Consulting reviewed information obtained by Environmental Data Resources, Inc. (EDR), regarding public agency records.

- RBF Consulting reviewed available property data for the subject site.

- RBF Consulting reviewed available physical setting data for the subject site.

- RBF Consulting compiled the data reviewed, discussed findings, formulated conclusions and recommendations, and prepared this written report presenting the findings of the Preliminary Hazardous Materials Assessment.

1.4 LIMITING CONDITIONS OF ASSESSMENT

The findings and professional opinions of RBF are based on the information made available to RBF (listed in Section 6.0) from public records, and should be understood to be preliminary only. RBF makes no warranties either expressed or implied, concerning the completeness of the data made available to us for this study and withholds certification of any type concerning the presence or absence of contamination of the subject site.

Property conditions, as well as local, state, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this Preliminary Hazardous Materials Assessment apply strictly to the environmental regulations and property conditions existing at the time the Assessment was performed. RBF is not responsible for the quality or content of information from these sources. The report states our conclusion based on the limitations of our Scope-of-Services.

Subsurface exploration, geologic mapping, laboratory testing of soil or water samples, lead and asbestos sampling, and operations/inventory review of adjacent uses were not performed in connection with this Assessment. This Assessment represents our professional judgement, based on the level of effort described above, as to the present potential for hazardous materials at the site.

Subsurface exploration, sampling and laboratory testing should be performed if it is deemed necessary or required to quantify the actual absence or presence of hazardous materials and recommend possible remediation measures for such hazardous materials (a "Phase II" investigation).

This Assessment addressed the likelihood of the presence of hazardous substances and/or petroleum products resulting from past and current known uses of the property and nearby properties. Certain conditions, such as those listed below, may not be revealed:

- Naturally occurring toxins in the subsurface soils (i.e., radon), rocks, or water, or toxicity of the on-site flora;
- Toxicity of substances common in current habitable environments, such as stored household products, building materials, and consumables;
- Biological pathogens;
- Subsurface contaminant plume from a remote source;
- Contaminants or contaminant concentrations that do not violate present regulatory standards but may violate such future standards; and
- Unknown site contamination, such as “midnight dumping” and/or accidental spillage which could have occurred after RBF’s site visit.

The information and opinions rendered in this Assessment are exclusively for use by the County of Orange. RBF will not distribute or publish this report without the consent of the County of Orange except as required by law or court order. The information and opinions expressed in this Assessments are given in response to RBF’s Scope-of-Services and Limitations indicated above and should be considered and implemented only in light of the Scope-of-Services and Limitations. The services provided by RBF in completing this Assessment were consistent with normal standards of the profession. No warranty, expressed or implied, is made.

2.0

PHYSICAL SETTING

Physical setting sources typically provide information regarding geologic, hydrogeologic, hydrologic, or topographic characteristics of a property. The following information is primarily based on review of the United States Geological Survey (USGS) Dana Point, California, Quadrangle, photorevised 1975, review of the Soil Survey of Orange County and Western Part of Riverside County, California, dated 1978, and a site inspection conducted by RBF July 20, 2005. Other miscellaneous resources utilized within this section and throughout the Assessment are referenced in Section 6.0, REFERENCES.

2.1 SUBJECT SITE DESCRIPTION

The following discussions provide a detailed description of the subject site:

2.1.1 Location

Dana Point Harbor, herein referred to as the subject site, is generally located at the terminus of Dana Point Harbor Drive, within the City of Dana Point, County of Orange, State of California (T.8S., R.8W., Sections 22 and 23, SBBM). The City of Dana Point is located within the southwest portion of the County and is a coastal city with a coastline extending almost seven miles from Laguna Beach to the north to San Clemente to the south. Access on-site is provided via Dana Point Harbor Drive, directly southwest of Pacific Coast Highway (PCH) and the Street of the Golden Lantern.

2.1.2 Current Use(s) of the Subject Site

The general configuration of the Harbor has three components: a landside area adjacent to the bluffs; the island area (connected by a bridge to the landside); and marina areas consisting of boat docks, slips, commercial fishing fleet slips, federal anchorage areas, tall boat docks adjacent to the Ocean Education Center and marine service and gasoline docks. For the purpose of establishing land use and development regulations for the Revitalization Plan, Dana Point Harbor has been divided into 12 Planning Areas. The following is a summary of the existing conditions for each of the Planning Areas.

PLANNING AREA 1

Planning Area 1 makes up the eastern boundary of the Harbor, beginning at the intersection of Pacific Coast Highway and Dana Point Harbor Drive. A large monument sign is located on the southwest corner marking the main entrance to the Harbor. Immediately south of the intersection along Dana Point Harbor Drive is the main entrance to Doheny State Beach and the entrance road (Park Lantern) leading to Lantern Bay Park and the Laguna Cliffs Marriott Resort and Spa. Lantern Bay Park is a local park facility operated by the County of Orange, RDMD/Harbors, Beaches and Parks and is located on the bluffs, overlooking Doheny State Beach and the Harbor. Park facilities include meandering walking trails, picnic benches and barbeques, turf areas shaded by large pine trees, newly remodeled tot-lot, basketball courts and off-street parking lot.

Located immediately west of the Doheny State Beach entrance is the Puerto Place parking area. This metered parking area (between the hours of 6 to 12 AM) has a capacity of 163 cars and includes a small picnic area with benches and barbeque that overlooks the State Beach and ocean. Beach access stairs are also provided from the parking area.

Across from the Puerto Place Parking area, the County of Orange operates the South Coastal Operations Administration Office and Maintenance Yard. The maintenance campus includes approximately 4,000 square feet of uses, including a brick office and equipment storage building, several temporary modular units, materials storage and employee parking area. A telecommunications tower is also located adjacent to the Maintenance facility, providing cell service to the Harbor.

Puerto Place extends along the eastern boundary to the Anchor Marine Center that includes the entrance to the Dana Point Shipyard, Dana Point Jet Ski Rentals and Catalina Explorer stop. A chemical storage area containing several 55-gallon drums for disposal of marine equipment waste products is located near the Anchor Marine Center (west of Puerto Place). The drums are of plastic construction and situated on wood pallets and used to store common chemical wastes, oil, grease, solvents and gasoline and are associated with boat maintenance and repair. The shipyard facilities include boat lift and administrative offices (approximately 4,000 square feet) in a two-story ribbed metal panel building.

Puerto Place terminates with a circular turn-around that has a public restroom and a small park at the breakwater. A metered parking lot (28 spaces); park area that includes benches and the fuel dock, with small convenience store (750 square feet) are also located in this area of the Harbor. There is visible evidence of underground storage tanks adjacent to the fuel dock area, indicated by manholes and fuel pumps at the terminus of Puerto Place.
Immediately west of Puerto Place on Dana Point Harbor Drive is the Embarcadero Marina entrance, consisting of a two-lane roadway with card-key control gate access. The Embarcadero Marina facilities include a large surface parking lot for vehicles and boat trailers (183 spaces), four boat washdown stations, dumpsters, boat launch ramps with two floating docks and Embarcadero Boat Rentals. Embarcadero Marina offices are housed in a two-story (2,500 square foot) building. The facility also includes a two-lane boat launch hoist. Users of the facility presently exit using the main Harbor entrance road to Street of the Golden Lantern and Dana Point Harbor Drive.

Planning Area 1 currently has a total capacity of accommodating up to 288 cars in the various parking areas, 183 cars and trailers and 516 boats in the surface storage areas.

PLANNING AREA 2

The Commercial Core area (between Embarcadeo Place and Casitas Place), presently includes Mariner's Village (directly east of Casitas Place) and Mariner's Alley, Dana Wharf and Fisherman's Alley (east of the Dana Wharf). A total of approximately 75,000 square feet of commercial, retail and restaurant uses are presently located in the commercial core area of the Harbor. Primary access to the retail shops and restaurants is from the main Harbor entrance that extends from the intersection of Dana Point Harbor Drive and the Street of the Golden Lantern. Mariner's Village and Mariner's Alley uses consist primarily of small retail specialty shops, restaurants (including The Brig, El Torito, Harpoon Henry's, The Harbor Grill and Gemmell's).

Businesses that make up the Dana Wharf area of the Harbor consist primarily of various retail uses, boater services (including Dana Wharf Sport Fishing and the Catalina Ferry Service) and restaurants (including the Wind & Sea, Turk's Bar and Grill, Jolly Roger and Proud Mary's). The adjacent parking area has a capacity of 170 spaces and narrow isles, making access by large delivery trucks and emergency vehicles difficult.

Adjacent to the boardwalk, between Mariner's Village and Dana Wharf, a 5,000 square foot Boater Service Building provides office space for yacht brokers and restroom, locker room with showers and household amenities for boaters.

Planning Area 2 currently has a total capacity of accommodating up to 900 cars in the various parking areas and up to 130 cars and trailers.

PLANNING AREA 3

Marina Inn Hotel (west of Commercial Core) Great Western Hotels built the Marina Inn in Dana Point Harbor in 1970 as a 3-story, 80-room apartment hotel for County residents looking for a weekly vacation destination. In 1974, 68-rooms were added to create the configuration of the current facility. At the time the hotel was constructed, the County expressly did not want to include retail or food service as part of the hotel to encourage guests to visit businesses and restaurants in the Mariners Village area. The Marina Inn presently provides overnight accommodations using a total of 136 guest rooms and limited guest amenities that includes outdoor pool and deck area, two meeting rooms totaling approximately 2,000 square feet and a small lobby, located at the main entrance, accessed by a driveway from Casitas Place.

Adjacent to the dock of the East Marina are three (3) boater service buildings are located to provide office space for yacht brokers, boater restrooms, locker rooms with showers and household amenities. Two of the Boater Service Buildings are approximately 3,600 square feet in size and one, located adjacent to Island Way is 5,000 square feet in size.

Planning Area 3 currently has a total capacity of accommodating up to 623 cars, including that portion of the parking area located immediately adjacent to the east marina that is reserved for use by boaters. A portion of the boater parking area is also used periodically for overflow parking during peak summer periods to accommodate additional ferry service to Catalina Island.

PLANNING AREA 4

The Island Area (accessed by Island Way and a two-lane bridge extending across the marina) includes a number of Harbor-related uses: Dana Point Yacht Club (12,400 square feet); Dana West Yacht Club (3,600 square feet); Beach House Restaurant (10,000 square feet with outdoor seating area); commercial fishing fleet docks and Harbor Patrol offices (6,000 square feet). Chemical storage areas containing several 55-gallon drums are located near the Harbor Patrol offices. The drums are of plastic construction and situated on wood pallets and used to store common chemical wastes, oil, grease, solvents and gasoline and are associated with boat maintenance and repair.

Adjacent to the docks along the length of the Island are a total of six (6) boater service buildings, each approximately 3,600 square feet in size. The buildings presently provide office space for yacht brokers, boater restrooms, locker rooms with showers and household amenities. Located immediately adjacent to the boater service buildings in the boater parking lots are racks for housing kayaks and other small boats. The Island also includes a linear park with meandering walk, turf and picnic areas and public restrooms are located throughout.

Planning Area 4 currently has a total capacity of accommodating up to 1,295 cars, including that portion of the parking area located immediately adjacent to the docks that is reserved for use by boaters. A portion of the boater parking area is also used as a surface boat storage area with a capacity to house up to 40 vessels.

PLANNING AREA 5

Key recreational amenities include the Dana Point Youth and Group Facility, Baby Beach (including a non-motorized craft launch) and a public fishing pier. Baby Beach, being located adjacent to a large picnic area, the Ocean Education Center, public fishing pier, Youth & Group Facility is a popular location for picnics, beach activities, beginner sailing, kayaking and private parties. A small snack shack, previously located adjacent to the public fishing pier has closed and requires extensive renovation to satisfy current health and building code standards. The Youth and Group Facility offers meeting rooms for recreational activities, community events and private parties, as well as sailing, ocean-related programs and the Sea Scout Base.

The Dana Point Youth and Group Facility is located on the west side of the Dana Point Harbor Drive. It was built in 1985 to serve as a center for education and recreation for water activities. This facility is comprised of several wood framed buildings containing offices, a multi-purpose activities building, maintenance building, dry boat storage, boat pre-launch area, hoist and docks. The multi-purpose building is used for classes, meetings, programs and special events. The office building has two stories with conference rooms and offices on the second level. The maintenance building includes classrooms and storage room.

Adjacent to the West Marina dock area are a total of three (3) boater service buildings, each approximately 3,600 square feet in size. The buildings presently provide office space for yacht brokers, boater restrooms, locker rooms with showers and household amenities. In the upper level of the Boater Service Building located adjacent to Island Way, the County of Orange Harbor Department maintains a Harbor Operations office.

Planning Area 5 currently has a total capacity of accommodating up to 725 cars, including that portion of the parking area located immediately adjacent to the docks that is reserved for use by boaters. Located in several of the boater parking lots, racks for housing kayaks and other small boats are also provided.

PLANNING AREA 6

The Ocean Education Center is located in the westernmost portion of the Harbor, providing a unique educational campus, situated adjacent to the Dana Point Marine Life Refuge and newly created coastal dune park. The newly expanded facilities provide a hands-on experience to children and adults, including the RV/Sea Explorer Cruises, the historical Brig "Pilgrim" and "Spirit of Dana Point", tide pool excursions and other marine/coastal educational programs.

The facility consists of a total of approximately 33,800 square feet in a series of small buildings, designed to emulate the campus of an early coastal marine science facility located along the coastline of the western United States. Principle goals for undertaking a comprehensive renovation of the facility included providing significant increases in seating capacity for lectures and special events, an increase in learning center resource space, areas for teacher conferences and training/lecture and space for administrative staff and operational functions.

Three of the buildings are devoted to creating unique laboratory environments that serve as the principal learning centers for the At Sea (2,100 square feet), Ecology (4,000 square foot) and Surf Science / Overnight (4,500 square foot physical and earth sciences lab) programs. Three other buildings house support services, including the bookstore (3,300 square foot Campus Store), a multipurpose room (3,380 square feet) and a student services building (13,600 square feet) that incorporates a main lobby area, exhibit area and student services, administration and conference room. The facility also includes two of the original buildings, the Maritime Center (1,362 square feet) and Chilcote House (496 square feet).

The parking area adjacent to the Ocean Education Center facility provides parking for 118 cars and also includes public restrooms and pedestrian walkways connecting with other areas of the Harbor, including the large boat docks and nearby fishing pier. The Ocean Education Center facility also serves as the principle point of access to the Dana Point Marine Life Refuge area. Currently the general public accesses the Wildlife Refuge primarily via the Harbor walk (along the seawall) or by using an emergency access road located in an easement area along the western edge of the Ocean Education Center.

PLANNING AREA 7

The Harbor is backed by high bluffs and cliffs. Several drainage outlets are located at various points along the bluffs to route storm water towards the Harbor from surrounding upland areas. A portion of the bluff east and west of Golden Lantern was graded and concrete brow ditches installed to

divert surface runoff. The upper and lower system of laterals and intermediate drop channels are maintained by the County of Orange.

PLANNING AREA 8

The Educational Basin is located in the westernmost portion of the Harbor and includes a federal anchorage area and tall boat docks adjacent to the Ocean Education Center. In addition to docks for the Spirit of Dana Point and the Pilgrim vessels, a public fishing pier is located immediately adjacent to the Pilgrim dock. Because of its sandy bottom and gradual transition to deeper water in the main channel of the Harbor, the Educational Basin and Baby Beach are frequently used by kayakers to enter and leave the water.

PLANNING AREAS 9, 10, 11 & 12

Marinas includes the West Marina (west of Island Way includes the West Turning Basin) and the East Marina (east of Island Way, adjacent to Dana Wharf and the Commercial Core area and including the East Turning Basin and a full-service fuel dock/bait station).

Fully-sheltered from the open ocean by almost 8,000 lineal feet of Federal breakwater, the interior basins provide berthing for approximately 2,260 small-crafts. A variety of public, commercial and educational ancillary facilities and recreation amenities, most of which are lease operated, occupy the areas adjacent to the mooring areas and waterways. The harbor was completed in 1970 and has been heavily used for active and passive forms of aquatic and related forms of recreation.

The County is directly responsible for operation and maintenance of all three small boating facilities within the Harbor. The Orange County Sheriff Harbor Patrol docks are located near the entrance to the East Basin. The facility consists of a combination of 23 single berth and additional side-tie dock space totaling approximately 10,000 square feet of deck area. The floating docks are constructed of industry standard concrete pontoons fastened together with continuous treated timber wale and through rod systems. Several of docks have been recently replaced, however original gangways and anchor piles remain in good condition. The West Basin Guest Docks are located near the entrance to the western boat basin. The transient berthing area contains 22 slips distributed over a single head walk. The 9,900 square feet of deck space has also been partially replaced with a concrete floating deck system. The third County boating element is the dock space at the Youth and Group Facility located on the interior aspect of the West Basin. Two concrete dock systems on both sides of the educational center have been installed. The total deck space is approximately 10,700 square feet and provides a combination of wet and dry storage for small sail boats and dinghies.

The shoreline interface of Dana Point Harbor is protected by a combination of vertical bulkhead and side slope protection. The bulkhead is a cast-in-place concrete L-wall that borders the water's edge in the East and West Basins and the landside perimeter of the Harbor. The basin side slopes are protected within the mooring basins by a grid of pre-cast concrete panels set on grade. Areas outside of the mooring basins are armored with stone riprap.

2.1.3 Description of On-Site Structures

Multiple structures are located within the boundaries of the subject site. The majority of the on-site structures are utilized as commercial, educational, and recreation uses. The on-site structures appeared to be situated on concrete foundations, of wood frame construction with either stucco or brick siding. Based on historical maps and interviews, the majority of the on-site structures were constructed before 1978.

2.1.4 Zoning/Land Use Records

Zoning/land use records generally consist of records of the local government in which the subject site is located and indicates the use permitted by the local government in particular zones within its

jurisdiction. The records may consist of maps and/or written records. The County of Orange zoning code has designated the subject area as Dana Point Harbor Planned Community (DPHPC) zoning. Implementation of the proposed project improvements would be consistent with the Dana Point Harbor Commercial Core Master Plan and Dana Point Zoning Map.

2.2 TOPOGRAPHY

The United States Geological Survey (USGS) maps show geological formations and their characteristics, describing the physical setting of an area through contour lines and major surface features including lakes, rivers, streams, buildings, landmarks, and other factors that impact the spread of contamination. Additionally, the maps depict topography through color and contour lines and are helpful in determining elevations and site latitude and longitude. Based on the USGS, Dana Point California Quadrangle, photorevised in 1975, on-site topography ranges from approximately 0 to 30 feet above mean sea level (msl). The subject site and immediate vicinity appear to be on topography similar to present day. No pits, ponds, or lagoons within the subject site were noted on this topographical map.

2.3 CURRENT USES OF ADJOINING PROPERTIES

For the Scope of this Assessment, properties are defined and categorized based upon their physical proximity to the subject site. An adjoining property is considered any real property or properties the border of which is contiguous or partially contiguous with that of the subject site, or that would be contiguous or partially contiguous with that of the subject site but for a street, road, or other public thoroughfare separating them. An adjacent property is any real property located within 0.25 miles of the subject site's border. The following is a detailed description of each adjoining land use observed on July 20, 2005:

North: Dana Point Harbor Drive is located north of the subject site. Mixed uses (commercial, recreational, and residential) are located to the north of the subject site (along Pacific Coast Highway).

East: Doheny State Beach (day use and camping) and the San Juan Creek Outlet adjoins the subject site to the east.

South: The Pacific Ocean and Gulf of Santa Catalina adjoins the subject site to the south.

West: Scenic Drive, the Dana Point Headlands, and the Dana Point Marine Life Refuge are located west of the subject site.

2.4 GEOLOGIC CONDITIONS

2.4.1 Geology

Geological maps can be effective in estimating permeability and other factors that influence the spread of contamination. According to the Geologic Map of Orange County California, dated 1981, the subject site is underlain by the following geologic conditions: San Onofre Breccia (Tso), Siltstone Facies (Tcs), and Turbidite Facies (Tct).

Additionally, according to the Dana Point Final EIR, three main geologic formations are visible within the harbor area. The bedrock material is primarily contained within a portion of the Capistrano Formation (upper Miocene to lower Pliocene geologic age). A block of San Onofre Formation (middle Miocene) is exposed due to uplifiting at the western edge of the harbor along the headlands near the Ocean Education Center. The Capistrano Formation consists of various mappable units including interbedded conglomerates and sandstone exposed along the western half of the sea

cliffs, sandstone containing intermittent siltstone and conglomerate layers in the eastern portion, and between these a deposit of higher percentage siltstone. Stream terraces are exposed at the extreme eastern end of the harbor.

2.4.2 Soils

According to the *Soil Survey of Orange County and Western part of Riverside County, California* the subject site is situated on the Marina Series association. This association consists of somewhat excessively drained soils on terraces near the coast. These soils formed in old Eolian sands. Slopes are 0 to 9 percent. Elevation ranges from 50 to 600 feet. The soil is medium acid throughout. It is moderately permeable. Two (2) soil series are present on the subject site and are briefly described below:

Beaches: Beaches consists of sandy, gravelly, or cobbly coastal shores that are washed and rewashed by tidal and wave action. These areas may be partly covered with water during high tides or stormy periods. They support little or no vegetation and have no agricultural value. Runoff is very slow, and the erosion hazard is high. Present land use is recreation and urban development.

Cieneba sandy loam, 15 to 30 percent slopes: This steep to very steep soil is eroded. It is only 5 to 15 inches deep over bedrock. In many places it is cut by gullies and intermittent drainage channels. Geologic erosion is active, and small land slips are common. Surface cobbles and stones are numerous in some areas. This soil is bare, runoff is rapid and the erosion hazard is high. Available water capacity is 0.75 to 2.5 inches. The soil is medium acid throughout. It is moderately rapidly permeable. Present land use is limited to range, watershed, and wildlife habitat.

2.4.3 Radon

Radon is a radioactive gas that is found in certain geologic environments and is formed by the natural breakdown of radium, which is found in the earth's crust. Radon is an invisible, odorless, inert gas which emits alpha particles, known to cause lung cancer. Radon levels are highest in basements (areas in close proximity to the soil) that are poorly ventilated. It should be noted that a radon survey was not included within the scope of this investigation. However, according to the "*U.S. EPA Map of Radon Zones*," the County of Orange is located within Zone 3 which has a predicted average indoor screening level of <2.0 Picocuries per liter (pCi/L). EPA recommends remedial actions when radon levels are greater than 4.0 pCi/L (refer to Appendix B, *Documentation*).

2.5 Biological Setting

The biotic community that exists within the vicinity of the subject site is typical of most urbanized areas. Plants and animals in the area have been introduced by man and are tolerant to urban land uses. The majority of the subject site consists of landscaped grasses and ornamental landscape.

2.6 Drainage/Hydrology

2.6.1 Drainage

Dana Point Harbor presently receives drainage from the tributary land areas of Dana Point, from area within Dana Point, and from precipitation occurring within the harbor area. Due to the impervious nature of the majority of the subject site (i.e., parking lots, cement trails, and storage areas), drainage of the site is accomplished by overland sheet flow, which is generally in a southwestern direction. Surficial water flow along Dana Point Harbor Drive enters the City's storm water system via drainage improvements; due to the nature and setting of the subject site, the majority of surficial water flow is anticipated to rapidly enter the Pacific Ocean.

2.6.2 Flood Hazards

Flood Prone Area Maps published by the USGS show areas prone to 100 year floods overlaid on a topographical map. These maps are not considered the official Federal Emergency Management Agency (FEMA) flood maps, therefore in cases where a property is located immediately adjacent to or within the flood prone boundary, a FEMA map should be obtained. According to the EDR Database search, portions of the subject site are located within a 100-year flood zone. Refer to the EDR Area Study Map located in Appendix A, *EDR Search*, for an illustration of the 100-year flood zone.

2.7 GROUNDWATER AND WATER WELLS

No technical groundwater or water well data was readily available during the preparation of this Assessment. As a result, RBF assumes groundwater flow would follow the slope of the ground surface elevations towards the nearest open body of water or intermittent stream (i.e., southwest towards the Pacific Ocean). According to relevant data obtained during file reviews, on-site properties have reported an approximate groundwater depth of 5 to 6 feet below ground surface (bgs).

3.0

HISTORICAL AND REGULATORY INFORMATION SEARCHES

Historical subject site use information was obtained from **1902** to the present. The following historical information is based upon review of available historical maps and documents, available public information, interviews, and a review of a series of historical aerial photographs dating from 1946 to 1994.

3.1 HISTORICAL SITE USAGE

3.1.1 Interviews

3.1.1.1 County of Orange Fire Authority

RBF contacted Ms. Jennifer Bowwer, of the Orange County Fire Authority (OCFA) on April 14, 2003 to determine which fire stations are responsible for Dana Point Harbor. Ms. Bowwer indicated that fire stations #29, #30, and various other stations, depending on the type of response needed, serve the Dana Point Harbor area. Ms. Bowwer referred RBF to the County of Orange Health Care Agency, which maintains records of underground storage tank (UST) maintenance, hazardous material spills, releases and remediation efforts on-site (refer to Appendix B, *Documentation*).

3.1.1.2 Orange County Health Care Agency

RBF interviewed the Custodian of Records with the County of Orange Health Care Agency on April 11, 2003 regarding the subject site in an effort to determine whether the subject site has been under investigation of any hazardous materials regulations. Agency files typically contain information of underground/aboveground storage tanks and hazardous usages/storage based on a street address. According to the agency's records, files are maintained for on-site properties and are available for review. RBF scheduled a file review, which is discussed in Section 3.2.1.8.

3.1.1.3. Regional Water Quality Control Board

RBF contacted the Custodian of Records with the Regional Water Quality Control Board (RWQCB) -San Diego Region, on January 27, 2003 with regard to properties listed in the Environmental Data Resources (EDR) Database Search. The RWQCB is generally the lead agency for properties that have reported subsurface releases of petroleum products. RBF submitted such properties to the RWQCB on January 27, 2003 and requested a file review in order to determine the lateral and vertical extent of contamination with respect to the subject site. However, according to the Custodian of Records, no records were maintained for requested properties (refer to Appendix B, Documentation). For the purposes of this Assessment, the OCHCA maintains files for regulated properties.

3.1.1.4. *Dana Point Harbor Patrol*

RBF interviewed Sgt. Falk with the Dana Point Harbor Patrol on April 15, 2003 in an effort to determine the presence or absence of files regarding to the subject site. Sgt. Falk indicated that there are two (2) underground storage tanks (USTs) located within the subject area. One of the on-site USTs is located at the fuel dock and the other UST is located at the Harbor Patrol office. In addition, it was noted that the County of Orange maintains the USTs within the subject site. To Sgt. Falk's knowledge, no hazardous material spills, releases, or leaks have occurred on-site (refer to Appendix B, *Documentation*).

3.2.1 Documentation

3.2.1.1 *Building Department Records*

Building Department Records are those records of the local government in which the subject site is located indicating permission of the local government to construct alter, or demolish improvements on the property. The purpose for a records review is to obtain and review available building permit records which would help to evaluate potentially recognizable environmental condition(s) which could be connected with the subject site. RBF requested Building Department Records from the City of Dana Point; however, no records were provided by the City. No building department records were reviewed during the course of this Assessment.

3.2.1.2 *Recorded Land Title Records*

Recorded land titles are records usually maintained by the municipal clerk or county recorder of deeds which detail ownership fees, leases, land contracts, easements, liens, deficiencies, and other encumbrances attached to or recorded against the subject site within the local jurisdiction having control for or reporting responsibility to the subject site. Due to state land trust regulations and laws, land title records will often only provide trust names, bank trust numbers, owner's names, or easement holders, and not information concerning previous uses or occupants of the subject site. Additionally, environmental liens recorded against the subject site are, at times, considered outside the scope of recorded land title records. For these reasons, this Assessment has relied upon other standard historical information sources assumed to be either more accurate or informative than recorded land titles.

3.2.1.3 *Property Data*

RBF reviewed property data for the subject site provided by *First American Real Estate Solutions (2003)*. This data generally provides current property ownership information and includes information regarding on-site improvements, zoning, land use, transfer of last sale, and other miscellaneous structural improvements. Table 1, *On-Site Property Data*, below, lists those on-site properties with reasonably ascertainable property data.

Table 1
On-Site Property Data

Facility Address	Lessee Name	Company Name
24200 Dana Point Harbor Drive	Orange County Ocean Institute	N/A
24399 Dana Drive	Dana Point Yacht Club	N/A
24450 Dana Point Harbor Drive	Ship to Shore Insurance	N/A
24450 Dana Point Harbor Drive	Headlands Yoga	N/A
24450 Dana Point Harbor Drive	Dream Catcher Yachts	N/A
24500 Dana Point Harbor Drive	TBW Co.	Dana West Marina
24501 Dana Drive	TBW Co.	Dana West Marina
24601 Dana Drive	Dana West Yacht Club	Dana West Yacht Club
24650 Dana Point Harbor Drive	Aventura Sailing Assn.	Aventura Sailing Assn.
24703 Dana Drive	N/A	Lemest Yacht Sales
24705 Dana Drive	N/A	Marine Tech
25001 Dana Drive	Rancho Beach House	The Beach House
34451 Casitas Place	N/A	Dana Island Yachts
34461 Golden Lantern	Demike, Inc.	The Brig Restaurant
34463 Golden Lantern	Shari Sicsko	Arrow Custom Covers
34467 Golden Lantern	N/A	West Marine
34469 Golden Lantern	Phillip Pusey	Super Stop Liquor
34471 Golden Lantern	Byron Gemmell, Edwin Gemmell, and Mynor Gemmell	Gemmell's Restaurant
34473 Golden Lantern	Beach Cities Pizza	N/A
34475 Golden Lantern	George and Diana Psilopoulos	White Pelican Gallery
34481 Golden Lantern	Susan and Robert Finn	The Country Fox
34483 Golden Lantern	Joanna Giangardella and Rene Churchill	J&I Salon
34485 Golden Lantern	Mary and Richard Palys	Sea Styles
34487 Golden Lantern	Sudhir Sutaria and Meena Sudhir Sutaria	Raj Parfumerie
34489 Golden Lantern	Nevian Sidhom	Chez Nevine
34491 Golden Lantern	Gabrielle Bassman	The Alley Cat
34493 Golden Lantern	Quatro, Inc.	Quatro
34495 Golden Lantern	Carol Wilson	Mile Fleurs
34499 Golden Lantern	N/A	Harbor Grill
34501 Embarcadero Place	Dana Point Marina Corp.	Embarcadero Marina

34503 Golden Lantern	Zakai, Inc.	Art Sea
34505 Golden Lantern	Upstairs Store, Inc.	Upstairs Store
34507 Golden Lantern	Zakai, Inc.	Gift Chateau
34509 Golden Lantern	Samson and Theresa Friedman	Whimsey Hollow
34511 Golden Lantern	B&G Classic Corporation	Catalina Seashell Company
34513 Golden Lantern	Detra Francis	Chocolate Soldier
34515 Golden Lantern	JW Jewelry, Inc.	JW Jewelry
34521 Golden Lantern	N/A	El Torito
34525 Golden Lantern	Downstairs Store, Inc.	Downstairs Store
34531 Golden Lantern	Miller and Miller	Coffee Importers
34535 Golden Lantern	Miller and Miller	Scoop Deck
34553 Casitas Place	N/A	Dick Simon Marina
34555 Casitas Place	Dana Point Marina Company	Dana East Marina
34555 Golden Lantern	N/A	Harpoon Henry's
34571 Golden Lantern	N/A	Dana Harbor Yacht Sales/Charters
34661 Golden Lantern	N/A	Jolly Roger
34661 Puerto Place	K.D.L. Services Inc.	Dana Point Fuel Dock
34663 Golden Lantern	Linda Wetanson	Unique and Novel
34665 Golden Lantern	Jon's Fish Market Inc.	Jon's Fish Market
34667 Golden Lantern	N/A	Skipper's Galley
34669 Golden Lantern	Angie Urkide and Ronald West	Nutcracker Sweet
34671 Golden Lantern	Kristin Hanscom	Hot Lava
34671 Puerto Place	Anchor Marine Repair Company	Dana Point Shipyard
34673 Golden Lantern	John and Alice Shimko	Joy's
34675 Golden Lantern	N/A	Dana Wharf Sportfishing
34677 Golden Lantern	Maria Sherman	Golden Galleon Boutique
34679 Golden Lantern	Jennifer Rentziperis	Top Brass
34683 Golden Lantern	Turk's Dana Warf, Inc.	Turk's
34689 Golden Lantern	Proud Mary's Restaurants, Inc. (Lawrence Merrill)	Proud Mary's Restaurant
34699 Golden Lantern	N/A	Wind and Sea Restaurant
34902 Dana Point Harbor Drive	Great Western Hotel Corp.	Dana Point Harbor Marina Inn
Cellular Communication 108-1	Airtouch Cellular & Paging	N/A
West Cove Pier	Paula Hops	Pier Concession
xxxxx Golden Lantern	N/A	Catalina Express

3.2.1.4 *City Directory Searches*

City Directories, published by private companies (or sometimes the government), provide a chronological sequence of past site ownership, occupancy, and/or uses for a property by reference of an address. This type of search is particularly effective and primarily used to determine the past uses of commercial properties. However, due to the quantity of on-site properties, this Assessment has relied upon other standard historical information sources assumed to be either more accurate or informative than City Directory Searches.

3.2.1.5 *Sanborn Fire Insurance Maps*

Sanborn Maps contain detailed drawings which indicate the location and use of structures on a given property during specific years. These maps were originally produced to show buildings in sufficient detail for insurance underwriters to evaluate fire risks and establish premiums, but now are utilized as a valuable source of historical and environmental risk information. At the time of this Assessment, no Sanborn Maps have been published for the subject site (refer to Appendix B, Documentation).

3.2.1.6 *California Department of Oil, Gas, and Geothermal Resources*

RBF reviewed a Wildcat Map provided by the California Department of Oil, Gas, and Geothermal Resources (DOGGR). These maps indicate existing and historical oil and gas wells within the immediate vicinity of the subject site. Current well status for any well indicated on the Wildcat Maps should be confirmed at the appropriate Division of Oil and Gas District Office. According to the Wildcat Map W1-4, for the Orange, Riverside, and San Bernardino Counties, dated April 24, 1999, no existing/historical oil or gas wells are identified on or within the immediate vicinity of the subject site. Refer to Appendix B, *Documentation*, for a copy of Wildcat Map W1-4.

3.2.1.7 *Subject Site History-Overview*

The subject site (referred to as Dana Cove prior to Harbor construction) was first anchored in 1769 by Gaspar De Portola. After founding the Mission San Juan Capistrano in 1776, the "cove" was used more extensively. In the 1800's the cove was used as a hide and tallow trading port. In 1830, the cove was visited by author Richard Henry Dana, whose name was subsequently chosen by the San Juan Corporation as the name for a resort destination in the Harbor built in the early 1920's. Dana Cove was the site for the world-famous "Killer Dana" surfing location, where the cove's northern point created unusually favorable surfing conditions.

In 1949, the County of Orange approved a feasibility study for the development of the Dana Point Harbor project at the project site. In 1957, the Dana Point Harbor project was incorporated into the California Coastal Harbor Program and in 1958 the United States Congress funded a survey report by the United States Army Corps of Engineers. In 1959, the Dana Point Harbor project was included in the State of California Division of Small Craft Harbors report titled "Master Plan for California's Small Craft Harbors". The State Legislature granted the majority of the site to the County of Orange as part of the Tidelands Grant in 1961. The Dana Point Harbor project received congressional authorization under Public Law 87-874 in 1962. Final general design for the Harbor was issued in 1965 by the United States Army Engineer District, Los Angeles, Corps of Engineers. The Chandler-Sherman Corporation deeded the small remainder of land at the base of the bluff to the County in 1970. The Harbor was dedicated on July 31, 1971.

3.2.1.8 *File Review- Orange County Health Care Agency*

Due to subsurface releases reported by both on-and off-site properties, RBF conducted a file review at the Orange County Health Care Agency on April 24, 2003 in an effort to identify the current status and obtained further information with respect to the properties, files were not available for 34091 Pacific Coast Highway, 34342 Pacific Coast Highway, 24500 Dana Point Harbor Drive, 24705 Dana Point Harbor Drive, and 34661 Puerto Place. The following is a summary of the files reviewed:

34553 Casitas Place, Dana Point Marina Company: An UST released waste oil and caused subsurface contamination. However, the file indicated that the remedial action required for the UST has been completed. The case was closed as of August 1, 1995.

34306 Pacific Coast Highway, 76 Station No. 7329: The most recent Fluid Level Monitoring and Groundwater Sampling Report reviewed was conducted on October 13, 2002. The plume maps of this report indicate that contamination is present surrounding the site. However, this contamination is not anticipated to impact the subject site since the site of contamination is located greater than ¼ mile from the subject site.

34164 Pacific Coast Highway, Chevron Station No. 9-7460: The most recent Workplan for Additional Site Assessment that was reviewed was dated June 17, 1996. The Workplan indicated that further work is required to determine the gradient of the groundwater and to determine the on-site extent of petroleum hydrocarbons.

24500/24501 Dana Point Harbor Drive, Dana West Marina: This file indicated that waste oil contamination to soil was discovered as a result of a UST removal. Included in the file was a Remedial Action Completion Certification dated October 28, 1996. Therefore, remedial action has been completed for this site and it no longer poses a potential threat to the subject site.

34512 Embarcadero Place, Embarcadero Marina: The most recent Quarterly Groundwater Monitoring Report reviewed was dated July 1999. This report indicated that two former USTs were removed from the site and the presence of MTBE was noted within the groundwater underneath the removed tanks. Groundwater sampling was performed and indicated that Benzene and MTBE were detected, however, both at low concentrations. However, the recent EDR report, dated July 11, 2005, listed 34512 Embarcadero Place as a case closed status as of September 8, 2000. Therefore, 34512 Embarcadero Place is considered to be a low potential for an environmental condition on the project site due to site status.

25005 Dana Point Harbor Drive, Dana Point Harbor Patrol: The files reviewed for this site indicate that remedial action has been completed and no further action is required. The case was closed as of November 18, 1992.

3.2.1.9 *Historical Topographic Maps*

RBF reviewed historical topographic maps dated 1902 through 1975, for the subject site and adjacent areas provided by EDR. Review of available historical topographic maps provided the following chronological sequence of site history. Copies of the historical topographic maps as well as the most recent topographic map are presented in Appendix B, *Documentation*.

1902: In the 1902 USGS Capistrano, California Quadrangle, on-site uses consist of open beach. The San Juan Creek as well as several structures can be seen

northeast of the subject site. San Juan Rock is visible to the west of the subject site. It should be noted that the 1902 topographic map is a 15-minute series map. No pits, ponds, or lagoons were noted on the 1902 topographic map.

1949: In the 1949 USGS Dana Point, California Quadrangle, on-site topography is similar to the 1902 topographic map. An increase in development appears to have occurred within the surrounding area. No pits, ponds, or lagoons were noted on the 1949 topographic map.

1968: In the 1968 USGS Dana Point, California Quadrangle, on-site topography is slightly different from the 1949 topographic map due to the addition of a breakwater. Surrounding off-site uses appear to have further increased in development. No pits, ponds, or lagoons were noted on the 1968 topographic map.

1975: In the 1975 USGS Dana Point, California Quadrangle, on-site topography is slightly different from the 1968 topographic map. Dana Point Harbor is noted within the subject site via photo revisions. Surrounding off-site uses seem to have drastically increased in development, now consisting of several mixed land uses.

Based on review of the above referenced historical topographic maps, the subject site appears to have consisted of open beach (Dana Cove) and the Dana Point Harbor (with multiple uses). No evidence to support the existence of a recognized environmental condition on-site was visible during the review of topographical maps.

3.1.3 Aerial Photographs

RBF reviewed available aerial photographs for the subject site and immediately adjacent areas to assist in the identification of development activities that have historically occurred on-site. Review of available historical aerial photographs dated 1946 through 1994 provided the following chronological sequence of site history. The aerial photographs were provided by Environmental Data Resources, Inc., and are listed in Section 6.0, *References.* Copies of these historical aerial photographs are presented in Appendix B, *Documentation.*

1946-1953: In the 1946 and 1953 aerial photographs, the subject site consists of primarily open beach uses. Limited structures are present within the northern portion of the site; however, this area is primarily dominated by vacant land.

1968: In the 1968 aerial photograph, on-site uses are slightly different from those viewed in the 1946 and 1953 aerial photographs due to what appears to be the addition of a breakwater. Overall, the subject site as well as surrounding sites continue to be dominated by open beach and land uses.

1977: In the 1977 aerial photograph, on-site uses appear to be substantially different from that viewed on the 1968 aerial photograph. The Dana Point Harbor is now visible within the subject site. Surrounding off-site land uses seem to have increased in development.

1989-1994: In the 1989 and 1994 aerial photographs, on- and off-site uses appear to have

further increased in development compared to those viewed in the 1977 aerial photograph. Overall, on-site uses are similar to those of present day.

Based on review of the above referenced historical aerial photographs, the subject site appears to have consisted of undeveloped land and the Dana Point Harbor. On-site land uses appear similar to those of present day. No evidence to support the existence of a recognized environmental condition on-site was visible during the review of available historical aerial photographs.

3.1.4 Other Historical Sources

Other historical sources include miscellaneous maps, newspaper archives, and records in the files and/or personal knowledge of the property owner and/or occupants. No other historical sources beyond those previously identified within this Assessment were utilized during the historical investigation.

3.2 REGULATORY SOURCES

The governmental sources have been searched by Environmental Data Resources, Inc. (at the request of RBF), for sites within the project site boundaries and within an approximate one-mile radius of the subject property boundaries. Upon completion of their search, EDR provided RBF with their findings dated July 11, 2005 (refer to Appendix A, EDR *Search*). RBF makes no claims as to the completeness or accuracy of the referenced sources. Our review of EDR's findings can only be as current as their listings and may not represent all known or potential hazardous waste or contaminated sites. To reduce the potential for omitting possible hazardous material sites on the subject property and within the surrounding area, sites may be listed in this report if there is any doubt as to the location because of discrepancies in map location, zip code, address, or other information. The following federal and state records searched are presented below preceded by a description of the purpose of each database:

3.2.1 Federal Sources Federal Records:

National Priorities List (NPL): 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 U.S. Department of Health and Human Services and the U.S. EPA in order to become an NPL site.

RCRA Corrective Action Report (CORRACTS): 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 predated RCRA.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS/NFRAP): The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS/NFRAP) database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated or are currently under investigation by the EPA for release or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the National Priorities List (NPL).

RCRA Permitted Treatment, Storage, Disposal Facilities (RCRA-TSD): 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.

RCRA Registered Small or Large Generators of Hazardous Waste (GNRTR): The RCRA Large and Small quantity Generators database is a compilation by the EPA of facilities, which report generation, storage, transportation, treatment of disposal of hazardous waste.

Toxic Release Inventory System (TRIS): All facilities that manufacture, process, or import toxic chemicals in quantities in excess of 25,000 pounds per year are required to register with the EPA under Section 313 of the Superfund Amendments and Reauthorization Act (SARA Title III) of 1986. Data contained in the TRIS system covers approximately 20,000 sites and 75,000 chemicals releases.

3.2.2 State Sources State of California Records:

State CERCLIS (SCL): This database is provided by the Department of Toxic Substances Control to evaluate and track activities at sites that may have been affected by the release of hazardous substances.

State Equivalent Priority List (SPL): This database is provided by the California Environmental Protection Agency, Department of Toxic Substances Control.

Leaking Underground Storage Tanks (LUST): This database is provided by the California Environmental Protection Agency.

Solid Waste Landfill List (SWLF): This database is provided by the California Solid Waste Information System (SWIS) and consists of both open as well as closed inactive solid waste disposal facilities and transfer station pursuant to the Solid Waste Management and Resource Recovery Act of 1972.

Registered Underground or Aboveground Storage Tank Database (UST/AST): This database is provided by the State Water Resources Control Board, Office of Underground Storage Tanks.

ERNS and State Lists (SPILLS): This database contains information from spill reports made to federal authorities including the EPA, the U.S. Coast Guard, the National Response Center and the Department of Transportation.

3.2.3 Standard Environmental Record Searches

3.2.3.1 Subject Site

Eighteen (18) listed regulatory sites are located within the boundaries of the subject site which are listed in one or more of the above identified databases. The on-site regulated properties are listed below; for a complete list of sites identified and their status, refer to the map of sites within a one-mile radius of the subject site contained within Appendix A, *EDR Search*. Table 2, lists on-site listed properties and properties within a ½-mile of the subject site.

- Dana West Marina, 24500 Dana Point Drive
- 24650 Dana Point Harbor Drive
- Dana Point Harbor, 34551 Puerto Place
- 34555 Casitas Place
- 34553 Casitas Place
- Embarcadero Marina, 34512 Embarcadero Marina
- 24200 Dana Point Harbor Drive
- Skippers Galley, Inc., 34667 Skippers Galley Inc.
- Jolly Roger-Dana Point #116, 34661 Puerto Place
- Dana Point Shipyard, 34671 Puerto Place
- Dana Point Fuel Dock, 34661 Puerto Place
- West Holding Basin, 24300 Dana Point Harbor
- Michael's Supper Club, 24399 Dana Drive
- Dana West Marina, 24501 Dana Drive
- Dana Point Marina Company, 24705 Dana Drive

- Pacific Asian Enterprises, Inc., 24703 Dana Drive
- Dana Point Marina, 24701 Dana Drive
- Dana Point Marina Harbor Patrol, 25005 Dana Drive

3.2.3.2 All Regulatory Listed Sites Within a ½-Mile Radius of the Subject Site

Surrounding properties listed in the EDR Database Report that are located within a ½-mile radius were reviewed to determine whether groundwater contamination or other unauthorized releases that could potentially affect surface or subsurface conditions of the subject site have occurred. For unauthorized releases (typically related to leaking USTs that have impacted groundwater) a ¼-mile site radius is used. Typically, contamination plumes within groundwater are relatively localized to the source. Topographic conditions generally dictate the movement of groundwater thus the surface gradient is used to determine whether contamination plumes could be moving towards the subject site. The likelihood of groundwater contamination traveling a quarter of a mile or more from a source is extremely limited, therefore, this distance is used as a benchmark for determining the potential for off-site contamination.

Twenty four (24) listed regulatory sites are located within a ½-mile radius of the subject site which are listed in one or more of the above identified databases. For a complete list of sites identified and their status, refer to Table 2, *Identified Regulatory Sites Within a ½-Mile of the Subject Site*, below. Additionally, refer to Appendix A, *EDR Search*.

3.2.4 Additional Environmental Record Searches

No additional environmental records searches were performed during the preparation of this Assessment.

Table 2
IDENTIFIED SITES WITHIN A ½-MILE RADIUS OF THE SUBJECT SITE

EDR Map ID#	Site Name/Address	Direction from Subject Site	Regulatory List	Site Status	Potential for an Environmental Condition on the Subject Site
1	Turk Street Garage 175 Turk Street	0.25 mile northwest of the subject site.	UST	This site was mis-mapped. It is located in San Francisco, CA.	Low (Not located within one-mile of the subject site)
1	.B. Latham Wastewater Treatment 34152 Del Obispo Street	0.25 mile northwest of the subject site.	HIST UST LUST Cortese EMI CA FID UST CA WDS	One (1) reported underground storage tank (UST) containing waste oil. Leaking underground storage tank (LUST) released waste oil/used oil. Drinking water aquifer/other ground water affected. Case closed May 11, 1990. Listed in Cortese database. Active UST location. Active municipal/domestic facility with a continuous or seasonal discharge that is subject to Waste Discharge Requirements.	Low (Refer to site status)

1	Orange County CAPO Yard/EMA/San Juan Capistrano Main Yard 34102 Del Obispo Street	0.25 mile northwest of the subject site.	UST RCRA-SQG FINDS LUST HAZNET Cortese	One (1) reported UST location. Small quantity generator, no violations found. Listed in FINDS database. LUST (case # 87UT229) (record ID # RO0001679) released diesel fuel oil and additives, Nos. 1-D, 2-D, 2-4 to soil only. Case closed October 19, 1999. LUST (case number 9UT1506) released diesel, affected soil only. Case closed October 19, 1999. Off-specification, aged, or surplus organics, unspecified oil-containing waste, hydrocarbon solvents (benzene, hexane, Stoddard, etc.) other empty containers 30 gallons or more, and waste oil and mixed oil. **Disposal Method: Transfer Station**. Listed in Cortese database	Low (Refer to site status)
2	Cannan-Bart, Inc. 25742 Victoria Blvd.	0.35 mile northeast of the subject site.	LUST Cortese	LUST (case # 9UT694) released gasoline, drinking water aquifer affected/other ground water affected. Case closed May 9, 2005.	Low (Refer to site status)
3	ARCO #0447 34342 Pacific Coast Highway	0.50 mile east of the subject site.	HAZNET LUST Cortese	LUST (case #9UT3191) released gasoline, other ground water affected. Remedial action (cleanup) underway. Tank bottom waste. **Disposal Method: Recycler**. Listed in Cortese database.	Low (located at or greater than ½-mile from the subject site)
4	Victoria Field Office 25842 Victoria Blvd.	0.50 mile northeast of the subject site.	SLIC	MTBE, PET released.	Low (Located at or greater than ½-mile from the subject site)
4	John Groty/Serra Lumber 25802 Victoria Blvd.	0.50 mile northeast of the subject site.	LUST UST Cortese	LUST (case #90UT155) released diesel fuel oil and additives, Nos. 1-D, 2-D, 2-4, affected soil only. Case closed October 23, 1990. LUST (case #90UT050) released gasoline-automotive (motor gasoline and additives), leaded & unleaded, affected soil only. Case closed February 28, 1991. One (1) reported UST. Listed in Cortese database.	Low (Refer to site status)
5, 16	Thrifty Oil Stn. #390 34306 Pacific Coast Highway	0.25 mile north of the subject site.	HIST UST HAZNET Cortese LUST UST CA FID UST	Four (4) historical USTs reported to contain product and waste oil. Aqueous solution with 10% or more total organic residues. **Disposal Method: Treatment, Tank**. Listed in Cortese database. LUST (case #9UT828) released substance 12035, other ground water affected. Case closed January 4, 1996. Reported active UST location. LUST (case	Low (Located ¼-mile from the subject site)

				#9UT3828) released gasoline, other ground water affected. No action reported. LUST (case #9UT3828) released substance 8006619, affected soil only. Preliminary site assessment workplan submitted. Active UST location.	
6	Dana Niguel Veterinary Hosp. 34249 Pacific Coast Highway	0.23 mile north of the subject site.	RCRA-SQG FINDS	Small quantity generator, no violations found. Listed in FINDS database.	Low (No contamination reported)
6	Elegant Dry Cleaners/1X Focus City 34255 Pacific Coast Highway	0.23 mile north of the subject site.	RCRA-SQG FINDS CLEANERS HAZNET	Small quantity generator, no violations found. Listed in FINDS database. CLEANERS inactive since January 1, 1995. Photochemicals/photoprocessing waste. **Disposal Method: Recycler.**	Low (No contamination reported)
7	Pacific Cleaners 34098 Pacific Coast Highway	0.15 mile north of the subject site.	RCRA-SQG FINDS HAZNET CLEANERS	Small quantity generator, no violations found. Listed in FINDS database. CLEANERS inactive June 30, 2004. Liquids with halogenated organic compounds > 1000 mg/l, Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.), and solids or sludges with halogenated organic compounds > 1000 mg/kg. **Disposal Method: Transfer Station and Recycler.**	Low (No contamination reported)
7	Performance HAUS 34112 Pacific Coast Highway	0.15 mile north of the subject site.	LUST Cortese UST	LUST (Case # 9UT1681) released gasoline, affected soil only. Case closed November 14, 1990. Listed in Cortese database. One (1) reported UST.	Low (Refer to site status)
7	Royal Cleaners 34119 S. Pacific Coast Highway	0.15 mile north of the subject site.	RCRA-SQG FINDS CLEANERS HAZNET	Small quantity generator, no violations found. Listed in FINDS database. CLEANERS inactive June 30, 1998. Solids or sludges with halogenated organic compounds > 1000 mg/kg, halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.), and unspecified organic liquid mixture. **Disposal Method: Recycler.**	Low (No contamination reported)
7	Ruben's Imports/George's Imports 34134 Pacific Coast Highway	0.15 mile north of the subject site.	UST RCRA-SQG FINDS HAZNET LUST Cortese HIS UST CA FID UST	One UST on property. Small quantity generator, no violations found. Listed in FINDS database. Tank bottom waste, aqueous solution with less than 10% total organic residues. **Disposal Method: Treatment, Tank, and Transfer Station.** LUST (case #9UT3781) released diesel, affected soil only. Case closed December 17, 1999. Listed in Cortese database. Three (3) HIST USTs containing waste and product.	Low (Refer to site status)

7	Dana Point Chevron #9-7460 34164 Pacific Coast Highway	0.15 mile north of the subject site.	UST HAZNET Cortese LUST	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.), empty containers less than 30 gallons, and aqueous solution with less than 10% total organic residues. **Disposal Method: Recycler and Transfer Station**. Listed in Cortese database. LUST (case #9UT259) released substance 8006619, other ground water affected. Remedial action (cleanup) underway. File discarded. Case reported as closed.	Low (Refer to site status)
8	Dana Point Shell (1998-0105) 34137 Pacific Coast Highway	0.13 mile north of the subject site.	UST CA FID UST LUST Cortese RCRA-LQG HIST UST	Reported active UST location. LUST released gasoline. Case closed March 4, 2005. Listed in Cortese database. Reported large quantity generator, no violations found. LUST (case #9UT487) released waste oil. Case closed December 23, 1986. Four (4) reported HIST USTs used to store waste and product.	Low (Refer to site status)
9	World One Hour Photo 24833 Del Prado St	0.25 mile north of the subject site.	RCRA-SQG FINDS HAZNET	Small quantity generator, no violations found. Listed in FINDS database. Photochemicals/photoprocessing waste. **Disposal Method: Recycler**.	Low (No contamination reported)
9	Lantern Bay Cleaners 24839 Del Prado	0.25 mile north of the subject site.	RCRA-SQG FINDS HAZNET Orange Co. Industrial Site CLEANERS EMI	Small quantity generator, no violations found. Listed in FINDS database. Listed in Cleaners database. Inactive date June 30, 2003. Liquids with halogenated organic compounds > 1000 mg/l and halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.). **Disposal Method: Transfer Station and Recycler**. Industrial site, released perchloroethylene. Current status closed as of 1/6/1998. Emissions to South Coast Air Quality Management District.	Low (Refer to site status)
10	Northern Trust Co. 34091 Pacific Coast Highway	0.12 mile north of the subject site.	LUST UST Cortese	LUST (Case # 9UT1352) released gasoline-automotive (motor gasoline and additives), leaded and unleaded, affected soil only. Case closed October 19, 1989. One (1) reported UST. Listed in Cortese database.	Low (Refer to site status)
11	Southern California Gas Company 34271 Del Obispo Street	0.06 mile northeast of the subject site.	UST RCRA-SQG FINDS LUST Cortese HIST UST	One (1) reported UST. Small quantity generator, no violations found. Listed in FINDS database. LUST (case #9UT1356) released waste oil, drinking water aquifer affected. Case closed May 22, 1989. Listed in Cortese database. Three (3) reported HIST USTs	Low (Refer to site status)

				containing product and waste.	
12	Martinizing Cleaners 24502 Del Prado Unit B	0.12 mile north of the subject site.	RCRA-SQG FINDS HAZNET CLEANERS	Small quantity generator, no violations found. Listed in FINDS database. Listed in CLEANERS database. Liquids with halogenated organic compounds > 1000 mg/l. **Disposal Method: Transfer Station.**	Low (No contamination reported)
13	Former EXXON Station 7-4816 34295 Doheny Park Rd.	0.50 mile east of the subject site.	LUST Cortese	LUST (case #9UT3830) released gasoline, other ground water affected. No action reported, preliminary site assessment workplan submitted. Listed in Cortese database.	Low (Located at or greater than ½-mile from the subject site
14	Capistrano Realty 34656 Pacific Coast Highway	0.43 mile east of the subject site.	LUST Cortese UST	LUST (case #9UT1224) released chemical 80066191203, other ground water affected. No action reported. Listed in Cortese database. One (1) reported UST.	Low (Located greater than ¼-mile from the subject site)
15	DPR Doheny State Beach 25300 Dana Pt. Harbor Dr.	0.01 miles southeast of the subject site	HAZNET UST CA FID UST HIST UST	Unspecified oil-containing waste. **Disposal Method: Recycler.** Active UST location. One (1) reported HIST UST containing product.	Low (No contamination reported)
17	Dana West Marina 24500 Dana Point Harbor Dr.	**SUBJECT SITE**	HAZNET CA FID UST UST ERNS	Other organic solids and unspecified oil-containing waste. **Disposal Method: Recycler and Transfer Station.** Active UST location. Boat sank due to unknown causes releasing oil and gas into the water. Unknown oil was leaked from a vessel into the water (7/21/1990). A 30 ft by 30 ft sheen was found. No action has been taken.	Low (Due to location of the releases, on the surface of water, these releases are considered de minimus. Construction activities are not likely to be impacted by these releases)
18	24650 Dana Point Harbor Drive	**SUBJECT SITE**	ERNS	Vessel contained fuel in the bilge and released material into water when float switch was activated. Sheen was reported to be barely discernable. Remedial action reported was the oil in the harbor would dissipate naturally.	Low (Due to location of the release, on the surface of water, this release is considered de minimus. Construction activities are not likely to be impacted by this release)
19	County Maintenance Yard 34551 Puerto Pl.	**SUBJECT SITE**	CA FID UST HAZNET HIST UST UST	One UST on property. Aqueous solution with less than 10% total organic residues. **Disposal Method: Treatment, Tank.** Three (3) reported HIST USTs containing product, unleaded fuel, diesel fuel, and premium fuel.	Low (No contamination reported)
20	34555 Casitas Pl.	**SUBJECT SITE**	ERNS	Material was released out of a sailing vessel due to unknown	Low (Due to location

				sinking. A rainbow colored sheen was reported with a diesel odor. Described remedial action reported area boomed with two 50 foot sections, message was left on owner's answering machine by the harbor police.	of the release, on the surface of water, these releases are considered de minimus due. Construction activities are not likely to be impacted by these releases)
20	34553 Casitas	**SUBJECT SITE**	LUST Cortese	LUST (case #9UT3195) released waste oil, affected soil only. Case closed August 1, 1995. Listed in Cortese database.	Low (Refer to site status)
21	Embarcadero Marina 34512 Embarcadero Pl.	**SUBJECT SITE**	LUST Cortese UST HIST UST	LUST (case #9UT3406) released gasoline-automotive (motor gasoline and additives), leaded and unleaded, other ground water affected. Case closed September 8, 2000. Listed in Cortese database. One (1) reported UST. Two (2) reported HIST USTs containing regular and unleaded fuel.	Low (Refer to site status)
22	24200 Dana Point Harbor Dr.	**SUBJECT SITE**	ERNS	A sheen was reported on water within the subject site. Trans. mode reported to be underground storage tank. Source unknown.	Low (Due to location of the release, on the surface of water, these releases are considered de minimus due. Construction activities are not likely to be impacted by these releases)
23	Skippers Galley Inc. 34667 Golden Lantern	**SUBJECT SITE**	EMI	Listed in EMISSIONS database.	Low (No contamination reported)
23	Jolly Roger-Dana Point #116 34661 Golden Lantern	**SUBJECT SITE**	EMI	Listed in EMISSIONS database.	Low (No contamination reported)
24	Dana Point Shipyard 34671 Puerto Pl.	**SUBJECT SITE**	EMI CA WDS FINDS	Reported active industrial facility. Waste type is reported to be washwater waste and process waste. Listed in EMISSIONS database. Listed in FINDS database.	Low (No contamination reported)
24	Dana Point Fuel Dock 34661 Puerto Pl.	**SUBJECT SITE**	CA FID UST CHMIRS HIST UST LUST Cortese HAZNET RCRA-SQG ERNS UST	Active UST location. An unknown sheen reported within Dana Point Harbor (9/2/2002). Six (6) reported HIST USTs containing regular, premium, and diesel fuel. Listed in Cortese database. CHMIRS database reported release of gasoline through a sunken vessel, spill is boomed and contained. Sheen behind the fuel dock which appears to be in	Low (Due to location of the releases, on the surface of water, these releases are considered de minimus due. Construction activities are not likely to be impacted by

				the same place as a previous spill which occurred approx. 2 years ago from an underground tank. RP has checked inventory levels and sumps and it appears that there has been no leak. A vessel leaked at the fuel dock per a vent. The fuel dock deployed absorbents to the water, the remaining material is reported to dissipate naturally. Other organic solids and off-specification, aged, or surplus organics. **Disposal Method: Disposal, Land Fill and Recycler**. Sheen was reported coming from fuel dock in harbor; contractor on scene for cleanup, possible leaching from soil into bay area. Covers 1/3 of a 1/4 – 1/2 mi. harbor (occurred 8/30/1997). Small quantity generator, no violations found. LUST (Case #9UT3041) released diesel fuel to surface water. Case closed December 18, 2002. Reported unknown sheen on September 2, 2002; booms applied, absorbents applied, material contained, cleanup completed. September 29, 2000 a boater overfilled fuel tank; absorbents were applied.	these releases)
25	West Holding Basin 24300 Dana Point Harbor	**SUBJECT SITE**	ERNS	Twenty (20) gallons of diesel material was released. Cleanup was conducted by Harbor Patrol.	Low (Refer to site status)
26	Michael's Supper Club, Grace R 24399 Dana Drive	**SUBJECT SITE**	EMI	Listed in EMISSIONS database, within South Coast AQMD. No further information reported.	Low (No contamination reported)
27	Dana West Marina 24501 Dana Drive	**SUBJECT SITE**	LUST Cortese	Case Number 9UT3198: Waste oil release to soil only. Case closed October 28, 1996. Case Number 96UT011: Waste oil/used oil released to soil only.	**Moderate** (Contamination to soil)
28	Dana Point Marina Company 24705 Dana Drive	**SUBJECT SITE**	HAZNET LUST Cortese CA FID UST	Case Number 9UT3196: Waste oil released to soil only. Case closed August 1, 1995. Case Number 93UT081: Waste oil/used oil released to soil only. Other organic solids, aqueous solution, unspecified oil containing waste, oxygenated solvents. **Disposal Method: Recycler.** Active underground storage tank location.	**Moderate** (Contamination to soil)
28	Pacific Asian Enterprises, Inc. 24703 Dana Drive	**SUBJECT SITE**	CLEANERS	Laundry and garment services. No further information reported.	Low (No contamination reported)
28	Dana Point Marina 24701 Dana Drive	**SUBJECT SITE**	UST	One underground storage tank.	Low (No contamination reported)

29	Dana Point Marina Harbor Patrol 25005 Dana Drive	**SUBJECT SITE**	CA FID UST HAZNET CHMIRS	Active underground storage tank location. Aqueous solution. **Disposal Method: Treatment, Tank, Not Reported.** Case Number 90UT199: Diesel fuel oil and additives, Nos. 1-D, 2-D, 2-4 released to soil only. Case Number 9UT3231: Gasoline released, other groundwater affected. Case closed May 3, 2000. Case Number 9UT1698: Substance 12034 release to soil only. Case closed. Substance 8006619 released, other groundwater affected. Case closed. Diesel fuel released. A bildge pump pumped diesel overboard. Spill was contained and clean-up was conducted by boat owner.	Low (Due to location of the releases, on the surface of water, these releases are considered de minimus due. Construction activities are not likely to be impacted by these releases)
29	Avis Rent-A-Car 1 Neil Armstrong Way Oakland, CA	N/A	UST	This site was mismapped. The address is located in Oakland, CA.	N/A

Note: Map ID numbers match the site numbers indicated on the map of sites within one-mile radius contained within Appendix A, *EDR Search*.

POTENTIAL FOR ENVIRONMENTAL CONDITION KEY:

Low Potential'Potential to create environmental conditions on subject site is considered to be low for one or several factors including, but not limited to, the following:

direction of groundwater flow is away from the subject site (down gradient); remedial action is underway or completed at off-site location; distance from subject site is considered great enough to not allow the creation of a potential environmental condition; only soil was affected by the occurrence; and/or reporting agency has determined no further action is necessary.

Moderate Potential'Potential to create environmental condition on subject site is considered to be moderate and further investigation may be necessary due to one or several factors including, but not limited to, the following:

occurrence reported but remedial status unknown; unable to confirm remedial action completed; proximity to subject site; groundwater flow is towards the subject site (up gradient).

High Potential' Potential to create environmental condition on subject site is considered to be high and further investigation necessary due to one or several factors including the following:

occurrence noted on-site and status if remedial action unknown; occurrence affected groundwater and is located up gradient from subject site.

4.0

POTENTIAL AREAS OF ENVIRONMENTAL CONCERN

The following section documents the results of the visual site inspection conducted by RBF on July 20, 2005 and identifies potential areas in which an environmental condition could arise. Refer to both on and off-site photographs taken on July 20, 2005 presented at the end of Section 4.0, as a visual reference. For information regarding results of the historical and governmental records searches, refer to Section 3.0, HISTORICAL AND REGULATORY INFORMATION SEARCHES.

4.1 ON-SITE OBSERVATIONS

4.1.1 Methodology and Limiting Conditions

RBF conducted a site inspection on July 20, 2005. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions, including hazardous substances and petroleum products in connection with the properties on-site (including soils, surface water, and groundwater). During the site inspection, RBF performed a visual observation of readily accessible areas of the subject site and immediately adjoining properties.

It should be noted that interior access to on-site structures was not available at the time of this Assessment. Evidence of environmental conditions were noted within the boundaries of the subject site during the July 20, 2005 site inspection and are discussed in detail herein.

4.1.2 Description of On-Site Structures and/or Uses

Multiple structures are located within the boundaries of the subject site. The majority of the on-site structures are utilized as commercial and storage/maintenance uses utilized by boaters. The on-site structures appeared to be situated on concrete foundations, of wood frame construction with either stucco or brick siding. Many of the structures and associated lots are separated by either wood or chain-link fencing (primarily within the eastern portions of the harbor). Generally, the on-site structures appeared to be in fair to good condition.

4.1.3 Asbestos Containing Material

Asbestos is a strong, incombustible, and corrosion resistant material which was used in many commercial products since prior to the 1940's and up until the early 1970's. If inhaled, asbestos fibers can result in serious health problems. Asbestos Containing Materials (ACMs) are building materials containing more than one percent (1%) asbestos (some state and regional regulators impose a one tenth of one percent (0.1%) threshold). Based upon the year the majority of the existing structures present on the subject site were built (prior to 1978), the potential for asbestos containing materials (ACMs) to be found on-site is considered likely.

4.1.4 Lead-Based Paints

Until 1978, when the U.S. Consumer Product Safety Commission (CPSC) phased out the sale and distribution of residential paint containing lead, many homes were treated with paint containing some amount of lead. It is estimated that over 80 percent of all housing built prior to 1978 contains some lead-based paint (LBP). The mere presence of lead in paint may not constitute a material to be considered hazardous. In fact, if in good condition (no flaking or pealing), most intact LBP is not considered to be a hazardous material. In poor condition LBPs can create a potential health hazard for building occupants, especially children. Based upon the year the majority of the existing structures present on the subject site were built (prior to 1978), the potential for lead-based paints (LBPs) to be found on-site is considered likely.

4.1.5 Chemical Storage Tanks

During the July 20, 2005 site inspection the subject site was inspected for fill pipes, vent pipes, areas of abnormal or heavy staining, manways, manholes, access covers, concrete pads not homogenous with surrounding surfaces, concrete build-up areas potentially indicating pump islands, abandoned pumping equipment, or fuel pumps.

Visible evidence of underground storage tanks (USTs) was observed within the northeastern portion of the subject site, primarily indicated by manholes and fuel pumps at the terminus of Puerto Place. More specifically, existing fuel pumps were located on the adjoining dock, which are utilized by a variety of boaters. Approximately 100 feet to the north of the dock were several 55-gallon drums. The drums were situated on wood pallets and appeared to be properly maintained. The drums appeared to contain waste-oil; however, no evidence of odor, staining, or leaking was noted.

Additionally, evidence of USTs was noted near the Harbor Patrol Office, located within the central portion of the subject site. No evidence of leaking was noted with respect to the Harbor Patrol USTs.

4.1.6 Chemical Storage Areas

Chemical storage areas were noted near the Harbor Patrol Office and the Anchor Marine Center (west of Puerto Place). These areas primarily contained common chemical wastes, oil, grease, solvents, and gasoline, which appeared to be associated with boat maintenance and repair. As mentioned above, several 55-gallon drums were noted at the terminus of Puerto Place.

4.1.6 Spills

No spills were noted during the July 20, 2005 site inspection. However as previously mentioned, access was restricted interior on-site structures/maintenance areas. Due to the industrial nature of the on-site boat yard, stained concrete is considered to be likely within the northeastern portion of the subject site. Although considered a REC, staining throughout the subject site was noted to be on concrete and asphalt; therefore, the significance of the staining is reduced.

4.1.8 Solid Waste Disposal

No indication of on-site solid waste disposal practices (i.e. land-filling) was apparent during the July 20, 2005 site inspection. Dumpsters and trash recepticals were noted within various portions of the subject site; however, these are typical of commercial uses and not considered to pose an environmental condition.

4.1.9 Polychlorinated Biphenyls (PCBs)

No evidence of PCB's were observed during the July 20, 2005 site inspection. However, it should be noted that industrial uses (i.e., boat maintenance) are located within the majority of the subject site. Properties associated with boat maintenance and repair may have hydraulic lifts on-site. Due to health impacts, the Environmental Protection Agency (EPA) banned some uses of PCBs in 1977 and most production/use in 1979. However, many transformer's and other materials (such as hydraulic lifts and associated fluids) still contain PCBs. The primary concern with hydraulic lifts is the potential for subsurface leakages of hydraulic fluids from the lift's piston.

Additionally, pole-mounted transformers were noted throughout the subject site; no visible signs of staining or leakage was observed during the July 20, 2005 site inspection.

4.1.10 Utilities

Typical roadside utilities (streetlights, transformers, overhead power lines) were noted throughout the subject site during the July 20, 2005 site inspection. As previously mentioned, no visible signs of staining or leakage was observed with respect to on-site utilities.

4.1.11 Wells

No water wells were noted within the boundaries of the subject site during the July 20, 2005 inspection. Evidence of any monitoring, oil, injection, or dry wells was not observed on-site.

4.1.12 Pits, Ponds, Lagoons

No evidence of pits, ponds, or lagoons were observed during the July 20, 2005 site inspection. However, it should be noted that an oil sheen was noted on various portions of the open water within the harbor (primarily near the docks) during the site inspection.

4.1.13 Septic Systems

No evidence of septic tanks or cesspools were observed on-site during the July 20, 2005 site inspection.

4.2 OFF-SITE OBSERVATIONS

As previously stated in Section 2.0, *Physical Setting*, an adjoining property is considered any real property or properties that the border of which is contiguous or partially contiguous with that of the subject site, or that would be contiguous or partially contiguous with that of the subject site but for a street, road, or other public thoroughfare separating them. An adjacent property is any real property located within 0.25 miles of the subject site's border. Visual observations of the publicly accessible portions of adjoining properties were conducted on July 20, 2005 as part of this Assessment and are described below.

4.2.1 Utilities

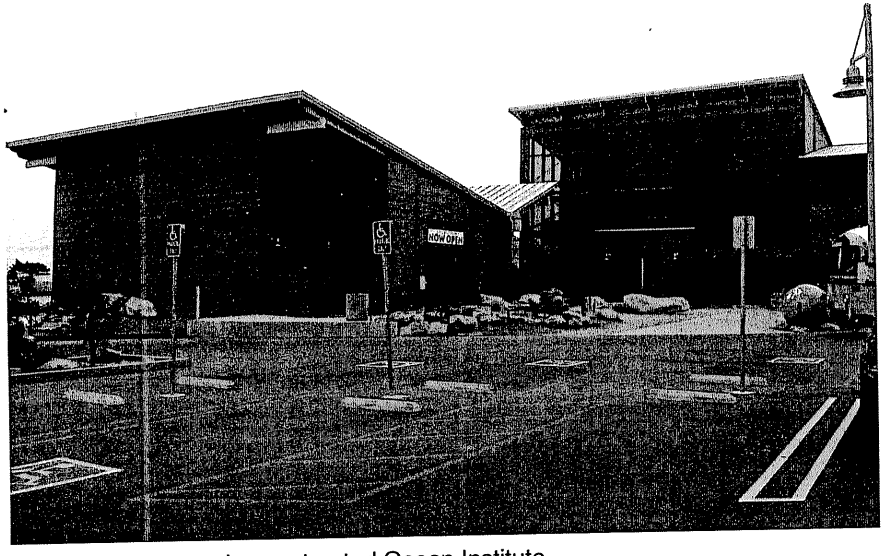
Typical utilities were observed immediately adjacent to the subject site during the July 20, 2005 site inspection. No recognized environmental condition associated with the utilities were noted.

4.2.2 Tanks

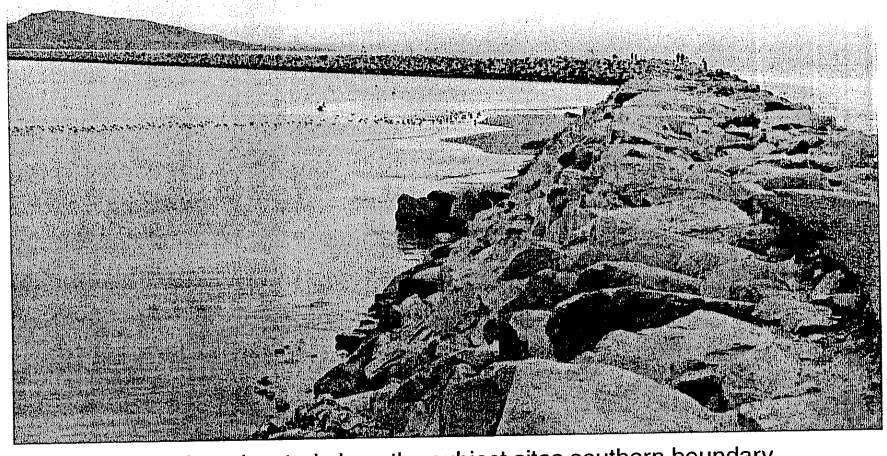
No visible or physical evidence to indicate the presence of aboveground fuel tanks were observed during the July 20, 2005 site inspection of immediately adjacent properties.

4.2.3 Hazardous Materials

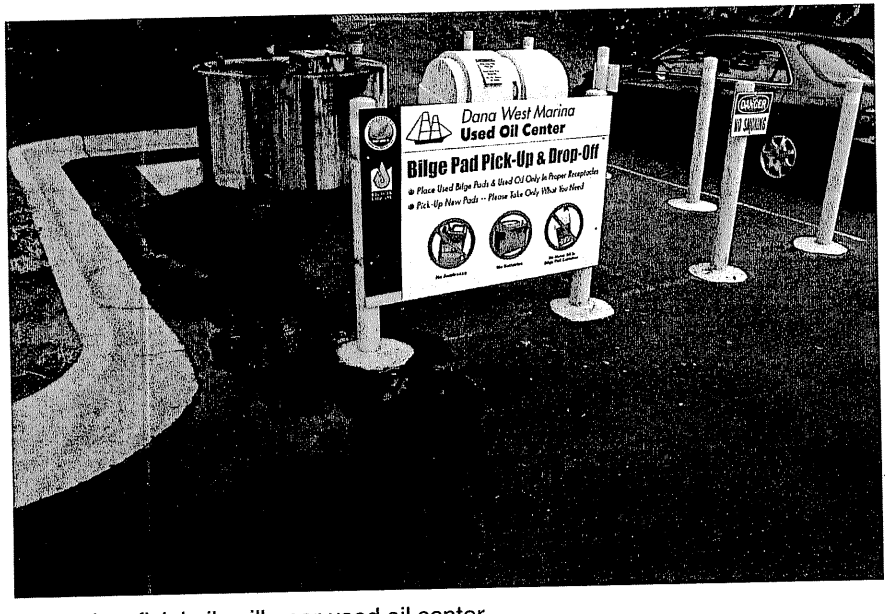
During a preliminary observation of accessible adjoining properties on July 20, 2005, no visible or physical evidence was observed to suggest that a surface release of petroleum based material has recently occurred. No unusual or suspicious materials handling or storage practices were observed with respect to adjacent properties. However, it should be noted that mixed uses are located adjacent to the subject site's northern boundary. It is anticipated that hazardous materials are used and stored within off-site properties, since many are utilized as gas stations, auto repair, and light-industrial uses. Additionally, as documented in Section 3.0, several off-site properties have been listed within EDR database for activities associated with hazardous materials (i.e., transferring, storing, subsurface releases, remediation, etc.)



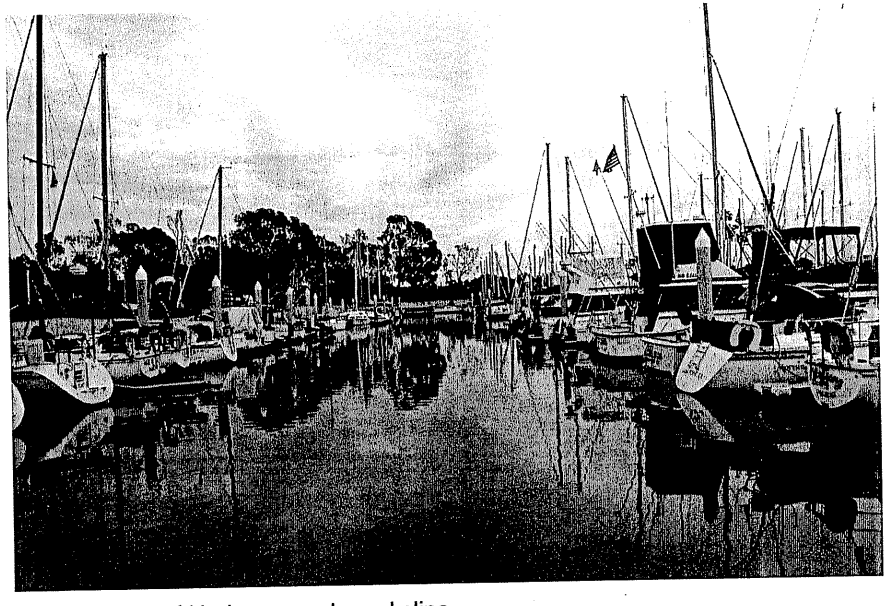
View looking at newly-constructed Ocean Institute.



View of existing jetty, located along the subject sites southern boundary.



View of surficial oil spill near used oil center.



Typical views of Harbor vessels and slips.

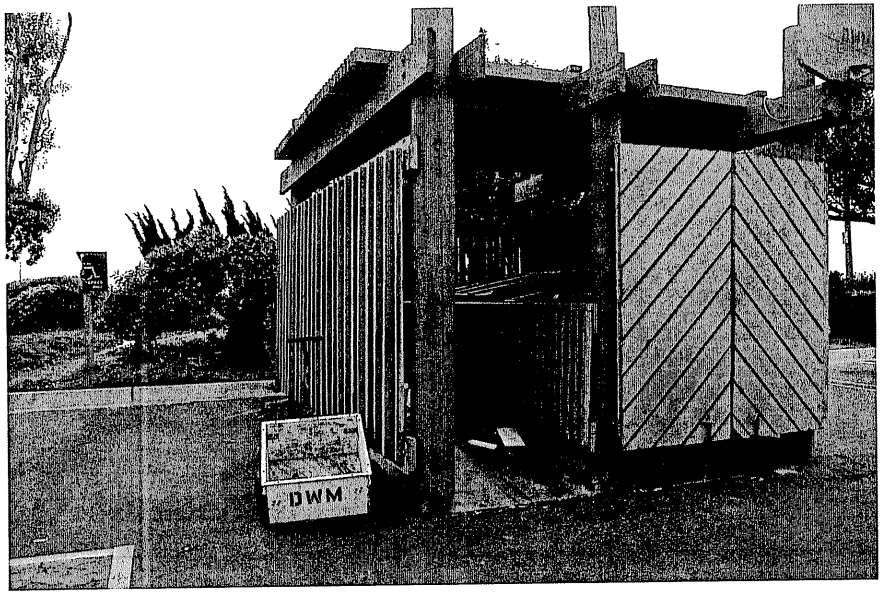
DANA POINT HARBOR REVITALIZATION PROJECT

On-Site Photographs

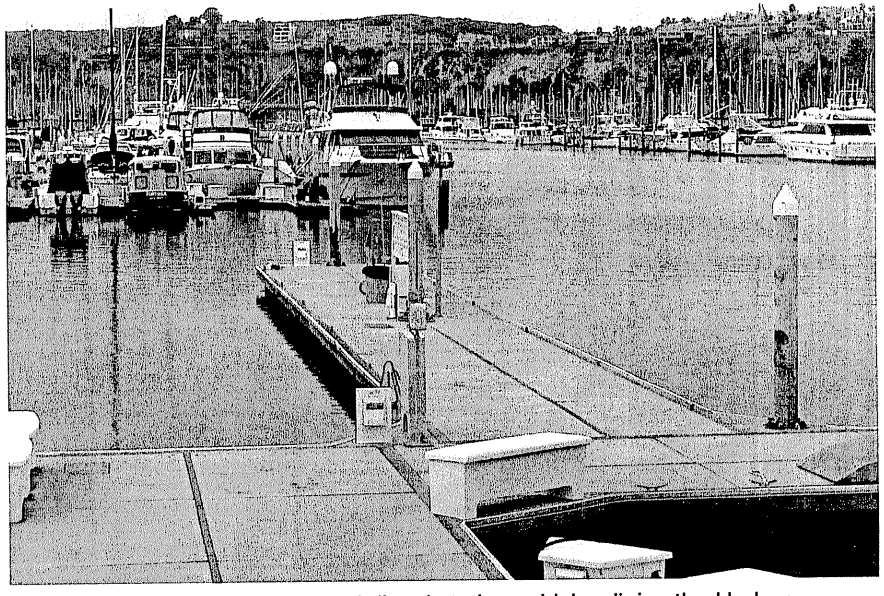
Exhibit 7A

RBF CONSULTING

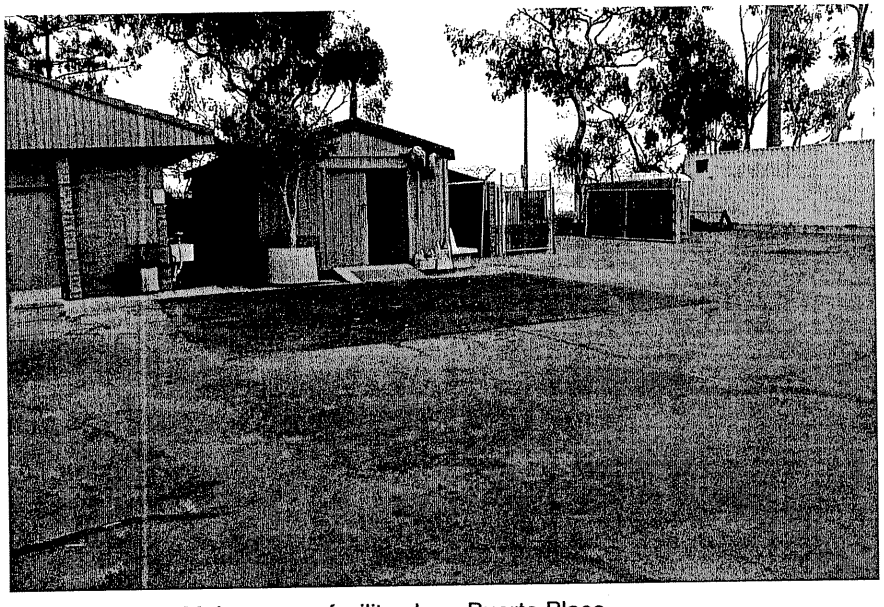
1/20/04 JN 10-102529-10845



Typical view of on-site disposal area.



View looking at existing dock and diesel station, which adjoins the Harbor Patrol office.



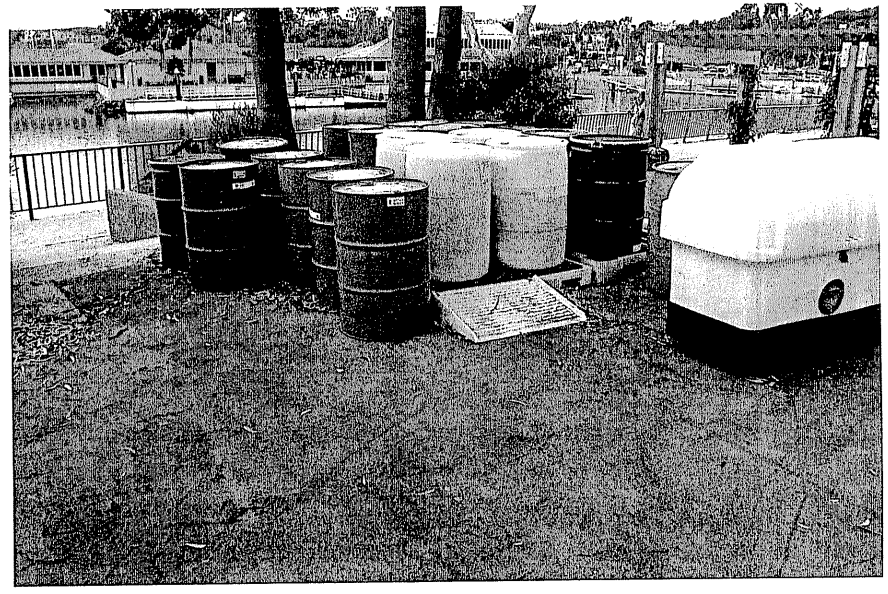
View of County Maintenance facility along Puerto Place.



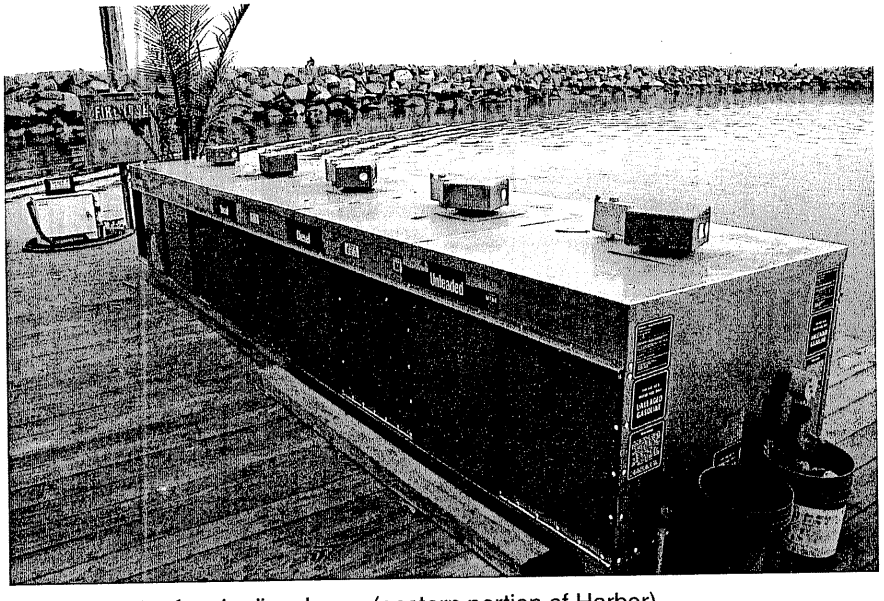
View of underground storage tanks at the terminus of Puerto Place.



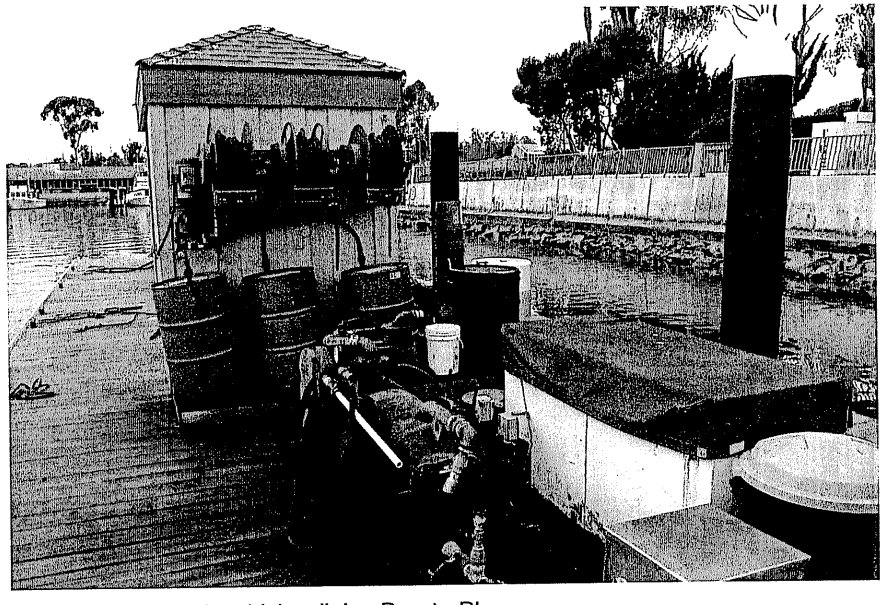
View looking at above ground storage tank located near the boat maintenance shops (western portion of subject site).



View of 55-gallon drums near Puerto Place.



Typical views of main diesel area (eastern portion of Harbor).



View of diesel dock, which adjoins Puerto Place.

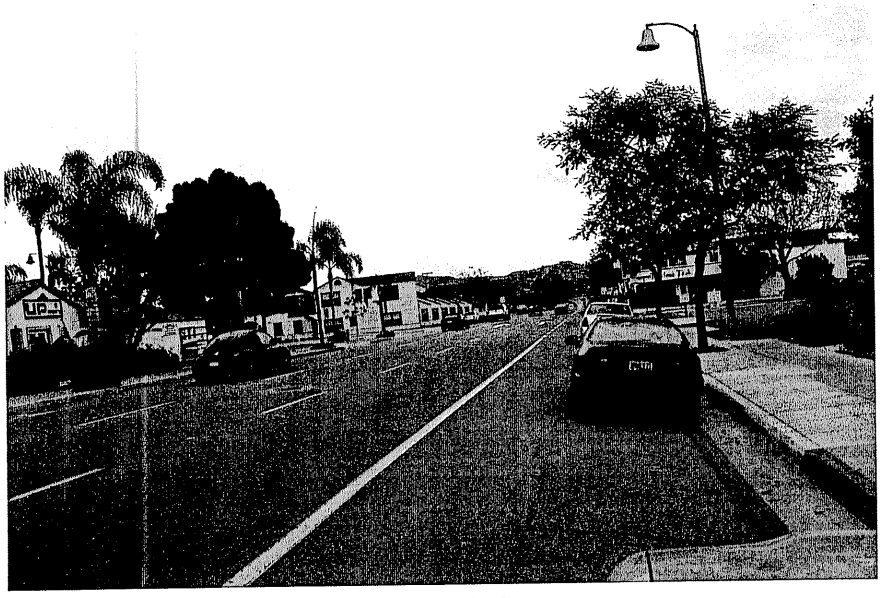
RBF CONSULTING

1/20/04 JN 10-102529-10845

DANA POINT HARBOR REVITALIZATION PROJECT

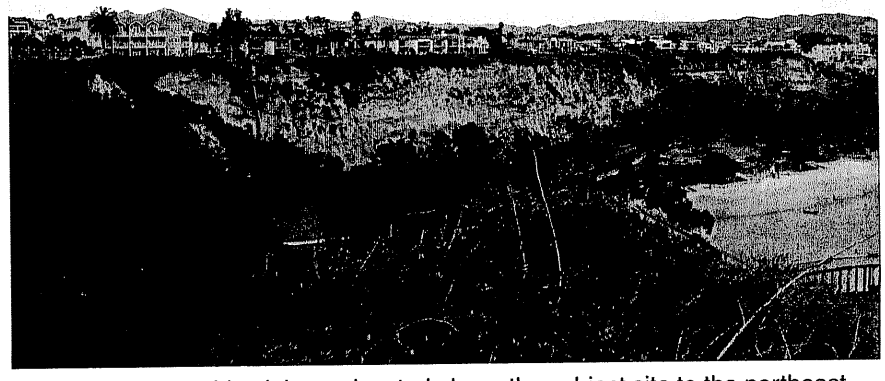
On-Site Photographs

Exhibit 7C

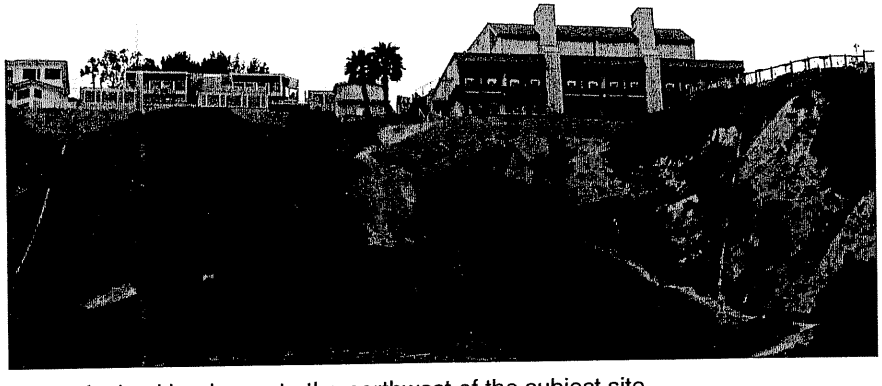


View looking at off-site uses along Del Prado Avenue.

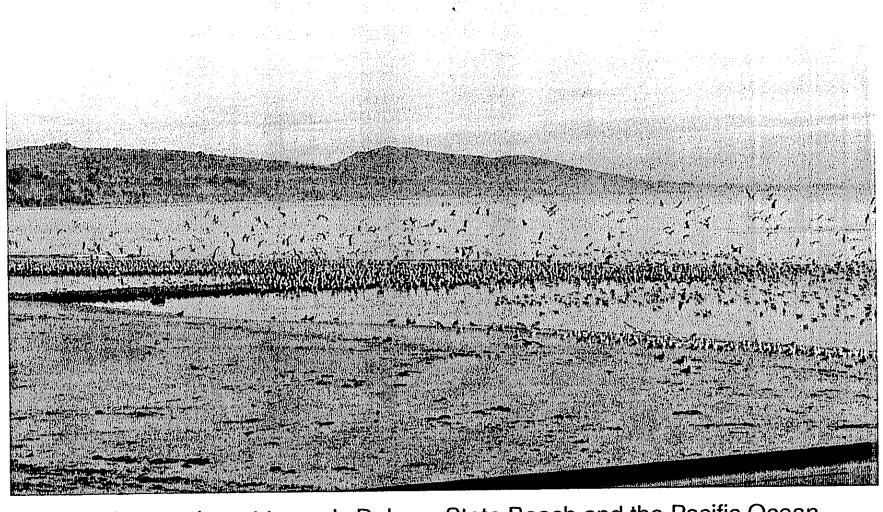




View looking at residential uses located above the subject site to the northeast.



View of mixed land uses to the northwest of the subject site.



View looking southwest towards Doheny State Beach and the Pacific Ocean.

DANA POINT HARBOR REVITALIZATION PROJECT

Off-Site Photographs

RBF CONSULTING

1/20/04 JN 10-102529-10845

Exhibit 8

5.0

FINDINGS, OPINIONS, AND RECOMMENDATIONS

RBF has performed a Preliminary Hazardous Materials Assessment in conformance with the Scope-of-Services for the Dana Point Harbor Revitalization Project, located within the City of Dana Point, County of Orange; also known as the subject site within this Assessment. Any exceptions to, or deletions from, this practice are described in Section 1.0, INTRODUCTION, of this report. This Assessment has revealed the following in connection with the subject site.

5.1 FINDINGS

5.1.1 Site Conditions

The July 20, 2005 site inspection primarily focused on the exterior portion of the subject site, as access to the on-site properties was restricted during the Assessment. Several potential recognized environmental conditions (RECs) were noted within the boundaries of the subject site during the July 20, 2005 site inspection, which are described below:

- Visible evidence of underground storage tanks (UST's)/fuel docks was observed within the northeastern portion of the subject site, primarily indicated by manholes and fuel pumps at the terminus of Puerto Place.

- Several 55-gallon drums were noted within the northeastern portion of the subject site, adjacent to the fuel docks and boat maintenance areas. The drums were situated on wood pallets and appeared to be properly maintained. It appeared that the drums contained waste-oil; however, no evidence of odor or staining was noted.

- Chemical storage areas were noted near the Harbor Patrol Office and the Anchor Marine Center (west of Puerto Place). These areas primarily contained common chemical wastes, oil, grease, solvents, and gasoline, which appeared to be associated with boat maintenance and repair.

- Maintenance areas were noted primarily within the northeastern portion of the subject site near the existing boat yard and boat launch. Although access was restricted within some portions of the subject site, it is anticipated that solvents, chemicals, oils, and petroleum products are stored and utilized on-site.

- Evidence of on-site USTs were noted through visual observations and review of the governmental records search provided by EDR. Documented USTs have been noted at the following properties and pose a "material threat":

    - Dana Point Marina, 24500 Dana Point Harbor Drive
    - Dana Point Maintenance Facility, 34551 Puerto Place
    - Dana Point Marina Company, 34553 Casitas Place
    - Embarcadero Marina, 34512 Embarcadero Place
    - Dana Point Fuel Dock, 34661 Puerto Place
    - KDL Services, Inc., DBA Dana Point Fuel DK, 34661 Puerto Place

- Dana West Marina, 24501 Dana Drive
- Dana Point Marina, 24701 Dana Drive
- Dana Point Marina Harbor Patrol, 25005 Dana Drive

5.1.2 Public Records

Available public records were reviewed by Environmental Data Resources, Inc., on July 11, 2005 (refer to Section 3.0, *Historical and Regulatory Information Searches*). The purpose of this research was to verify if sites are located within the subject site boundaries or within a one-mile radius of the subject site which have been reported as contaminated or that generate hazardous materials.

The lists which were reviewed identified 18 listed regulatory sites within the boundaries of the subject site, which are listed below.

- Dana West Marina, 24500 Dana Point Drive
- 24650 Dana Point Harbor Drive
- Dana Point Harbor, 34551 Puerto Place
- 34555 Casitas Place
- 34553 Casitas Place
- Embarcadero Marina, 34512 Embarcadero Marina
- 24200 Dana Point Harbor Drive
- Skippers Galley, Inc., 34667 Skippers Galley Inc.
- Jolly Roger-Dana Point #116, 34661 Puerto Place
- Dana Point Shipyard, 34671 Puerto Place
- Dana Point Fuel Dock, 34661 Puerto Place
- West Holding Basin, 24300 Dana Point Harbor
- Michael's Supper Club, 24399 Dana Drive
- Dana West Marina, 24501 Dana Drive
- Dana Point Marina Company, 24705 Dana Drive
- Pacific Asian Enterprises, Inc., 24703 Dana Drive
- Dana Point Marina, 24701 Dana Drive
- Dana Point Marina Harbor Patrol, 25005 Dana Drive

The lists identified 24 listed regulatory sites located within a one-mile radius of the subject site. A potential REC on the subject site caused by these properties is considered to be low due to the groundwater flow direction from the subject site; and/or the status of the identified sites.

5.1.3 Historic Recognized Environmental Condition(s)

HRECs are generally conditions which have in the past been remediated to the satisfaction of the responsible regulatory agency. Based on this definition, 11 HRECs have been identified by EDR and are noted as part of this Assessment. The following on-site properties are considered to be HRECs due to past subsurface releases of petroleum products:

- B. Latham Wastewater Treatment, 34152 Del Obispo Street (closed site)
- Orange County CAPO Yard/EMA/San Juan Capistrano Main Yard, 34102 Del Obispo Street (closed site)
- Cannan-Bart, Inc., 25742 Victoria Boulevard (closed site)
- John Groty/Serra Lumber, 25802 Victoria Boulevard (closed site)
- Performance Haus, 34112 Pacific Coast Highway (closed site)
- Ruben's Imports/George's Imports, 34119 South Pacific Coast Highway (closed site)
- Dana Point Chevron #9-7460, 34164 Pacific Coast Highway (closed site)
- Dana Point Shell (1998-0105), 34137 Pacific Coast Highway (closed site)
- Lantern Bay Cleaners, 24839 Del Prado (closed site)

- Northern Trust Co., 34091 Pacific Coast Highway (closed site)
- Southern California Gas Company, 34271 Del Obispo Street (closed street)

5.1.4 Historical Use(s) Information

Based upon evaluation of the documented land use as demonstrated in the reviewed resources, the series of historic aerial photographs and maps, and the site inspection, the potential that adverse environmental conditions were created by previous uses of the subject site is considered to be low.

5.1.5 Adjacent Properties

The physical presence of hazardous materials on the subject site that may have been generated from adjacent properties were not visibly evident during the July 20, 2005 site inspection.

5.1.6 Other Potential Sources of Hazardous Material

The presence of hazardous materials on the subject site that may have been generated from adjacent properties was not visually or physically evident.

5.2 Consultant's Opinion/Recommendation

The following opinions are based on review of reasonably ascertainable referenced material available to RBF during the preparation of this Assessment which included historical aerial photographs, historical topographic maps, regulatory databases, interviews, and a site inspection:

- Due to health impacts, the Environmental Protection Agency (EPA) banned some uses of PCBs in 1977 and most production/use in 1979. However, many transformer's and other materials (such as hydraulic lifts and associated fluids) still contain PCBs. Polychlorinated Biphenyl (PCB) fluids may be present within transformers and hydraulic lifts located within the interior of the on-site shops associated with boat maintenance and repair.

- Based upon the year the existing structures located on the subject site were built (prior to 1978), lead-based paint and asbestos may be present within the structures and would need to be handled properly prior to any remodeling or demolition activities.

5.3 Formal Recommendations

Based on the records and other data reviewed during the preparation of this Preliminary Hazardous Materials Assessment, in accordance with the scope-of-services, and subject to the limitations thereof, the following formal measures are recommended prior to and during the demolition/construction phase:

5.3.1 Pre-Construction Measures

Demolition and construction activities are considered to be part of the Dana Point Harbor Revitalization Project. A qualified hazardous materials consultant with Phase II and Phase III experience should review groundwater documents regarding former subsurface releases at 24501 Dana Drive and 24705 Dana Drive (as indicated in Section 1.2.6).

All stained concrete/asphalt should be removed and disposed of to an appropriate permitted facility. Once removed, exposed soils should be visually observed to confirm the presence/absence of

staining (an indication of contamination migration into the subsurface). If observed, stained soils should be tested to identify appropriate remedial activities (if necessary).

The interior of individual on-site structures within the project site should be visually inspected prior to demolition or renovation activities, with particular attention to all industrial uses. Should hazardous materials be encountered with any on-site structure, the materials should be tested and properly disposed of in accordance with State and Federal regulatory requirements. Any stained soils or surfaces underneath the removed materials should be sampled. Results of the sampling would indicate the appropriate level of remediation efforts that may be required.

5.3.2 Underground Storage Tanks

Any underground storage tanks to be removed/relocated during site construction/demolition should be conducted under the purview of the local regulatory agency to identify property handling procedures. Once the tank is removed, a visual inspection of the areas beneath and around the removed tank should be performed. Any stained soils observed underneath the septic tank should be sampled. Results of the sampling (if necessary) would indicate the level of remediation efforts that may be required.

Due to the urbanized nature of the subject site, the presence of septic tanks is considered unlikely. However, Building Department Records should be reviewed to indicate any documented septic tanks and/or chemical storage tanks. If present, the tanks should be removed and properly disposed of at an approved landfill facility. Once the tank is removed, a visual inspection of the areas beneath and around the removed tank should be performed. Any stained soils observed underneath the septic tank should be sampled. Results of the sampling (if necessary) would indicate the level of remediation efforts that may be required.

5.3.3 Polychlorinated Biphenyls (PCBs)

Any transformers to be relocated during site construction/demolitions should be conducted under the purview of the local utility purveyor to identify property handling procedures regarding potential PCBs.

Hydraulic lifts/PCB fluids may be present within on-site boat maintenance and repair shops. The primary concern with hydraulic lifts is the potential for subsurface contamination associated with hydraulic fluid leakage from the lift's piston. Therefore, it is RBF's opinion that, at minimum, the hydraulic fluids should be tested to determine the presence or absence of PCBs. Additional confirmation samples should be collected around the pistons to determine if a subsurface release of hydraulic fluids has occurred. If found, appropriate remedial measures should be implemented to the satisfaction of the lead regulatory agency.

5.3.4 Asbestos

The National Emission Standards for Hazardous Air Pollutants (NESHAP) mandates that building owners conduct an asbestos survey to determine the presence of asbestos containing materials (ACMs) prior to the commencement of any remedial work, including demolition. Prior to demolition work, it is recommended that areas be sampled as part of an asbestos survey.

Any demolition of the existing buildings must comply with State law, which requires a contractor, where there is asbestos-related work involving 100 square feet or more of ACMs, to be certified and that certain procedures regarding the removal of asbestos be followed.

5.3.5 Lead-Based Paint

If during demolition of the structures, paint is separated from the building material (e.g., chemically or physically), the paint waste should be evaluated independently from the building material to determine its proper management. According to the Department of Substances Control, if paint is not removed from the building material during demolition (and is not chipping or peeling), the material could be disposed of as construction debris (a non-hazardous waste). It is recommended that the landfill operator be contacted in advance to determine any specific requirements they may have regarding the disposal of lead-based paint materials.

5.3.6 Construction Activities

If unknown wastes or suspect materials are discovered during construction by the contractor which he/she believes may involve hazardous waste/materials, the contract shall:

- Immediately stop work in the vicinity of the suspected contaminant, removing workers and the public from the area;
- Notify the Project Engineer of the implementing Agency;
- Secure the area as directed by the Project Engineer; and
- Notify the implementing agency's Hazardous Waste/Materials Coordinator.

6.0

REFERENCES

1946 - 1994 Historical Aerial Photographs provided by Environmental Data Resources, Inc.

Date	Approximate Scale	Reference #
1946	1"=655'	911763.6
1953	1"=555'	911763.6
1968	1"=480'	911763.6
1977	1"=666'	911763.6
1989	1"=666'	911763.6
1994	1"=666'	911763.6

California Department of Oil, Gas, and Geothermal Resources (DOGGR), Wildcat Map #W1-4, Orange, Riverside, and San Bernardino Counties, dated April 24, 1999.

County of Orange Zoning Code.

Dana Point Harbor Commercial Core Master, December, 23, 2002.

Dana Point Harbor Final EIR, December 1973.

Digital Sanborn Map Database (provided by the Sanborn Map Company 2001).

EPA Map of Radon Zones, U.S. EPA, 1993.

Geologic Map of Orange County California, dated 1981.

Governmental Records, Environmental Data Resources, Inc., July 11, 2005.

Property Data, provided by County of Orange, April 23, 2003.

Site Inspection, conducted on July 20, 2005.

Soil Survey of Orange County and Western part of Riverside County, California, dated 1978.

Telephone Interview, Ms. Jennifer Bowwer, County of Orange Fire Authority, conducted on April 14, 2003.

Telephone Interview, Sargent Falk, Dana Point Harbor Patrol, conducted on April 15, 2003.

Thomas Brothers Map, Los Angeles and Orange Counties, 2003.
USGS Topographic Quadrangles, Dana Point, California Quadrangle, photorevised 1975.

USGS Historical Topographic Quadrangles, Dana Point, California and Capistrano, California, Quadrangle, 1902 through 1975.

QUALIFICATIONS AND EXPERIENCE

RBF Consulting, established in 1944, has over 55 years of experience in providing comprehensive land development services. Some, but not all of the services RBF Consulting provides includes:

- $ Construction Management
- $ Entitlement/Governmental Processing
- $ Environmental Services (CEQA/NEPA documents, permitting)
- $ Feasibility Studies/Due Diligence Reports
- $ Infrastructure Planning and Design (circulation, water, wastewater, flood control, dry utilities)
- $ Land Planning (Site Plans, Landscape Architecture, Specific Plans, Master Plans)
- $ Media Services (video, newsletters, presentation/marketing materials)
- **$ *Phase I Environmental Site Assessments***
- $ Site Engineering (Grading, Structures)
- $ Surveying, Mapping and Aerial Photogrammetry

FOCUS ON: **Phase I Environmental Site Assessments (ESAs).** Phase I ESA=s prepared by RBF Consulting reflect the most current interpretations of industry standards which are the American Society for Testing & Materials (ASTM) standards for commercial real estate transactions (E1527-00 and E1528-00). The comprehensive in-house capabilities and professional experience in completing a wide range of projects allows RBF to effectively and efficiently complete Phase I Environmental Site Assessments for any type of property.

RBF REPRESENTATIVE PROJECTS

RBF Consulting's staff is uniquely qualified to effectively manage complex projects. RBF Consulting has prepared Phase I ESAs on vacant, residential, commercial, industrial and federal properties, for a wide range of clients. Our clients include, but are not limited to, the following:

- ! Avanti Investment Advisors (multiple sites)
- ! Bardeen Investment Company
- ! California Department of Transportation (multiple sites)
- ! City of Bell Gardens (multiple sites)
- ! City of Lake Elsinore
- ! City of Lynwood (multiple sites)
- ! City of Murrietta (multiple sites)
- ! City of Palm Desert
- ! City of Rancho Mirage
- ! City of Temecula
- ! City of Watsonville
- ! Community Southwest
- ! Kemper Real Estate
- ! Kredit Toronto Corporation (multiple sites)
- ! Lear Enterprises (multiple sites)
- ! Midland Properties (multiple sites)

KEY PERSONNEL

Projects are overseen by Mr. Bruce R. Grove Jr., Registered Environmental Assessor/Certified Environmental Inspector (REA/CEI) shall provide the quality assurance/quality control oversight of each Phase I ESA prepared. Document research and preparation will be provided by Mr. Richard Beck.

Bruce R. Grove Jr., REA #06865, CEI #14551
Senior Project Manager/Environmental Assessor-QA/QC, Environmental Services

Mr. Grove graduated from California State University, Chico, with a degree in Geography and Planning. Mr. Grove=s professional environmental experience includes the management, review, and preparation of Phase I Environmental Site Assessments (ESAs), Initial Site Assessments (ISAs), and Environmental Baseline Surveys (EBSs) consistent with the American Society of Testing & Materials (ASTM) Standards for sites located throughout California, Nevada, and Arizona. In the past five years Mr. Grove has been involved in the preparation or review of well over 300 assessments. In addition Mr. Grove also serves as Field Analyst for several projects requiring conceptual analysis of flood control issues, including the assessment of existing wetland/habitat areas, opportunities for wetland habitat enhancement, and permit/regulatory services including acquisition of permits from the ACOE (404), CDFG (Streambed Alteration Agreements), and the State Water Quality Control Board (NPDES Dewatering, NPDES Stormwater Runoff, and Water Quality Certification).

Richard Beck
Project Coordinator, Environmental Services

Mr. Beck assists in the preparation of environmental and planning studies for public and private sector clients. As an Environmental Analyst at RBF, Mr. Beck has been involved with 404/401/1600 permit processing, wetland delineation, field studies, permitting in accordance with the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), and Phase I Environmental Site Assessments. In the past two years Mr. Beck has personally evaluated over fifty (50) real properties in the southern California region.

Appendix I
Preliminary Hazardous Materials Assessment

APPENDIX

A. EDR Search



EDR™ Environmental
Data Resources Inc

EDR DataMap™ Area Study

Dana Point Harbor
Dana Point, CA 92629

July 11, 2005

Inquiry number 01460053.1r

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).

TARGET PROPERTY INFORMATION

ADDRESS

DANA POINT, CA 92629
DANA POINT, CA 92629

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information

STATE ASTM STANDARD

AWP	Annual Workplan Sites
Cal-Sites	Calsites Database
Notify 65	Proposition 65 Records
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
CA BOND EXP. PLAN	Bond Expenditure Plan
VCP	Voluntary Cleanup Program Properties
INDIAN UST	Underground Storage Tanks on Indian Land
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens

EXECUTIVE SUMMARY

PADS..... PCB Activity Database System
UMTRA..... Uranium Mill Tailings Sites
US ENG CONTROLS..... Engineering Controls Sites List
ODI..... Open Dump Inventory
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
INDIAN RESERV..... Indian Reservations
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Petroleum Storage Tank Facilities
DEED..... Deed Restriction Listing
SCH..... School Property Evaluation Program
REF..... Unconfirmed Properties Referred to Another Agency
WIP..... Well Investigation Program Case List
NFA..... No Further Action Determination
NFE..... Properties Needing Further Evaluation

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
US INST CONTROL..... Sites with Institutional Controls
VCP..... Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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 ASTM STANDARD

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective

information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 05/20/2005 has revealed that there is 1 RCRA-LQG site within the searched area.

Site	Address	Map ID	Page
SHELL SERVICE STATION	*34137 PACIFIC COAST HIG*	*8*	*49*

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 05/20/2005 has revealed that there are 12 RCRA-SQG sites within the searched area.

Site	Address	Map ID	Page
ORANGE COUNTY CAPO YARD	*34102 DEL OBISPO ST*	*1*	*11*
DANA NIGUEL VETERINARY HOSP	*34249 PACIFIC COAST HWY*	*6*	*27*
ELEGANT DRY CLEANERS	*34255 PACIFIC COAST HWY*	*6*	*28*
PACIFIC CLEANERS	*34098 PACIFIC COAST HWY*	*7*	*30*
ROYAL CLEANERS	*34119 S PACIFIC COAST H*	*7*	*35*
ROYAL CLEANERS	*34119 PCH HWY*	*7*	*36*
RU BENZ IMPORTS	*34134 PACIFIC COAST HWY*	*7*	*41*
WORLD ONE HOUR PHOTO	*24833 DEL PRADO ST*	*9*	*51*
LANTERN BAY CLEANERS	*24839 DEL PRADO*	*9*	*52*
SO CALI GAS CO/DANA POINT STAT	*34271 S DEL OBISPO ST*	*11*	*58*
MARTINIZING CLEANERS	*24502 DEL PRADO UNIT B*	*12*	*61*
TEXACO SERVICE STATION	34661 PUERTO PL	24	92

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

A review of the ERNS list, as provided by EDR, and dated 12/31/2004 has revealed that there are 9 ERNS sites within the searched area.

Site	Address	Map ID	Page
24500 DANA POINT HARBOR DRIVE	24500 DANA POINT HARBOR	17	73
24500 DANA POINT HBR DR SLIP 3	24500 DANA POINT HBR DR	17	73
24650 DANA POINT HARBOR DR	24650 DANA POINT HARBOR	18	73
34555 CASITAS PL	34555 CASITAS PL	20	75
24200 DANA POINT; HARBOR DRIVE	24200 DANA POINT; HARBO	22	79
34661 PUERTO PLACE	34661 PUERTO PLACE	24	92
34661 PUERTO PLACE	34661 PUERTO PLACE	24	95
34661 PUERTO PLACE	34661 PUERTO PLACE	24	95
WEST HOLDING BASIN 24300 DANA	WEST HOLDING BASIN 2430	25	95

STATE ASTM STANDARD

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2003 has revealed that there are 4 CHMIRS sites within the searched area.

Site	Address	Map ID	Page
DANA POINT FUEL DOCK	***34661 PUERTO PL***	***24***	***82***
DANA POINT FUEL DOCK	***34661 PUERTO PLACE***	***24***	***85***
Not reported	34661 PUERTO PLACE	24	90
Not reported	25005 DANA DRIVE, HARBO	29	107

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 20 Cortese sites within the searched area.

Site	Address	Map ID	Page
SERRA	***34152 DEL OBISPO ST***	***1***	***6***
SAN UAN CAPISTRANO MAIN.	***34102 DEL OBISPO***	***1***	***12***
CANNAN-BART, INC	***25742 VICTORIA BLVD***	***2***	***15***
ARCO #0447	***34342 PACIFIC COAST HWY***	***3***	***16***
SERRA LUMBER CO.	***25802 VICTORIA BLVD***	***4***	***19***
TOSCO/UNOCAL STATION 3732	***34306 PACIFIC COAST***	***5***	***24***
PERFORMANCE HAUS	***34112 PACIFIC COAST HWY***	***7***	***34***
RUBEN'S IMPORTS	***34134 PACIFIC COAST HWY***	***7***	***42***
CHEVRON SERVICE STATION #	***34164 PACIFIC COAST***	***7***	***45***
SHELL SERVICE STATION	***34137 PACIFIC COAST HWY***	***8***	***46***
NORTHERN TRUST COMPANY	***34091 PACIFIC COAST HWY***	***10***	***56***
SOUTHERN CALIFORNIA GAS CO	***34271 DEL OBISPO ST***	***11***	***59***
FORMER EXXON STATION 7-4816	***34295 DOHENY PARK RD***	***13***	***66***
CAPISTRANO REALTY	***34656 PACIFIC COAST HWY***	***14***	***68***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
DANA POINT MARINA COMPANY	*34553 CASITAS PL*	*20*	*76*
EMBARCADERO MARINA	*34512 EMBARCADERO PL*	*21*	*77*
DANA POINT FUEL DOCK	*34661 PUERTO PLACE*	*24*	*85*
DANA WEST MARINA	*24501 DANA DR*	*27*	*96*
DANA POINT MARINA COMPANY	*24705 DANA DR*	*28*	*98*
DANA POINT HARBOR	*25005 DANA DR*	*29*	*103*

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 05/12/2005 has revealed that there are 35 LUST sites within the searched area.

Site	Address	Map ID	Page
SERRA	*34152 DEL OBISPO ST*	*1*	*6*
SOUTH EAST REGIONAL RECLAMATN	*34152 DEL OBISPO ST*	*1*	*8*
COUNTY OF ORANGE EMA	34102 DEL OBISPO ST	1	11
SAN UAN CAPISTRANO MAIN.	*34102 DEL OBISPO*	*1*	*12*
SAN UAN CAPISTRANO MAIN. YARD	34102 DEL OBISPO ST	1	14
CANNAN-BART, INC	*25742 VICTORIA BLVD*	*2*	*15*
CANNON BART INC	25742 VICTORIA BLVD	2	15
ARCO #0447	*34342 PACIFIC COAST HWY*	*3*	*16*
JOHN GROTY/SERRA LUMBER	25802 VICTORIA BLVD	4	19
SERRA LUMBER COMPANY	*25802 VICTORIA BLVD*	*4*	*19*
SERRA LUMBER CO.	*25802 VICTORIA BLVD*	*4*	*19*
THRIFTY SERVICE STATION #390	34306 PACIFIC COAST HWY	5	24
TOSCO - 76 #7329	34306 PACIFIC COAST HWY	5	25
TOSCO/UNOCAL STATION 37329	34306 PACIFIC COAST HWY	5	26
PERFORMANCE HAUS	34112 PACIFIC COAST HWY	7	33
PERFORMANCE HAUS	*34112 PACIFIC COAST HWY*	*7*	*34*
RUBEN'S IMPORTS	*34134 PACIFIC COAST HWY*	*7*	*42*
CHEVRON SERVICE STATION #7460	34164 PACIFIC COAST HWY	7	46
SHELL SERVICE STATION	*34137 PACIFIC COAST HWY*	*8*	*46*
SHELL SERVICE STATION	*34137 PACIFIC COAST HIG*	*8*	*49*
NORTHERN TRUST CO	*34091 PACIFIC COAST HWY*	*10*	*56*
NORTHERN TRUST COMPANY	*34091 PACIFIC COAST HWY*	*10*	*56*
SOUTHERN CALIFORNIA GAS CO	*34271 DEL OBISPO ST*	*11*	*59*
FORMER EXXON STATION 7-4816	*34295 DOHENY PARK RD*	*13*	*66*
CAPISTRANO REALTY	*34656 PACIFIC COAST HWY*	*14*	*68*
THRIFTY OIL S S #390	34306 COAST	16	70
DANA POINT MARINA COMPANY	*34553 CASITAS PL*	*20*	*76*
EMBARCADERO MARINA	*34512 EMBARCADERO PL*	*21*	*77*
EMBARCADERO MARINA	34512 EMBARCADERO PL	21	78
DANA POINT FUEL DOCK	*34661 PUERTO PLACE*	*24*	*85*
DANA POINT FUEL DOCK	*34661 PUERTO PL*	*24*	*92*
DANA WEST MARINA	*24501 DANA DR*	*27*	*96*
DANA POINT MARINA COMPANY	*24705 DANA DR*	*28*	*98*
DANA POINT MARINA HARBOR PATRO	*25005 DANA DR*	*29*	*103*
DANA POINT HARBOR	*25005 DANA DR*	*29*	*103*

EXECUTIVE SUMMARY

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 04/12/2005 has revealed that there are 21 UST sites within the searched area.

Site	Address	Map ID	Page
TURK STREET GARAGE	175 TURK ST	1	3
EMA	34102 DEL OBISPO ST	1	11
SERRA LUMBER COMPANY	***25802 VICTORIA BLVD***	***4***	***19***
DANA POINT UNOCAL (TOSCO #3130	34306 PACIFIC COAST HWY	5	25
DANA POINT UNOCAL #7329	34306 PACIFIC COAST HWY	5	27
PERFORMANCE HAUS	***34112 PACIFIC COAST HWY***	***7***	***34***
RUBENS IMPORTS	34134 PACIFIC COAST HWY	7	41
DANA POINT CHEVRON #9-7460	34164 PACIFIC COAST HWY	7	44
DANA POINT SHELL (1998-0105)	34137 PACIFIC COAST HWY	8	48
DANA POINT SHELL (1998-0105)	34137 PACIFIC COAST HWY	8	50
NORTHERN TRUST CO	***34091 PACIFIC COAST HWY***	***10***	***56***
SOUTHERN CALIF GAS CO	34271 DEL OBISPO ST	11	58
CAPISTRANO REALTY	***34656 PACIFIC COAST HWY***	***14***	***68***
DOHENY STATE BEACH	25300 DANA POINT HARBOR	15	69
DANA WEST MARINA	***24500 DANA POINT HARBOR***	***17***	***72***
COUNTY MAINTENANCE YARD	34551 PUERTO PL	19	75
EMBARCADERO MARINA	***34512 EMBARCADERO PL***	***21***	***77***
DANA POINT FUEL DOCK	***34661 PUERTO PL***	***24***	***92***
DANA POINT MARINA	24701 DANA DR	28	101
DANA POINT MARINA HARBOR PATRO	***25005 DANA DR***	***29***	***103***
AVIS RENT-A-CAR	1 NEIL ARMSTRONG WAY	29	108

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

A review of the CA FID UST list, as provided by EDR, has revealed that there are 10 CA FID UST sites within the searched area.

Site	Address	Map ID	Page
SOUTH EAST REGIONAL RECLAMATN	***34152 DEL OBISPO ST***	***1***	***8***
DANA POINT UNOCAL #7329	34306 PACIFIC COAST HWY	5	26
RUBENS IMPORTS	34134 PACIFIC COAST HWY	7	43
DANA POINT SHELL (1998-0105)	34137 PACIFIC COAST HWY	8	46
DOHENY STATE BEACH	***25300 DANA POINT HARBOR***	***15***	***70***
DANA WEST MARINA	***24500 DANA POINT HARBOR***	***17***	***71***
COUNTY MAINTENANCE YARD	34551 PUERTO PL	19	74
DANA POINT FUEL DOCK	34661 PUERTO PL	24	82
DANA POINT MARINA COMPANY	***24705 DANA DR***	***28***	***98***
DANA POINT MARINA HARBOR PATRO	25005 DANA DR	29	102

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

EXECUTIVE SUMMARY

11 HIST UST sites within the searched area.

Site	Address	Map ID	Page
.B. LATHAM WASTEWATER TREATME	34152 DEL OBISPO ST	1	6
THRIFTY OIL STN. #390	34306 PACIFIC COAST HWY	5	23
GEORGE'S IMPORTS	34134 PACIFIC COAST HWY	7	44
GEORGE'S IMPORTSS	34134 PACIFIC COAST HWY	7	44
RONALD/SEPHEN OETGER	34137 PACIFIC COAST HWY	8	50
DANA POINT	34271 DEL OBISPO ST	11	60
DOHENY STATE BEACH	***25300 DANA POINT HARBOR***	***15***	***70***
DANA POINT MAINTENANCE FACILIT	34551 PUERTO PL	19	74
EMBARCADERO MARINA	34512 EMBARCADERO PL	21	78
DANA POINT FUEL DOCK	***34661 PUERTO PL***	***24***	***82***
DANA POINT FUEL DOCK	***34661 PUERTO PL***	***24***	***92***

FEDERAL ASTM SUPPLEMENTAL

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

A review of the FINDS list, as provided by EDR, and dated 04/11/2005 has revealed that there are 11 FINDS sites within the searched area.

Site	Address	Map ID	Page
ORANGE COUNTY CAPO YARD	***34102 DEL OBISPO ST***	***1***	***11***
DANA NIGUEL VETERINARY HOSP	***34249 PACIFIC COAST HWY***	***6***	***27***
ELEGANT DRY CLEANERS	***34255 PACIFIC COAST HWY***	***6***	***28***
PACIFIC CLEANERS	***34098 PACIFIC COAST HWY***	***7***	***30***
ROYAL CLEANERS	***34119 S PACIFIC COAST H***	***7***	***35***
RU BENZ IMPORTS	***34134 PACIFIC COAST HWY***	***7***	***41***
WORLD ONE HOUR PHOTO	***24833 DEL PRADO ST***	***9***	***51***
LANTERN BAY CLEANERS	***24839 DEL PRADO***	***9***	***52***
SO CALI GAS CO/DANA POINT STAT	***34271 S DEL OBISPO ST***	***11***	***58***
MARTINIZING CLEANERS	***24502 DEL PRADO UNIT B***	***12***	***61***
DANA POINT SHIPYARD BOAT MAINT	34671 PUERTO PLACE	24	82

STATE OR LOCAL ASTM SUPPLEMENTAL

DRYCLEANERS: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 cleaners' agents; linen supply; coin-operated laundries and

cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, has revealed that there are 8 CLEANERS sites within the searched area.

Site	Address	Map ID	Page
ELEGANT DRY CLEANERS	*34255 PACIFIC COAST HWY*	*6*	*28*
1X FOCUS CITY	*34255 PACIFIC COAST HWY*	*6*	*28*
PACIFIC CLEANERS	*34098 PACIFIC COAST HWY*	*7*	*30*
ROYAL CLEANERS	*34119 S PACIFIC COAST H*	*7*	*35*
ROYAL CLEANERS	*34119 PCH HWY*	*7*	*36*
LANTERN BAY CLEANERS	*24839 DEL PRADO*	*9*	*52*
MARTINIZING CLEANERS	*24502 DEL PRADO UNIT B*	*12*	*61*
PACIFIC ASIAN ENTERPRISES INC	24703 DANA DR	28	101

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the CA WDS list, as provided by EDR, and dated 03/21/2005 has revealed that there are 2 CA WDS sites within the searched area.

Site	Address	Map ID	Page
SOUTH EAST REGIONAL RECLAMATN	*34152 DEL OBISPO ST*	*1*	*8*
DANA POINT SHIPYARD	*34671 PUERTO PL*	*24*	*80*

Emissions Inventory Data: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2002 has revealed that there are 6 EMI sites within the searched area.

Site	Address	Map ID	Page
SERRA	*34152 DEL OBISPO ST*	*1*	*6*
LANTERN BAY CLEANERS	*24839 DEL PRADO*	*9*	*52*
SKIPPERS GALLEY INC	34667 GOLDEN LANTERN	23	80
JOLLY ROGER-DANA POINT #116	34661 GOLDEN LANTERN	23	80
DANA POINT SHIPYARD	*34671 PUERTO PL*	*24*	*80*
MICHAEL'S SUPPER CLUB, GRACE R	24399 DANA DR	26	95

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

A review of the SLIC list, as provided by EDR, and dated 04/12/2005 has revealed that there is 1 SLIC site within the searched area.

Site	Address	Map ID	Page
VICTORIA FIELD OFFICE	25842 VICTORIA BOULEVAR	4	19

EXECUTIVE SUMMARY

HAZNET: 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 from non-California manifests & continuation sheets are not included at the present time. 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, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2002 has revealed that there are 18 HAZNET sites within the searched area.

Site	Address	Map ID	Page
SAN UAN CAPISTRANO MAIN.	***34102 DEL OBISPO***	***1***	***12***
ARCO #0447	***34342 PACIFIC COAST HWY***	***3***	***16***
TOSCO/UNOCAL STATION 3732	***34306 PACIFIC COAST***	***5***	***24***
1X FOCUS CITY	***34255 PACIFIC COAST HWY***	***6***	***28***
PACIFIC CLEANERS	***34098 PACIFIC COAST HWY***	***7***	***30***
ROYAL CLEANERS	***34119 PCH HWY***	***7***	***36***
RU BENZ IMPORTS	***34134 PACIFIC COAST HWY***	***7***	***41***
CHEVRON SERVICE STATION #	***34164 PACIFIC COAST***	***7***	***45***
WORLD ONE HOUR PHOTO	***24833 DEL PRADO ST***	***9***	***51***
LANTERN BAY CLEANERS	***24839 DEL PRADO***	***9***	***52***
MARTINIZING CLEANERS	***24502 DEL PRADO UNIT B***	***12***	***61***
DPR DOHENY STATE BEACH	25300 DANA PT HARBOR DR	15	69
DANA WEST MARINA	***24500 DANA POINT HARBOR***	***17***	***71***
DANA WEST MARINA	***24500 DANA POINT HARBOR***	***17***	***72***
ORANGE COUNTY HARBORS BEACHES	34551 PORTO PLACE	19	74
KDL SERVICES INC. DBA DANA POI	34661 PUERTO PLACE	24	89
DANA POINT MARINA COMPANY	***24705 DANA DR***	***28***	***98***
COUNTY OF ORANGE HB &P	25005 DANNA DR	29	102

List of Industrial Site Cleanups: The Orange County Industrial Site Cleanups list comes from the Health Care Agency.

A review of the Orange Co. Industrial Site list, as provided by EDR, has revealed that there is 1 Orange Co. Industrial Site site within the searched area.

Site	Address	Map ID	Page
LANTERN BAY CLEANERS	***24839 DEL PRADO***	***9***	***52***

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

Database	Total Plotted
FEDERAL ASTM STANDARD	
NPL	0
Proposed NPL	0
CERCLIS	0
CERC-NFRAP	0
CORRACTS	0
RCRA TSD	0
RCRA Lg. Quan. Gen.	1
RCRA Sm. Quan. Gen.	12
ERNS	9
STATE ASTM STANDARD	
AWP	0
Cal-Sites	0
CHMIRS	4
Cortese	20
Notify 65	0
Toxic Pits	0
State Landfill	0
WMUDS/SWAT	0
LUST	35
CA Bond Exp. Plan	0
UST	21
VCP	0
INDIAN UST	0
INDIAN LUST	0
CA FID UST	10
HIST UST	11
FEDERAL ASTM SUPPLEMENTAL	
CONSENT	0
ROD	0
Delisted NPL	0
FINDS	11
HMIRS	0
MLTS	0
MINES	0
NPL Liens	0
PADS	0
UMTRA	0
US ENG CONTROLS	0
ODI	0
FUDS	0
DOD	0
INDIAN RESERV	0
RAATS	0

MAP FINDINGS SUMMARY

Database	Total Plotted
TRIS	0
TSCA	0
SSTS	0
FTTS	0
STATE OR LOCAL ASTM SUPPLEMENTAL	
AST	0
CLEANERS	8
CA WDS	2
DEED	0
SCH	0
REF	0
WIP	0
EMI	6
NFA	0
NFE	0
SLIC	1
HAZNET	18
Orange Co. Industrial Site	1
EDR PROPRIETARY HISTORICAL DATABASES	
Coal Gas	0
BROWNFIELDS DATABASES	
US BROWNFIELDS	0
US INST CONTROL	0
VCP	0

NOTES:

Sites may be listed in more than one database

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

1 **TURK STREET GARAGE** **UST** **U003659704**
175 TURK ST **N/A**
, CA

State UST:
Facility ID: 7760
Total Tanks: 1
Region: STATE
Local Agency: 30000

UST San Francisco County:
Facility ID: 776
Tank ID: Not reported
Receive Date: Not reported
Region : SAN FRANCISCO
Facility Status : Not reported
Certified Date: 5/6/1998
Mailing Address: Not reported
Care Of Address : Not reported
Local Tank Id : Not reported
Case Number: Not reported
Owner Name: Not reported
Close Date: 10/23/1997
Number Of Tanks : Not reported
Tank Manufacturer Not reported
Compartmentalized Tank : Not reported
Date Tank Installed : Not reported
Tank Capacity : Not reported
Of Tank Compartments : Not reported
Of Tanks : 1
Additional Desc : Not reported
Petroleum Type : Not reported
Tank Use : Not reported
Common Name : Not reported
Type Of Tank : Not reported
Tank Material - Primary Tank : Not reported
Tank Material - Secondary Tank : Not reported
Tank Interior Lining/coating : Not reported
Tank Int Lining Install Dt: Not reported
Other Tank Corrosive Protection : Not reported
Date Tank Corrosive Protection Install : Not reported
Type Of Spill Protection :
Spill Containment : Not reported
Drop Tube : Not reported
Striker Plate : Not reported
Year Overfill Protection Equipment Installed :
Alarm : Not reported
Ball Float : Not reported
Fill Tube Shut : Not reported
Exempt : Not reported
Tank Leak Detection (Single Wall) :
Visual (Exposed Portion) : Not reported
Automatic Tank Gauging : Not reported
Continuous Atg : Not reported
Statscl Invntry Reconciliation & Biennial Tank Test : Not reported
Manual Tank Gauging : Not reported
Vadose Zone Tank Leak Detection : Not reported
Groundwater : Not reported
Tank Testing : Not reported
Other Detection : Not reported
Tank Leak Detection (Double Wall) :
Visual (Single Wall In Vault Only) : Not reported
Continuous Interstitial Monitoring : Not reported

TURK STREET GARAGE (Continued) **U003659704**

Manual Monitoring :	Not reported
Other Leak Detection :	Not reported
Estimated Date Last Used :	Not reported
Estimated Qty Of Substance Remaining :	Not reported
Tank Filled With Inert Material :	Not reported
Piping System Type (Underground) :	
Pressure :	Not reported
Suction :	Not reported
Gravity :	Not reported
Piping System Type (Aboveground) :	
Pressure :	Not reported
Suction :	Not reported
Gravity :	Not reported
Piping Construction (Underground) :	
Single Wall :	Not reported
Double Wall :	Not reported
Lined Trench :	Not reported
Unknown :	Not reported
Other :	Not reported
Piping Manufacturer (Underground) :	Not reported
Piping Construction (Aboveground) :	
Single Wall :	Not reported
Double Wall :	Not reported
Unknown :	Not reported
Other :	Not reported
Piping Manufacturer (Aboveground) :	Not reported
Piping Mat. And Corrosion Protection (Underground) :	
Bare Steel :	Not reported
Stainless Steel :	Not reported
Plastic Compatible With Contents :	Not reported
Fiberglass :	Not reported
Steel W/coating :	Not reported
FRP Compatible W/100% Methanol :	Not reported
Galvanized Steel :	Not reported
Flexible (HDPE - High Density Polyethylene) :	Not reported
Cathodic Protection :	Not reported
Unknown :	Not reported
Other :	Not reported
Piping Mat. & Corrosion Protecn (Aboveground) :	
Bare Steel :	Not reported
Stainless Steel :	Not reported
Plastic Compatible With Contents :	Not reported
Fiberglass :	Not reported
Steel W/coating :	Not reported
Frp Compatible W/100% Methanol :	Not reported
Galvanized Steel :	Not reported
Flexible (HDPE - High Density Polyethylene) :	Not reported
Cathodic Protecn :	Not reported
Unknown :	Not reported
Other :	Not reported
Piping Leak Detection (Underground - Single Wall) :	
Electronic Line Leak Detector/ Auto Shutoff/ Alarms :	Not reported
Monthly 0.2 Gph Test :	Not reported
Annual Integrity Test :	Not reported
Daily Visual Monitrng ,Trienn Integrity Test :	Not reported
Self Monitoring :	Not reported
Biennial Integrity Test :	Not reported

TURK STREET GARAGE (Continued) **U003659704**

Piping Leak Detection (Secondarily Contained) :
Sump Sensor, Alarms ,Auto Shutoff For Leaks : Not reported
Sump Snsr, Alrm ,Auto Shutoff For Leaks, Failure, & Disconnect : Not reported
Sump Sensor ,Alarms ,No Auto Shutoff : Not reported
Pressure, Auto Leak Detctr ,Flow Shutoff Or Restricn Not reported
Annual Integrity Test : Not reported
Suction,Gravity ,Sump Sensor,Alarms : Not reported
Piping Leak Detection (Emergency Generators) :
Sump Sensor W/O Auto Shutoff /Alarms : Not reported
Auto Leak Detector W/O Flow Shutoff Or Restrcn : Not reported
Annual Integrity Test : Not reported
Piping Leak Detecn Abvegrnd - Emrgncy Gen - Daily Visual Chk :Not reported
Pipe Integrity Test, Underground : Not reported
Piping Leak Detection (Aboveground - Single Wall) :
Electronic Line Leak Detector /Auto Shutoff /Alarms : Not reported
Monthly 0.2 Gph Test : Not reported
Annual Integrity Test : Not reported
Single Wall, Pressure Daily Visual Check : Not reported
Single Wall, Suction - Daily Visual Monitoring : Not reported
Triennial Integrity Test : Not reported
Self Monitoring : Not reported
Single Wall, Gravity - Daily Visual Monitoring : Not reported
Biennial Integrity Test : Not reported
Piping Leak Detection (Aboveground - Secondarily Contained)
Sump Sensor, Alarms, Auto Shutoff For Leaks : Not reported
Piping Leak Detection (Underground - Secondarily Contained)
Sump Snsr, Alrm , Auto Shutoff For Leaks, Failre & Disconct : Not reported
Sump Sensor, Alarms, No Auto Shutoff : Not reported
Pressure - Auto Leak Detctr, Flow Shutoff /Restrctn : Not reported
Annual Integrity Test : Not reported
Suction/gravity - Sump Sensor , Alarms : Not reported
Piping Leak Detection Underground (Emergency Generators)
Sump Sensor Without Auto Shutoff , Alarms : Not reported
Auto Leak Detector W/o Flow Shutoff Or Restrctn : Not reported
Annual Integrity Test : Not reported
Daily Visual Check : Not reported
Pipe Integrity Test, Aboveground : Not reported
Date Dispenser Containment Installed : Not reported
Dispenser Containment Type : Not reported
Date Certified (Tank Unit) : Not reported
Owner/ Operator Name (Tank Unit) : Not reported
Owner/ Operator Title (Tank Unit) : Not reported
Permit Number : Not reported
Permit Approved By : Not reported
Permit Expiration Date : Not reported
Last Annual Monitoring Cert: Not reported
Secondary Containment Test : Not reported
Spill Containment Present : Not reported
Drop Tube Present : Not reported
Striker Plate Present : Not reported
Alarm Present : Not reported
Ball Float Present : Not reported
Fill Tube Present : Not reported
Other Tank Leak Detection Present : Not reported
UST Close ID : 3016
Application Date : 9/5/1997
Application Name : Tim Hallen

TURK STREET GARAGE (Continued) **U003659704**

Applications : Golden Gate Tank
Applications Addr : 255 Shipley Street
2ndry Care Of Address : Not reported

---

1 **.B. LATHAM WASTEWATER TREATME** **HIST UST** **U001576919**
34152 DEL OBISPO ST **N/A**
DANA POINT, CA 92629

UST HIST:

Facility ID:	64513	Owner Name:	SOUTH EAST REGIONAL RECLAMATIO
Total Tanks:	1	Region:	STATE
Owner Address:	25411 CABOT ROAD, SUITE 209 LAGUNA HILLS, CA 92653		
Tank Used for:	WASTE		
Tank Num:	1	Container Num:	01
Tank Capacity:	00000200	Year Installed:	1972
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	Visual, Stock Inventor		
Contact Name:	MICHAEL WILSON, CHIEF OPERATOR	Telephone:	(714) 496-1786
Facility Type:	Other	Other Type:	TREATMENT PLANT

---

1 **SERRA** **LUST** **1000589882**
34152 DEL OBISPO ST **Cortese** **N/A**
DANA POINT, CA 92629 **EMI**

LUST Region 9:

Case Number:	9UT764	Release Date:	05/22/1987
Local Agency:	30000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	04/22/1987	How Found:	Tank Closure
Date Stopped:	/ /	How Stopped:	Close Tank
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Drinking Water Aquifer affected		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	5/11/90	Closed Date:	5/11/90
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	89UT189
Basin Number:	901.20	Gwater Depth:	4'
File Dispn:	File discarded, case closed		
Interim Remedial Actions:	Yes		
Beneficial Use:	MUN		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

CORTESE:

Region:	CORTESE
Fac Address 2:	34152 DEL OBISPO ST

EMISSIONS :

Year :	1987
Facility ID :	3866
Air District Code :	SC
SIC Code :	4952

SERRA (Continued) **1000589882**

Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	3.90000000
Reactive Organic Gases Tons/Yr:	2.79357000
Carbon Monoxide Emissions Tons/Yr:	1.30000000
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	7.90000000
Particulate Matter Tons/Yr :	0.20000000
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0.11725000

Year :	1990
Facility ID :	3866
Air District Code :	SC
SIC Code :	4952
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	0.70000000
Reactive Organic Gases Tons/Yr:	0.46207000
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr :	0.20000000
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0.20000000

Year :	1993
Facility ID :	3866
Air District Code :	SC
SIC Code :	4952
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0.47179000
Carbon Monoxide Emissions Tons/Yr:	8.90000000
NOX - Oxides of Nitrogen Tons/Yr:	3.70000000
SOX - Oxides of Sulphur Tons/Yr:	0.90000000
Particulate Matter Tons/Yr :	0
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0

Year :	1995
Facility ID :	3866
Air District Code :	SC
SIC Code :	4952
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported

SERRA (Continued) **1000589882**

Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0.47179000
Carbon Monoxide Emissions Tons/Yr:	8.90000000
NOX - Oxides of Nitrogen Tons/Yr:	3.70000000
SOX - Oxides of Sulphur Tons/Yr:	0.90000000
Particulate Matter Tons/Yr :	0
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0

Year :	2002
Facility ID :	3866
Air District Code :	SC
SIC Code :	4952
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	18.26935900
Reactive Organic Gases Tons/Yr:	1.80619015
Carbon Monoxide Emissions Tons/Yr:	16
NOX - Oxides of Nitrogen Tons/Yr:	1.70600000
SOX - Oxides of Sulphur Tons/Yr:	1.41921250
Particulate Matter Tons/Yr :	0
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0

---

1 **SOUTH EAST REGIONAL RECLAMATN** **LUST U001743088**
34152 DEL OBISPO ST **CA FID UST N/A**
DANA POINT, CA 92629 **CA WDS**

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT764		
Reg Board:	9		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Other ground water affected		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	05/11/1990		
Release Date:	04/22/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	04/22/1987		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		

SOUTH EAST REGIONAL RECLAMATN (Continued) **U001743088**

Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: MUN
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party MIKE WILSON
RP Address: 34152 DEL OBISPO
Global Id: T0605902609
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region OR:
Facility Id: 89UT189
Record ID: RO0001137
Region: ORANGE
Case Type: Other Ground Water
Date Closed: 05/11/1990
Current Status: 9
Released Substance : Waste oil/Used oil

FID:
Facility ID: 30006561
Regulate ID: Not reported
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported
SIC Code: Not reported
Status: Active
Facility Tel: (714) 496-1786
Mail To: Not reported
34152 DEL OBISPO
DANA POINT, CA 92629
Contact: Not reported
Contact Tel: Not reported
DUNs No: Not reported
NPDES No: Not reported
Creation: 10/22/93
Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

WDS:
Facility ID: San Diego 0000175S1
Facility Contact MIKE WILSON
Facility Telephone (949) 496-1786

SOUTH EAST REGIONAL RECLAMATN (Continued) **U001743088**

SIC Code: 4952 SIC Code 2: Not reported
Agency Name: SOCWA-SAN JUAN CREEK OCEAN O/F
Agency Address: 34156 DEL OBISPO
DANA POINT 92629
Agency Contact: DAVE CARETTO Agency Phone: (949) 234-5421
Design Flow: Not reported Baseline Flow: Not reported
Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Special District (Includes districts established under general acts, sanitary districts, water districts irrigation districts, etc.)
Waste Type: Domestic Sewage combined with Industrial Waste - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Threat to Water: Not reported
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Reclamation: No reclamation requirements associated with this facility.
POTW: POTW has a local pretreatment program that has been approved by the U.S. EPA (or the regional board if the state is delegated the Federal Pretreatment Program) as being in conformance with federal prtreatment regulations [40CFR Part 403].
NPDES Number: CA0107417 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: Not reported

Facility ID: San Diego 0000175S1
Facility Contact MIKE WILSON Facility Telephone (949) 496-1786
SIC Code: 4952 SIC Code 2: Not reported
Agency Name: SOCWA-SAN JUAN CREEK OCEAN O/F
Agency Address: 34156 DEL OBISPO
DANA POINT 92629
Agency Contact: DAVE CARETTO Agency Phone: (949) 234-5421
Design Flow: Not reported Baseline Flow: Not reported
Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Special District (Includes districts established under general acts, sanitary districts, water districts irrigation districts, etc.)
Waste Type: Domestic Sewage combined with Industrial Waste - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Threat to Water: Not reported
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water

SOUTH EAST REGIONAL RECLAMATN (Continued) U001743088

monitoring wells.
Reclamation: No reclamation requirements associated with this facility.
POTW: POTW has a local pretreatment program that has been approved by the U.S. EPA (or the regional board if the state is delegated the Federal Pretreatment Program) as being in conformance with federal prtreatment regulations [40CFR Part 403].
NPDES Number: CA0107417 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: Not reported

---

1 **EMA** UST U003783728
34102 DEL OBISPO ST N/A
DANA POINT, CA 92629

State UST:
Facility ID: 6089
Total Tanks: 1
Region: STATE
Local Agency: 30000

---

1 **ORANGE COUNTY CAPO YARD** RCRA-SQG 1000818866
34102 DEL OBISPO ST FINDS CAD983647959
DANA POINT, CA 92629

RCRAInfo:
Owner: ORANGE COUNTY OF
(714) 834-2427
EPA ID: CAD983647959
Contact: CHRIS CROMPTON
(714) 567-6339
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

---

1 **COUNTY OF ORANGE EMA** LUST S102428429
34102 DEL OBISPO ST N/A
DANA POINT, CA 92629

LUST Region OR:
Facility Id: 87UT229
Record ID: RO0001679
Region: ORANGE
Case Type: Soil Only
Date Closed: 10/19/1989
Current Status: 9
Released Substance : Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

1 **SAN UAN CAPISTRANO MAIN.**
34102 DEL OBISPO
DANA POINT, CA 92629

HAZNET S103654109
LUST N/A
Cortese

State LUST:

Cross Street:	Not reported
Qty Leaked:	0
Case Number	9UT1506
Reg Board:	9
Chemical:	Diesel
Lead Agency:	Local Agency
Local Agency :	30000L
Case Type:	Soil only
Status:	Case Closed
Review Date:	Not reported
Workplan:	Not reported
Pollution Char:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	10/19/1989
Release Date:	08/22/1986
Cleanup Fund Id :	Not reported
Discover Date :	08/22/1986
Enforcement Dt :	Not reported
Enf Type:	Not reported
Enter Date :	Not reported
Funding:	Not reported
Staff Initials:	JS
How Discovered:	Tank Closure
How Stopped:	Close Tank
Interim :	Not reported
Leak Cause:	Unknown
Leak Source:	Unknown
MTBE Date :	Not reported
Max MTBE GW :	Not reported
MTBE Tested:	Not Required to be Tested.
Priority:	Not reported
Local Case # :	0
Beneficial:	MUN
Staff :	SJP
GW Qualifier :	Not reported
Max MTBE Soil :	Not reported
Soil Qualifier :	Not reported
Hydr Basin #:	Not reported
Operator :	Not reported
Oversight Prgm:	LUST
Review Date :	Not reported
Stop Date :	09/09/9999
Work Suspended :	Not reported
Responsible Party	DON SCHILLING
RP Address:	10852 DOUGLAS RD
Global Id:	T0605902390
Org Name:	Not reported
Contact Person:	Not reported
MTBE Conc:	0
Mtbe Fuel:	0
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0

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

SAN UAN CAPISTRANO MAIN. (Continued) **S103654109**

Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

HAZNET:

Gepaid: CAD983647959
TSD EPA ID: CAT080010101
Gen County: Orange
Tsd County: San Diego
Tons: 2.9190
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: ORANGE COUNTY PF & RD
Telephone: (714) 834-2457
Mailing Address: 10852 DOUGLASS RD
ANAHEIM, CA 92806
County Orange

Gepaid: CAD983647959
TSD EPA ID: AZD049318009
Gen County: Orange
Tsd County: 99
Tons: .4170
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: ORANGE COUNTY PF & RD
Telephone: (714) 834-2457
Mailing Address: 10852 DOUGLASS RD
ANAHEIM, CA 92806
County Orange

Gepaid: CAD983647959
TSD EPA ID: AZD049318009
Gen County: Orange
Tsd County: 99
Tons: .8340
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Transfer Station
Contact: ORANGE COUNTY PF & RD
Telephone: (714) 834-2457
Mailing Address: 10852 DOUGLASS RD
ANAHEIM, CA 92806
County Orange

Gepaid: CAD983647959
TSD EPA ID: AZD049318009
Gen County: Orange
Tsd County: 99
Tons: .2000
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Transfer Station
Contact: ORANGE COUNTY PF & RD
Telephone: (714) 834-2457
Mailing Address: 10852 DOUGLASS RD
ANAHEIM, CA 92806
County Orange

SAN UAN CAPISTRANO MAIN. (Continued) **S103654109**

Gepaid: CAD983647959
TSD EPA ID: AZD049318009
Gen County: Orange
Tsd County: 99
Tons: 2.7500
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: ORANGE COUNTY PF & RD
Telephone: (714) 834-2457
Mailing Address: 10852 DOUGLASS RD
ANAHEIM, CA 92806
County Orange

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET record(s) in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

---

1 **SAN UAN CAPISTRANO MAIN. YARD** **LUST** **S102436380**
34102 DEL OBISPO ST **N/A**
DANA POINT, CA 92629

LUST Region 9:
Case Number: 9UT1506
Local Agency: 30000
Substance: 12034
Date Found: 08/22/1986
Date Stopped: / /
Source: Unknown
Lead Agency: Local Agency
Status: Case Closed
Case Type: Soil only
Confirm Date: 12/15/88
Prelim Assess: Not reported
Remed Plan: Not reported
Began Monitor: 10/27/89
Enforce Type: Not reported
Enforce Date: Not reported
Pilot Program: LOP
Basin Number: 901.20
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Beneficial Use: MUN
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

Release Date: 12/15/1988
Qty Leaked: Not reported
How Found: Other Means
How Stopped: Not reported
Cause: Unknown
Submit Workplan: 12/15/88
Desc Pollution: Not reported
Remed Action: Not reported
Closed Date: 10/27/89
Local Case: 87UT229
Gwater Depth: 12'

2 **CANNAN-BART, INC**
25742 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

LUST **S101299413**
Cortese **N/A**

LUST Region 9:

Case Number:	9UT694	Release Date:	01/01/1986
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	/ /	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Close Tank
Source:	Tank	Cause:	Corrosion
Lead Agency:	Local Agency		
Status:	Remedial action (cleanup) Underway		
Case Type:	Drinking Water Aquifer affected		
Abate Method:	Remove Free Product - remove floating product from water table		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	10/16/93	Remed Action:	10/16/93
Began Monitor:	Not reported	Closed Date:	Not reported
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	86UT47
Basin Number:	901.27	Gwater Depth:	11'
File Dispn:	Not reported		
Interim Remedial Actions:	Yes		
Beneficial Use:	MUN		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

CORTESE:

Region:	CORTESE
Fac Address 2:	25742 VICTORIA BLVD

---

2 **CANNON BART INC**
25742 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

LUST **S102426296**
N/A

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT694		
Reg Board:	9		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Other ground water affected		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	5/23/1994 0:00		
Close Date:	05/09/2005		
Release Date:	04/28/1986		
Cleanup Fund Id :	Not reported		
Discover Date :	04/11/1986		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		

CANNON BART INC (Continued) **S102426296**

Staff Initials: JS
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: MUN
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party: JAMES JENNISON
RP Address: 116 NORTH SANTA FE STREET
Global Id: T0605902604
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region OR:
Facility Id: 86UT047
Record ID: RO0001921
Region: ORANGE
Case Type: Other Ground Water
Date Closed: Not reported
Current Status: 8
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

---

3 **ARCO #0447** **HAZNET U003147477**
34342 PACIFIC COAST HWY **LUST N/A**
DANA POINT, CA 92629 **Cortese**

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT3191
Reg Board: 9
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Other ground water affected
Status: Remedial action (cleanup) Underway

ARCO #0447 (Continued) **U003147477**

Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	2/5/1997 0:00		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	03/17/1995		
Cleanup Fund Id :	Not reported		
Discover Date :	01/17/1995		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Inventory Control		
How Stopped:	RPP		
Interim :	Not reported		
Leak Cause:	Corrosion		
Leak Source:	Piping		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MUN		
Staff :	SJP		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	DARRELL FAH		
RP Address:	4 CETERPOINT DRIVE		
Global Id:	T0605902526		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	1		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		
Summary :	Not reported		

ARCO #0447 (Continued) **U003147477**

LUST Region 9:

Case Number:	9UT3191	Release Date:	07/14/1995
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	/ /	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Pollution Characterization		
Case Type:	Drinking Water Aquifer affected		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	7/1/97	Desc Pollution:	7/1/97
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	Not reported	Closed Date:	Not reported
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	95UT16
Basin Number:	901.27	Gwater Depth:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists		

Interim Remedial Actions:	Not reported
Beneficial Use:	MUN
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported
NPDES Number:	Not reported

LUST Region OR:

Facility Id:	95UT016
Record ID:	RO0001319
Region:	ORANGE
Case Type:	Other Ground Water
Date Closed:	Not reported
Current Status:	7
Released Substance :	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

HAZNET:

Gepaid:	CAL000008486
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	2.08
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Contact:	RICHARD DEFFENBAUGH/OWNER
Telephone:	(949) 496-1086
Mailing Address:	34342 PACIFIC COAST HWY DANA POINT, CA 92629 - 2924
County	Not reported

CORTESE:

Region:	CORTESE
Fac Address 2:	34342 PACIFIC COAST HWY

4 **VICTORIA FIELD OFFICE** SLIC S106487031
25842 VICTORIA BOULEVARD N/A
DANA POINT, CA 92624

CA STATE SLIC :

Global Id :	SLT9S0184225
Region :	STATE
Assigned Name :	SLICSITE
Lead Agency Contact :	Not reported
Lead Agency :	Not reported
Lead Agency Case Number :	Not reported
Responsible Party :	South Coast Water District
Recent Dtw :	Not reported
Facility Status :	Not reported
Substance Released :	MTBE, PET

---

4 **JOHN GROTY/SERRA LUMBER** LUST S103866846
25802 VICTORIA BLVD N/A
CAPISTRANO BEACH, CA 92624

LUST Region OR:

Facility Id:	90UT155
Record ID:	RO0000744
Region:	ORANGE
Case Type:	Soil Only
Date Closed:	10/23/1990
Current Status:	9
Released Substance :	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

---

4 **SERRA LUMBER COMPANY** LUST U003778703
25802 VICTORIA BLVD UST N/A
CAPISTRANO BEACH, CA 92624

LUST Region OR:

Facility Id:	90UT050
Record ID:	RO0002090
Region:	ORANGE
Case Type:	Soil Only
Date Closed:	02/28/1991
Current Status:	9
Released Substance :	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

State UST:

Facility ID:	10251
Total Tanks:	1
Region:	STATE
Local Agency:	30000

---

4 **SERRA LUMBER CO.** LUST S102436685
25802 VICTORIA BLVD Cortese N/A
CAPISTRANO BEACH, CA 92629

State LUST:

Cross Street:	Not reported
Qty Leaked:	0
Case Number	9UT1626
Reg Board:	9
Chemical:	Gasoline
Lead Agency:	Local Agency
Local Agency :	30000L

SERRA LUMBER CO. (Continued) **S102436685**

Case Type:	Soil only		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	02/28/1991		
Release Date:	02/14/1990		
Cleanup Fund Id :	Not reported		
Discover Date :	02/14/1990		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MUN		
Staff :	SJP		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	NORM CLOW		
RP Address:	25802 VICTORIA BLVD		
Global Id:	T0605902400		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	1		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		
Summary :	Not reported		
Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT1696		
Reg Board:	9		
Chemical:	Diesel		
Lead Agency:	Local Agency		

SERRA LUMBER CO. (Continued) **S102436685**

Local Agency :	30000L		
Case Type:	Soil only		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	10/23/1990		
Release Date:	05/16/1990		
Cleanup Fund Id :	Not reported		
Discover Date :	06/13/1990		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MUN		
Staff :	SJP		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	JOHN GROTY		
RP Address:	1116 SAN JOSE AVE		
Global Id:	T0605902416		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		
Summary :	Not reported		

SERRA LUMBER CO. (Continued) **S102436685**

LUST Region 9:

Case Number:	9UT1626	Release Date:	03/14/1990
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	02/14/1990	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	3/14/90	Submit Workplan:	3/14/90
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	2/28/91	Closed Date:	2/28/91
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	90UT50
Basin Number:	901.14	Gwater Depth:	Not reported
File Dispn:	File discarded, case closed		
Interim Remedial Actions:	No		
Beneficial Use:	NBN		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

Case Number:	9UT1696	Release Date:	05/16/1990
Local Agency:	30000		
Substance:	12034	Qty Leaked:	Not reported
Date Found:	05/16/1990	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	6/20/90	Submit Workplan:	6/20/90
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	10/23/90	Closed Date:	10/23/90
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	90UT155
Basin Number:	901.14	Gwater Depth:	Not reported
File Dispn:	File discarded, case closed		
Interim Remedial Actions:	No		
Beneficial Use:	Not reported		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

CORTESE:

Region:	CORTESE
Fac Address 2:	25802 VICTORIA BLVD

Region:	CORTESE
Fac Address 2:	25802 VICTORIA BLVD

5 **THRIFTY OIL STN. #390**
34306 PACIFIC COAST HWY
DANA POINT, CA 92629

HIST UST U001576924
N/A

UST HIST:

Facility ID:	4309	Owner Name:	BEST CALIFORNIA GAS, LTD.
Total Tanks:	4	Region:	STATE
Owner Address:	10000 LAKEWOOD BLVD. DOWNEY, CA 90240		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	390-1
Tank Capacity:	00015000	Year Installed:	1982
Type of Fuel:	REGULAR	Tank Construction:	.267 inches
Leak Detection:	Stock Inventor		
Contact Name:	Not reported	Telephone:	(213) 923-9876
Facility Type:	Gas Station	Other Type:	Not reported

Facility ID:	4309	Owner Name:	BEST CALIFORNIA GAS, LTD.
Total Tanks:	4	Region:	STATE
Owner Address:	10000 LAKEWOOD BLVD. DOWNEY, CA 90240		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	390-2
Tank Capacity:	00015000	Year Installed:	1982
Type of Fuel:	UNLEADED	Tank Construction:	.267 inches
Leak Detection:	Stock Inventor		
Contact Name:	Not reported	Telephone:	(213) 923-9876
Facility Type:	Gas Station	Other Type:	Not reported

Facility ID:	4309	Owner Name:	BEST CALIFORNIA GAS, LTD.
Total Tanks:	4	Region:	STATE
Owner Address:	10000 LAKEWOOD BLVD. DOWNEY, CA 90240		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	390-3
Tank Capacity:	00012000	Year Installed:	1982
Type of Fuel:	PREMIUM	Tank Construction:	.267 inches
Leak Detection:	Stock Inventor		
Contact Name:	Not reported	Telephone:	(213) 923-9876
Facility Type:	Gas Station	Other Type:	Not reported

Facility ID:	4309	Owner Name:	BEST CALIFORNIA GAS, LTD.
Total Tanks:	4	Region:	STATE
Owner Address:	10000 LAKEWOOD BLVD. DOWNEY, CA 90240		
Tank Used for:	WASTE		
Tank Num:	4	Container Num:	390-10
Tank Capacity:	00000550	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	12 gauge
Leak Detection:	Stock Inventor		
Contact Name:	Not reported	Telephone:	(213) 923-9876
Facility Type:	Gas Station	Other Type:	Not reported

5 **TOSCO/UNOCAL STATION 3732**
34306 PACIFIC COAST
DANA POINT, CA

HAZNET **S103993561**
Cortese **N/A**

HAZNET:
Gepaid: CAL000046684
TSD EPA ID: CAD028409019
Gen County: Orange
Tsd County: Los Angeles
Tons: .6255
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: (714) 428-6560
Mailing Address: PO BOX 25376
SANTA ANA, CA 92799 - 5376
County Orange

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

Region: CORTESE
Fac Address 2: Not reported

---

5 **THRIFTY SERVICE STATION #390**
34306 PACIFIC COAST HWY
DANA POINT, CA 92629

LUST **S101307744**
N/A

LUST Region 9:
Case Number: 9UT828
Local Agency: 30000
Substance: 12035
Date Found: 10/19/1987
Date Stopped: / /
Source: Unknown
Lead Agency: Local Agency
Status: Case Closed
Case Type: Other ground water affected
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Confirm Date: 12/10/87
Prelim Assess: 11/9/89
Remed Plan: Not reported
Began Monitor: 1/4/96
Enforce Type: Not reported
Enforce Date: Not reported
Pilot Program: LOP
Basin Number: 901.20
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Beneficial Use: NBN
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

Release Date: 10/19/1987
Qty Leaked: Not reported
How Found: Not reported
How Stopped: Not reported
Cause: Unknown
Submit Workplan: 12/10/87
Desc Pollution: 11/9/89
Remed Action: Not reported
Closed Date: 1/4/96
Local Case: 87UT214
Gwater Depth: 10'

5 **DANA POINT UNOCAL (TOSCO #31303)** UST U003939457
34306 PACIFIC COAST HWY N/A
DANA POINT, CA 92629

State UST:
Facility ID: 18687
Total Tanks: 1
Region: STATE
Local Agency: 30000

5 **TOSCO - 76 #7329** LUST S103866876
34306 PACIFIC COAST HWY N/A
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT3828		
Reg Board:	9		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Other ground water affected		
Status:	No Action		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	10/14/1998 0:00	Prelim Assess:	10/14/1998 0:00
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	12/17/1998		
Cleanup Fund Id :	Not reported		
Discover Date :	10/14/1998		
Enforcement Dt :	Not reported		
Enf Type:	OEFA		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	UM		
How Stopped:	Other Means		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MUN		
Staff :	SJP		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	DAN FISCHMAN		
RP Address:	P.O. BOX 25376		

TOSCO - 76 #7329 (Continued) **S103866876**

Global Id: T0605902573
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region OR:
Facility Id: 99UT015
Record ID: RO0001417
Region: ORANGE
Case Type: Other Ground Water
Date Closed: Not reported
Current Status: 5C
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

---

5 **DANA POINT UNOCAL #7329** **CA FID UST** **S101631316**
34306 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

FID:

Facility ID:	30001416	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 248-7039
Mail To:	Not reported 911 WILSHIRE BLVD STE 10 DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

---

5 **TOSCO/UNOCAL STATION 37329** **LUST** **S103723420**
34306 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

TOSCO/UNOCAL STATION 37329 (Continued) **S103723420**

LUST Region 9:

Case Number:	9UT3828	Release Date:	02/24/1999
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	10/14/1998	How Found:	Not reported
Date Stopped:	10/14/1998	How Stopped:	Not reported
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Preliminary site assessment workplan submitted		
Case Type:	Soil only		
Confirm Date:	2/24/99	Submit Workplan:	2/24/99
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	Not reported	Closed Date:	Not reported
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	99UT15
Basin Number:	901.20	Gwater Depth:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists		

Interim Remedial Actions:	Not reported
Beneficial Use:	MUNBU
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported
NPDES Number:	Not reported

---

5 **DANA POINT UNOCAL #7329** **UST U003948873**
34306 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

State UST:

Facility ID:	3700
Total Tanks:	1
Region:	STATE
Local Agency:	30000

---

6 **DANA NIGUEL VETERINARY HOSP** **RCRA-SQG 1000597845**
34249 PACIFIC COAST HWY **FINDS CAD983618778**
DANA POINT, CA 92629

RCRAInfo:

Owner:	GARY JOHNSON (714) 661-6375
EPA ID:	CAD983618778
Contact:	GARY JOHNSON (714) 661-6375
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

DANA NIGUEL VETERINARY HOSP (Continued) **1000597845**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

---

6 **ELEGANT DRY CLEANERS** **RCRA-SQG 1000232751**
34255 PACIFIC COAST HWY **FINDS CAD981985666**
DANA POINT, CA 92629 **CLEANERS**

RCRAInfo:
Owner: KEVIN NGUYEN
(415) 555-1212
EPA ID: CAD981985666
Contact: ENVIRONMENTAL MANAGER
(714) 661-1728
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CA Cleaners:

Inactive Date:	1/1/1995
EPA Id:	CAD981985666
Facility Address 2 :	Not reported
NAICS Code :	Not reported
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34255 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	--
Mailing Address:	--
	--, 99 --
Owner Telephone :	0000000000
Contact Name :	UNDELIVERABLE PER SURVEY
Mailing Address:	12/94 NW
	--, 99 --
Contact Telephone :	--
Region Code :	4
Create Date :	07/03/1987
SIC Description :	Not reported
NAICS Description :	Not reported

---

6 **1X FOCUS CITY** **HAZNET S103947125**
34255 PACIFIC COAST HWY #117 **CLEANERS N/A**
DANA POINT, CA 92627

CA Cleaners:

Inactive Date:	1/1/1995
EPA Id:	CAL000041130
Facility Address 2 :	Not reported
NAICS Code :	Not reported
Facility Active :	No

1X FOCUS CITY (Continued) **S103947125**

Mail Name : Not reported
Mailing Address: 34255 PACIFIC COAST HWY
DANA POINT, CA 92629
Owner Name : ASSASSI NASSI
Mailing Address: --
--, 99 --
Owner Telephone : 0000000000
Contact Name : UNDELIVERABLE PER SURVEY
Mailing Address: 12/94 NW
--, 99 --
Contact Telephone : --
Region Code : 4
Create Date : 02/15/1991
SIC Description : Not reported
NAICS Description : Not reported

HAZNET:
Gepaid: CAD982465809
TSD EPA ID: CAD981402522
Gen County: Orange
Tsd County: Kern
Tons: .2460
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: TAI-YIA CHANG
Telephone: (714) 493-3858
Mailing Address: 34255 PACIFIC COAST HWY STE 11
DANA POINT, CA 92629
County Orange

Gepaid: CAD982465809
TSD EPA ID: CAD981402522
Gen County: Orange
Tsd County: Kern
Tons: .1167
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: TAI-YIA CHANG
Telephone: (714) 493-3858
Mailing Address: 34255 PACIFIC COAST HWY STE 11
DANA POINT, CA 92629
County Orange

Gepaid: CAD982465809
TSD EPA ID: CAD981402522
Gen County: Orange
Tsd County: Kern
Tons: .0875
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: TAI-YIA CHANG
Telephone: (714) 493-3858
Mailing Address: 34255 PACIFIC COAST HWY STE 11
DANA POINT, CA 92629
County Orange

7 **PACIFIC CLEANERS**
34098 PACIFIC COAST HWY
DANA POINT, CA 92629

RCRA-SQG **1000594312**
FINDS **CAD983581307**
HAZNET
CLEANERS

RCRAInfo:
Owner: YONGMIN HUH
(415) 555-1212
EPA ID: CAD983581307

Contact: YONGMIN HUH
(714) 240-2994

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CA Cleaners:

Inactive Date:	6/30/2004
EPA Id:	CAL000189331
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34098 PACIFIC COAST HWY DANA POINT, CA 92629
Owner Name :	CHUNG TAE KIM
Mailing Address:	34098 PACIFIC COAST HWY DANA POINT, CA 92629
Owner Telephone :	9492402994
Contact Name :	CHUNG KIM
Mailing Address:	34098 PACIFIC COAST HWY DANA POINT, CA 92629
Contact Telephone :	7142402994
Region Code :	4
Create Date :	06/02/1998
SIC Description :	Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date:	6/30/2004
EPA Id:	CAL000189331
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34098 PACIFIC COAST HWY DANA POINT, CA 92629
Owner Name :	CHUNG TAE KIM
Mailing Address:	34098 PACIFIC COAST HWY DANA POINT, CA 92629
Owner Telephone :	9492402994
Contact Name :	CHUNG KIM
Mailing Address:	34098 PACIFIC COAST HWY DANA POINT, CA 92629
Contact Telephone :	7142402994
Region Code :	4

PACIFIC CLEANERS (Continued) **1000594312**

Create Date :	06/02/1998
SIC Description :	Power Laundries, Family and Commercial
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)
Inactive Date:	6/30/1999
EPA Id:	CAD983581307
Facility Address 2 :	Not reported
NAICS Code :	Not reported
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34098 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	YONGMIN HUH
Mailing Address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner Telephone :	4155551212
Contact Name :	--
Mailing Address:	INACTIVE PER VQ99 - BMI
	--, 99 --
Contact Telephone :	--
Region Code :	4
Create Date :	05/14/1991
SIC Description :	Not reported
NAICS Description :	Not reported
Inactive Date:	6/30/2004
EPA Id:	CAL000189331
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34098 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	CHUNG TAE KIM
Mailing Address:	34098 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Telephone :	9492402994
Contact Name :	CHUNG KIM
Mailing Address:	34098 PACIFIC COAST HWY
	DANA POINT, CA 92629
Contact Telephone :	7142402994
Region Code :	4
Create Date :	06/02/1998
SIC Description :	Garment Pressing, and Agents for Laundries and Drycleaners
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)
Inactive Date:	6/30/2004
EPA Id:	CAL000189331
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34098 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	CHUNG TAE KIM
Mailing Address:	34098 PACIFIC COAST HWY
	DANA POINT, CA 92629

PACIFIC CLEANERS (Continued) **1000594312**

Owner Telephone : 9492402994
Contact Name : CHUNG KIM
Mailing Address: 34098 PACIFIC COAST HWY
DANA POINT, CA 92629
Contact Telephone : 7142402994
Region Code : 4
Create Date : 06/02/1998
SIC Description : Drycleaning Plants, Except Rug Cleaning
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

HAZNET:
Gepaid: CAD983581307
TSD EPA ID: CAT000613976
Gen County: Orange
Tsd County: Orange
Tons: .1950
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: YONGMIN HUH
Telephone: (415) 555-1212
Mailing Address: 34098 PACIFIC COAST HWY
DANA POINT, CA 92629 - 2729
County Orange

Gepaid: CAD983581307
TSD EPA ID: CAD981397417
Gen County: Orange
Tsd County: Los Angeles
Tons: .8322
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Contact: YONGMIN HUH
Telephone: (415) 555-1212
Mailing Address: 34098 PACIFIC COAST HWY
DANA POINT, CA 92629 - 2729
County Orange

Gepaid: CAD983581307
TSD EPA ID: CAD981375983
Gen County: Orange
Tsd County: 1
Tons: .1793
Waste Category: Solids or sludges with halogenated organic compounds > 1000mg/kg
Disposal Method: Recycler
Contact: YONGMIN HUH
Telephone: (415) 555-1212
Mailing Address: 34098 PACIFIC COAST HWY
DANA POINT, CA 92629 - 2729
County Orange

Gepaid: CAD983581307
TSD EPA ID: CAD981375983
Gen County: Orange
Tsd County: 1
Tons: .2085
Waste Category:
Disposal Method: Recycler
Contact: YONGMIN HUH
Telephone: (415) 555-1212

PACIFIC CLEANERS (Continued) **1000594312**

Mailing Address: 34098 PACIFIC COAST HWY
DANA POINT, CA 92629 - 2729
County Orange

Gepaid: CAD983581307
TSD EPA ID: CAD981397417
Gen County: Orange
Tsd County: Los Angeles
Tons: .9798
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Contact: YONGMIN HUH
Telephone: (415) 555-1212
Mailing Address: 34098 PACIFIC COAST HWY
DANA POINT, CA 92629 - 2729
County Orange

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET record(s) in the EDR Site Report.

---

7 **PERFORMANCE HAUS** **LUST** **S102435092**
34112 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT1681
Reg Board: 9
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 11/14/1990
Release Date: 04/12/1990
Cleanup Fund Id : Not reported
Discover Date : 04/12/1990
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: MAR

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

PERFORMANCE HAUS (Continued) **S102435092**

Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party BERND HARTENSTEIN
RP Address: 34112 PACIFIC COAST HWY
Global Id: T0605902403
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 9:
Case Number: 9UT1681
Local Agency: 30000
Substance: 8006619
Date Found: 04/12/1990
Date Stopped: / /
Source: Unknown
Lead Agency: Local Agency
Status: Case Closed
Case Type: Soil only
Confirm Date: 5/4/90
Prelim Assess: Not reported
Remed Plan: Not reported
Began Monitor: 11/14/90
Enforce Type: Not reported
Enforce Date: Not reported
Pilot Program: LOP
Basin Number: 901.14
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Beneficial Use: NBN
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

Release Date: 04/12/1990
Qty Leaked: Not reported
How Found: Not reported
How Stopped: Not reported
Cause: Unknown
Submit Workplan: 5/4/90
Desc Pollution: Not reported
Remed Action: Not reported
Closed Date: 11/14/90
Local Case: 90UT106
Gwater Depth: UNK

---

7 **PERFORMANCE HAUS** **LUST** **U003782390**
34112 PACIFIC COAST HWY **Cortese** **N/A**
DANA POINT, CA 92629 **UST**

PERFORMANCE HAUS (Continued) **U003782390**

LUST Region OR:
Facility Id: 90UT106
Record ID: RO0001893
Region: ORANGE
Case Type: Soil Only
Date Closed: 11/14/1990
Current Status: 9
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

CORTESE:
Region: CORTESE
Fac Address 2: 34112 PACIFIC COAST HWY

State UST:
Facility ID: 3441
Total Tanks: 1
Region: STATE
Local Agency: 30000

---

7 **ROYAL CLEANERS** **RCRA-SQG 1000594576**
34119 S PACIFIC COAST HWY **FINDS CAD983584178**
DANA POINT, CA 92629 **CLEANERS**

RCRAInfo:
Owner: YONG AND JUNG CHO
(415) 555-1212
EPA ID: CAD983584178

Contact: YONG CHO
(714) 661-0988

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
HAZARDOUS WASTE TRACKING SYSTEM-DATAMART
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CA Cleaners:
Inactive Date: 6/30/1998
EPA Id: CAD983584178
Facility Address 2 : Not reported
NAICS Code : Not reported
Facility Active : No
Mail Name : Not reported
Mailing Address: 34119 PACIFIC COAST HWY # S
DANA POINT, CA 92629
Owner Name : YONG AND JUNG CHO
Mailing Address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner Telephone : 4155551212
Contact Name : NOT REQUIRED
Mailing Address: INACT PER 98VQ FINAL NOTICE
- BATCH 4/27
NOT REQUIRED, ME 99999
Contact Telephone : 4155551212
Region Code : 4
Create Date : 06/03/1991

ROYAL CLEANERS (Continued) **1000594576**

SIC Description : Not reported
NAICS Description : Not reported

Inactive Date: 6/30/1998
EPA Id: CAL000026235
Facility Address 2 : Not reported
NAICS Code : Not reported
Facility Active : No
Mail Name : Not reported
Mailing Address: 34119 PACIFIC COAST HWY # S
DANA POINT, CA 92629
Owner Name : ELCHELKH MOUSTAFA M
Mailing Address: --
--, 99 --
Owner Telephone : 0000000000
Contact Name : --
Mailing Address: INACT PER 98VQ FINAL NOTICE
- BATCH 4/27
--, 99 --
Contact Telephone : --
Region Code : 4
Create Date : 05/10/1990
SIC Description : Not reported
NAICS Description : Not reported

---

7 **ROYAL CLEANERS** **RCRA-SQG 1000685735**
34119 PCH HWY **HAZNET CAD982437758**
DANA POINT, CA 92624 **CLEANERS**

RCRAInfo:
Owner: CHO YONG KOOK
(415) 555-1212
EPA ID: CAD982437758

Contact: ENVIRONMENTAL MANAGER
(714) 661-0988

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

CA Cleaners:
Inactive Date: Not reported
EPA Id: CAD982437758
Facility Address 2 : Not reported
NAICS Code : 81232
Facility Active : Yes
Mail Name : Not reported
Mailing Address: 34119 PACIFIC COAST HWY
DANA POINT, CA 92629
Owner Name : SUN LIN CHOE
Mailing Address: 34119 PACIFIC COAST HWY
DANA POINT, CA 92629
Owner Telephone : 9496610988
Contact Name : NOT REQUIRED
Mailing Address: 34119 PACIFIC COAST HWY
DANA POINT, CA 92629
Contact Telephone : 9496610988
Region Code : 4

ROYAL CLEANERS (Continued) **1000685735**

Create Date :	03/20/1991
SIC Description :	Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)
Inactive Date:	Not reported
EPA Id:	CAD982437758
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	Yes
Mail Name :	Not reported
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	SUN LIN CHOE
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Telephone :	9496610988
Contact Name :	NOT REQUIRED
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Contact Telephone :	9496610988
Region Code :	4
Create Date :	03/20/1991
SIC Description :	Power Laundries, Family and Commercial
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)
Inactive Date:	Not reported
EPA Id:	CAD982437758
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	Yes
Mail Name :	Not reported
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	SUN LIN CHOE
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Telephone :	9496610988
Contact Name :	NOT REQUIRED
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Contact Telephone :	9496610988
Region Code :	4
Create Date :	03/20/1991
SIC Description :	Garment Pressing, and Agents for Laundries and Drycleaners
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)
Inactive Date:	6/30/1998
EPA Id:	CAL000016149
Facility Address 2 :	Not reported
NAICS Code :	Not reported
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	MOUSTOTOC ELCHIHN
Mailing Address:	--
	--, 99 --

ROYAL CLEANERS (Continued) **1000685735**

Owner Telephone :	0000000000
Contact Name :	--
Mailing Address:	INACT PER 98VQ FINAL NOTICE - BATCH 4/27 --, 99 --
Contact Telephone :	--
Region Code :	4
Create Date :	11/14/1989
SIC Description :	Not reported
NAICS Description :	Not reported
Inactive Date:	6/30/1998
EPA Id:	CAL000025977
Facility Address 2 :	Not reported
NAICS Code :	Not reported
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34119 PACIFIC COAST HWY DANA POINT, CA 92629
Owner Name :	MUSTAFA ELCHEIKH
Mailing Address:	-- --, 99 --
Owner Telephone :	0000000000
Contact Name :	--
Mailing Address:	INACT PER 98VQ FINAL NOTICE - BATCH 4/27 --, 99 --
Contact Telephone :	--
Region Code :	4
Create Date :	05/10/1990
SIC Description :	Not reported
NAICS Description :	Not reported
Inactive Date:	6/30/1998
EPA Id:	CAL000036249
Facility Address 2 :	Not reported
NAICS Code :	Not reported
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34119 PACIFIC COAST HWY DANA POINT, CA 92629
Owner Name :	CHO YONG K
Mailing Address:	-- --, 99 --
Owner Telephone :	0000000000
Contact Name :	--
Mailing Address:	INACT PER 98VQ FINAL NOTICE - BATCH 4/27 --, 99 --
Contact Telephone :	--
Region Code :	4
Create Date :	07/05/1990
SIC Description :	Not reported
NAICS Description :	Not reported
Inactive Date:	6/30/1998
EPA Id:	CAL000046861

ROYAL CLEANERS (Continued) **1000685735**

Facility Address 2 :	Not reported
NAICS Code :	Not reported
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	JUNG JA CHO
Mailing Address:	--
	--, 99 --
Owner Telephone :	0000000000
Contact Name :	--
Mailing Address:	INACT PER 98VQ FINAL NOTICE
	- BATCH 4/27
	--, 99 --
Contact Telephone :	--
Region Code :	4
Create Date :	02/15/1991
SIC Description :	Not reported
NAICS Description :	Not reported
Inactive Date:	Not reported
EPA Id:	CAD982437758
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	Yes
Mail Name :	Not reported
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Name :	SUN LIN CHOE
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Owner Telephone :	9496610988
Contact Name :	NOT REQUIRED
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629
Contact Telephone :	9496610988
Region Code :	4
Create Date :	03/20/1991
SIC Description :	Drycleaning Plants, Except Rug Cleaning
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)

HAZNET:

Gepaid:	CAD982437758
TSD EPA ID:	CAD981375983
Gen County:	Orange
Tsd County:	1
Tons:	.1333
Waste Category:	Solids or sludges with halogenated organic compounds > 1000mg/kg
Disposal Method:	Recycler
Contact:	SUN LIN CHOE
Telephone:	(415) 555-1212
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629 - 2700
County	Orange

ROYAL CLEANERS (Continued) **1000685735**

Gepaid:	CAD982437758
TSD EPA ID:	AZD009015389
Gen County:	Orange
Tsd County:	99
Tons:	.0000
Waste Category:	
Disposal Method:	Recycler
Contact:	SUN LIN CHOE
Telephone:	(415) 555-1212
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629 - 2700
County	Orange

Gepaid:	CAD982437758
TSD EPA ID:	AZD009015389
Gen County:	Orange
Tsd County:	99
Tons:	.0834
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Recycler
Contact:	SUN LIN CHOE
Telephone:	(415) 555-1212
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629 - 2700
County	Orange

Gepaid:	CAD982437758
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	0.12
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Not reported
Contact:	NOT REQUIRED
Telephone:	(949) 661-0988
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629 - 2700
County	Not reported

Gepaid:	CAD982437758
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	0
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Not reported
Contact:	NOT REQUIRED
Telephone:	(949) 661-0988
Mailing Address:	34119 PACIFIC COAST HWY
	DANA POINT, CA 92629 - 2700
County	Not reported

Click this hyperlink while viewing on your computer to access
4 additional CA HAZNET record(s) in the EDR Site Report.

Map ID Direction Distance Distance (ft.)	Site	Database(s)	EDR ID Number EPA ID Number
7	**RUBENS IMPORTS** **34134 PACIFIC COAST HWY** **DANA POINT, CA 92629**	**UST**	**U003782846** **N/A**

State UST:
Facility ID: 4450
Total Tanks: 1
Region: STATE
Local Agency: 30000

7	**RU BENZ IMPORTS** **34134 PACIFIC COAST HWY** **DANA POINT, CA 92629**	**RCRA-SQG** **FINDS** **HAZNET**	**1000820578** **CAD983666413**

RCRAInfo:
Owner: RUBENS IMPORTS INC
(714) 493-5050
EPA ID: CAD983666413

Contact: ANTONIO RUBEN
(714) 493-5050

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
HAZARDOUS WASTE TRACKING SYSTEM-DATAMART
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

HAZNET:
Gepaid: CAD983666413
TSD EPA ID: CAD028409019
Gen County: Orange
Tsd County: Los Angeles
Tons: 1.1259
Waste Category: Tank bottom waste
Disposal Method: Treatment, Tank
Contact: ANTONIO GIOSA
Telephone: (949) 493-5050
Mailing Address: 34134 PACIFIC COAST HWY
DANA POINT, CA 92629
County Orange

Gepaid: CAD983666413
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: Los Angeles
Tons: 0.8
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: J.P. BONETTO
Telephone: (949) 493-5050
Mailing Address: 34134 PACIFIC COAST HWY
DANA POINT, CA 92629
County Not reported

7 **RUBEN'S IMPORTS** **LUST** **S103444543**
34134 PACIFIC COAST HWY **Cortese** **N/A**
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT3781		
Reg Board:	9		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Soil only		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	12/17/1999		
Release Date:	11/30/1998		
Cleanup Fund Id :	Not reported		
Discover Date :	11/30/1998		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MUN		
Staff :	SJP		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	RUBEN GIOSA		
RP Address:	34134 PACIFIC COAST HWY		
Global Id:	T0605902569		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		

RUBEN'S IMPORTS (Continued) **S103444543**

Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 9:

Case Number:	9UT3781	Release Date:	11/10/1998
Local Agency:	30000		
Substance:	12034	Qty Leaked:	Not reported
Date Found:	11/10/1998	How Found:	Not reported
Date Stopped:	11/10/1998	How Stopped:	Not reported
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	12/17/98	Submit Workplan:	12/17/98
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	12/17/99	Closed Date:	12/17/99
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	98UT107
Basin Number:	901.27	Gwater Depth:	Not reported

File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Beneficial Use: BU
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

LUST Region OR:

Facility Id:	98UT107
Record ID:	RO0001340
Region:	ORANGE
Case Type:	Soil Only
Date Closed:	12/17/1999
Current Status:	9
Released Substance :	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

CORTESE:

Region:	CORTESE
Fac Address 2:	34134 PACIFIC COAST HWY

---

7 **RUBENS IMPORTS** **CA FID UST** **S101631318**
34134 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

FID:

Facility ID:	30010828	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 493-5050
Mail To:	Not reported 34134 PACIFIC COAST HWY DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

7 **GEORGE'S IMPORTS** HIST UST U001576917
34134 PACIFIC COAST HWY N/A
DANA POINT, CA 92629

UST HIST:

Facility ID:	68525	Owner Name:	GEORGE'S FOREIGN CAR SERVICE,
Total Tanks:	2	Region:	STATE
Owner Address:	34134 PACIFIC COAST HIGHWAY DANA POINT, CA 92629		
Tank Used for:	WASTE		
Tank Num:	1	Container Num:	1
Tank Capacity:	00000500	Year Installed:	1978
Type of Fuel:	5	Tank Construction:	X inches
Leak Detection:	Stock Inventor		
Contact Name:	JORGE F. DI MARTINO	Telephone:	(714) 493-5050
Facility Type:	Other	Other Type:	IMPORTS

Facility ID:	68525	Owner Name:	GEORGE'S FOREIGN CAR SERVICE,
Total Tanks:	2	Region:	STATE
Owner Address:	34134 PACIFIC COAST HIGHWAY DANA POINT, CA 92629		
Tank Used for:	WASTE		
Tank Num:	2	Container Num:	2
Tank Capacity:	00000500	Year Installed:	1978
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	JORGE F. DI MARTINO	Telephone:	(714) 493-5050
Facility Type:	Other	Other Type:	IMPORTS

7 **GEORGE'S IMPORTSS** HIST UST U001576918
34134 PACIFIC COAST HWY N/A
DANA POINT, CA 92629

UST HIST:

Facility ID:	24180	Owner Name:	GEORGE'S FOREIGN CAR SERVICE
Total Tanks:	1	Region:	STATE
Owner Address:	34134 PACIFIC COAST HWY DANA POINT, CA 92629		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00010000	Year Installed:	1978
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	T. DIMARTINO	Telephone:	(714) 493-5050
Facility Type:	Gas Station	Other Type:	Not reported

7 **DANA POINT CHEVRON #9-7460** UST U003985746
34164 PACIFIC COAST HWY N/A
DANA POINT, CA 92629

UST Orange County:

Facility ID:	FA0024908
Region:	ORANGE

7 **CHEVRON SERVICE STATION #** **HAZNET U003659629**
34164 PACIFIC COAST **Cortese N/A**
DANA POINT, CA 92629

HAZNET:

Gepaid:	CAL000050115
TSD EPA ID:	CAD008302903
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method:	Recycler
Contact:	WALTER PORTER
Telephone:	(000) 000-0000
Mailing Address:	34164 PACIFIC COAST HWY DANA POINT, CA 92629 - 2812
County	Orange

Gepaid:	CAL920973243
TSD EPA ID:	CAD982484933
Gen County:	Orange
Tsd County:	7
Tons:	2.5000
Waste Category:	Empty containers less than 30 gallons
Disposal Method:	Recycler
Contact:	CHEVRON USA
Telephone:	(000) 000-0000
Mailing Address:	34164 PACIFIC COAST HWY DANA POINT, CA 92629
County	Orange

Gepaid:	CAL920973243
TSD EPA ID:	CAD008302903
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	.3127
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Transfer Station
Contact:	CHEVRON USA
Telephone:	(000) 000-0000
Mailing Address:	34164 PACIFIC COAST HWY DANA POINT, CA 92629
County	Orange

Gepaid:	CAL000050115
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	0.75
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Recycler
Contact:	WALTER O PORTER OWNER
Telephone:	(714) 496-9565
Mailing Address:	34164 PACIFIC COAST HWY DANA POINT, CA 92629 - 2812
County	Not reported

CORTESE:

Region:	CORTESE
Fac Address 2:	Not reported

7 **CHEVRON SERVICE STATION #7460** LUST S101299507
34164 PACIFIC COAST HWY N/A
DANA POINT, CA 92629

LUST Region 9:

Case Number:	9UT259	Release Date:	02/01/1987
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	03/10/1987	How Found:	Tank Closure
Date Stopped:	03/10/1987	How Stopped:	New Tank
Source:	Tank	Cause:	Overfill
Lead Agency:	Local Agency		
Status:	Remedial action (cleanup) Underway		
Case Type:	Other ground water affected		
Abate Method:	Vapor Extraction		
Confirm Date:	7/20/87	Submit Workplan:	7/20/87
Prelim Assess:	1/1/93	Desc Pollution:	1/1/93
Remed Plan:	1/1/92	Remed Action:	1/1/92
Began Monitor:	Not reported	Closed Date:	Not reported
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	87UT52
Basin Number:	901.14	Gwater Depth:	19'
File Dispn:	File discarded, case closed		
Interim Remedial Actions:	Yes		
Beneficial Use:	NBN		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

8 **DANA POINT SHELL (1998-0105)** CA FID UST U002096032
34137 PACIFIC COAST HWY N/A
DANA POINT, CA 92629

FID:

Facility ID:	30005684	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 496-2090
Mail To:	Not reported P O BOX DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

8 **SHELL SERVICE STATION** LUST S102437295
34137 PACIFIC COAST HWY Cortese N/A
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported
Qty Leaked:	0
Case Number	Not reported
Reg Board:	9
Chemical:	Gasoline
Lead Agency:	Local Agency
Local Agency :	30000L

SHELL SERVICE STATION (Continued) **S102437295**

Case Type: Undefined
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 03/04/2005
Release Date: 05/27/2003
Cleanup Fund Id : Not reported
Discover Date : 05/20/2003
Enforcement Dt : Not reported
Enf Type: SEL
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Tank Closure
How Stopped: New Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: MUN
Staff : BSP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party MARVIN KATZ
RP Address: 20945 S. WILMINGTON AVE
Global Id: T0605985053
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

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

SHELL SERVICE STATION (Continued) **S102437295**

LUST Region 9:

Case Number:	9UT487	Release Date:	01/24/1986
Local Agency:	30000		
Substance:	12035	Qty Leaked:	5
Date Found:	12/20/1985	How Found:	Other Means
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	1/24/86	Submit Workplan:	1/24/86
Prelim Assess:	1/22/87	Desc Pollution:	1/22/87
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	7/23/87	Closed Date:	7/23/87
Enforce Type:	SEL		
Enforce Date:	5/9/86		
Pilot Program:	LOP	Local Case:	86UT6
Basin Number:	901.14	Gwater Depth:	40'
File Dispn:	File discarded, case closed		
Interim Remedial Actions:	No		
Beneficial Use:	Not reported		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

LUST Region OR:

Facility Id:	03UT039
Record ID:	RO0003234
Region:	ORANGE
Case Type:	Soil Only
Date Closed:	Not reported
Current Status:	3B
Released Substance :	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

CORTESE:

Region:	CORTESE
Fac Address 2:	34137 PACIFIC COAST HWY

---

8 **DANA POINT SHELL (1998-0105)** **UST U003976766**
34137 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

State UST:

Facility ID:	19451
Total Tanks:	1
Region:	STATE
Local Agency:	30000

Facility ID:	4451
Total Tanks:	1
Region:	STATE
Local Agency:	30000

8 **SHELL SERVICE STATION** **LUST 1000288327**
34137 PACIFIC COAST HIGHWAY **RCRA-LQG CAD980887152**
DANA POINT, CA 92629

RCRAInfo:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD980887152

Contact: Not reported

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT487
Reg Board: 9
Chemical: Waste Oil
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Undefined
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 12/23/1986
Release Date: 01/01/1965
Cleanup Fund Id : Not reported
Discover Date : 01/01/1965
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: MUN
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999

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

SHELL SERVICE STATION (Continued) **1000288327**

Work Suspended :Not reported
Responsible PartyFRANK FOSSATI
RP Address: P O BOX 4848
Global Id: T0605902590
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region OR:
Facility Id: 86UT006
Record ID: RO0001101
Region: ORANGE
Case Type: Undetermined
Date Closed: 12/23/1986
Current Status: 9
Released Substance : Waste oil/Used oil

---

8 **DANA POINT SHELL (1998-0105)** **UST** **U003984122**
34137 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

UST Orange County:
Facility ID: FA0024804
Region: ORANGE

---

8 **RONALD/SEPHEN OETGER** **HIST UST** **U001576922**
34137 PACIFIC COAST HWY **N/A**
DANA POINT, CA 92629

UST HIST:
Facility ID: 9837
Total Tanks: 4
Owner Address: P.O. BOX 4848
ANAHEIM, CA 92803
Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00000550
Type of Fuel: WASTE OIL
Leak Detection: Stock Inventor
Contact Name: SAME
Facility Type: Gas Station

Owner Name: SHELL OIL COMPANY
Region: STATE

Container Num: 1
Year Installed: 1964
Tank Construction: 12 gauge

Telephone: 501
Other Type: Not reported

Facility ID: 9837
Total Tanks: 4
Owner Address: P.O. BOX 4848
ANAHEIM, CA 92803
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00010000

Owner Name: SHELL OIL COMPANY
Region: STATE

Container Num: 2
Year Installed: 1981

RONALD/SEPHEN OETGER (Continued) **U001576922**

Type of Fuel: UNLEADED
Leak Detection: Stock Inventor, GW Monitoring Well
Contact Name: SAME
Facility Type: Gas Station
Tank Construction: 1/4 inches
Telephone: 501
Other Type: Not reported

Facility ID: 9837
Total Tanks: 4
Owner Address: P.O. BOX 4848
ANAHEIM, CA 92803
Tank Used for: PRODUCT
Owner Name: SHELL OIL COMPANY
Region: STATE

Tank Num: 3
Tank Capacity: 00010000
Type of Fuel: REGULAR
Leak Detection: Stock Inventor, GW Monitoring Well
Contact Name: SAME
Facility Type: Gas Station
Container Num: 3
Year Installed: 1981
Tank Construction: 1/4 inches
Telephone: 501
Other Type: Not reported

Facility ID: 9837
Total Tanks: 4
Owner Address: P.O. BOX 4848
ANAHEIM, CA 92803
Tank Used for: PRODUCT
Owner Name: SHELL OIL COMPANY
Region: STATE

Tank Num: 4
Tank Capacity: 00010000
Type of Fuel: PREMIUM
Leak Detection: Stock Inventor, GW Monitoring Well
Contact Name: SAME
Facility Type: Gas Station
Container Num: 4
Year Installed: 1981
Tank Construction: 1/4 inches
Telephone: 501
Other Type: Not reported

---

9 **WORLD ONE HOUR PHOTO** **RCRA-SQG 1000278386**
24833 DEL PRADO ST **FINDS CAD981640485**
DANA POINT, CA 92629 **HAZNET**

RCRAInfo:
Owner: ROBERT TUCKER
(415) 555-1212
EPA ID: CAD981640485
Contact: ENVIRONMENTAL MANAGER
(714) 496-0922
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

HAZNET:
Gepaid: CAD981640485
TSD EPA ID: CAD981402522
Gen County: Orange
Tsd County: Kern
Tons: .0110
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: WORLD ONE HOUR PHOTO
Telephone: (714) 496-0922

WORLD ONE HOUR PHOTO (Continued) **1000278386**

Mailing Address: 24833 DEL PRADO
DANA POINT, CA 92629 - 2852
County Orange

Gepaid: CAD981640485
TSD EPA ID: CAD982524613
Gen County: Orange
Tsd County: Orange
Tons: 1.0633
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: WORLD ONE HOUR PHOTO
Telephone: (714) 496-0922
Mailing Address: 24833 DEL PRADO
DANA POINT, CA 92629 - 2852
County Orange

---

9 **LANTERN BAY CLEANERS** **RCRA-SQG** **1000403085**
24839 DEL PRADO **FINDS** **CAD981966302**
DANA POINT, CA 92629 **HAZNET**
Orange Co. Industrial Site
CLEANERS
EMI

RCRAInfo:
Owner: ARTIN ASIK
(714) 240-6729
EPA ID: CAD981966302

Contact: ARTIN ASIK
(714) 240-6729

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CA Cleaners:
Inactive Date: 6/30/2003
EPA Id: CAD981966302
Facility Address 2 : Not reported
NAICS Code : 81232
Facility Active : No
Mail Name : Not reported
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Name : MICHAEL & ELIZABETH TERRY
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Telephone : 9492406729
Contact Name : MICHAEL TERRY/OWNER
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Contact Telephone : 9492406729
Region Code : 4
Create Date : 07/03/1987
SIC Description : Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)

LANTERN BAY CLEANERS (Continued) **1000403085**

NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date: 6/30/2003
EPA Id: CAD981966302
Facility Address 2 : Not reported
NAICS Code : 81232
Facility Active : No
Mail Name : Not reported
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Name : MICHAEL & ELIZABETH TERRY
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Telephone : 9492406729
Contact Name : MICHAEL TERRY/OWNER
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Contact Telephone : 9492406729
Region Code : 4
Create Date : 07/03/1987
SIC Description : Power Laundries, Family and Commercial
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date: 6/30/2003
EPA Id: CAD981966302
Facility Address 2 : Not reported
NAICS Code : 81232
Facility Active : No
Mail Name : Not reported
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Name : MICHAEL & ELIZABETH TERRY
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Telephone : 9492406729
Contact Name : MICHAEL TERRY/OWNER
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Contact Telephone : 9492406729
Region Code : 4
Create Date : 07/03/1987
SIC Description : Garment Pressing, and Agents for Laundries and Drycleaners
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date: 6/30/2003
EPA Id: CAD981966302
Facility Address 2 : Not reported
NAICS Code : 81232
Facility Active : No
Mail Name : Not reported
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Name : MICHAEL & ELIZABETH TERRY
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Owner Telephone : 9492406729
Contact Name : MICHAEL TERRY/OWNER

LANTERN BAY CLEANERS (Continued) **1000403085**

Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
Contact Telephone : 9492406729
Region Code : 4
Create Date : 07/03/1987
SIC Description : Drycleaning Plants, Except Rug Cleaning
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

HAZNET:

Gepaid: CAD981966302
TSD EPA ID: CAT000613976
Gen County: Orange
Tsd County: Orange
Tons: .3250
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: MICHAEL & ELIZABETH TERRY
Telephone: (949) 240-6729
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
County Orange

Gepaid: CAD981966302
TSD EPA ID: CAD981397417
Gen County: Orange
Tsd County: Los Angeles
Tons: .4547
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Contact: MICHAEL & ELIZABETH TERRY
Telephone: (949) 240-6729
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
County Orange

Gepaid: CAD981966302
TSD EPA ID: CAD981397417
Gen County: Orange
Tsd County: Los Angeles
Tons: 1.6519
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Contact: MICHAEL & ELIZABETH TERRY
Telephone: (949) 240-6729
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
County Orange

Gepaid: CAD981966302
TSD EPA ID: CAT000613976
Gen County: Orange
Tsd County: Orange
Tons: .3425
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: MICHAEL & ELIZABETH TERRY
Telephone: (949) 240-6729
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629

LANTERN BAY CLEANERS (Continued) **1000403085**

County Orange

Gepaid: CAD981966302
TSD EPA ID: CAD981397417
Gen County: Orange
Tsd County: Los Angeles
Tons: .8428
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Not reported
Contact: MICHAEL & ELIZABETH TERRY
Telephone: (949) 240-6729
Mailing Address: 24839 DEL PRADO
DANA POINT, CA 92629
County Orange

Click this hyperlink while viewing on your computer to access
4 additional CA HAZNET record(s) in the EDR Site Report.

Industrial Site:
Case ID: 97IC050
Record ID: RO0000622
Region: ORANGE
Released Chemical: PERCHLOROETHYLENE
Current Status: CLOSED
Closure Type: 1/6/1998

EMISSIONS :
Year : 1987
Facility ID : 56440
Air District Code : SC
SIC Code : 7216
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 30
County ID : 30
Total Organic Hydrocarbon Gases Tons/Yr: 1.10000000
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 and Smaller Tons/Yr : 0

Year : 1990
Facility ID : 56440
Air District Code : SC
SIC Code : 7216
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 30
County ID : 30
Total Organic Hydrocarbon Gases Tons/Yr: 0.70000000
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

LANTERN BAY CLEANERS (Continued) **1000403085**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr : 0
Part. Matter 10 Micrometers and Smaller Tons/Yr : 0

---

10 **NORTHERN TRUST CO** **LUST U003778714**
34091 PACIFIC COAST HWY **UST N/A**
DANA POINT, CA 92629

LUST Region OR:
Facility Id: 89UT039
Record ID: RO0001785
Region: ORANGE
Case Type: Soil Only
Date Closed: 10/19/1989
Current Status: 9
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Facility Id: 89UT039
Record ID: RO0001785
Region: ORANGE
Case Type: Soil Only
Date Closed: 10/19/1989
Current Status: 9
Released Substance : Waste oil/Used oil

State UST:
Facility ID: 10290
Total Tanks: 1
Region: STATE
Local Agency: 30000

---

10 **NORTHERN TRUST COMPANY** **LUST S102434464**
34091 PACIFIC COAST HWY **Cortese N/A**
DANA POINT, CA 92629

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT1352
Reg Board: 9
Chemical: 12035800661
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 10/19/1989
Release Date: 02/14/1989
Cleanup Fund Id : Not reported
Discover Date : 02/14/1989
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS

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

NORTHERN TRUST COMPANY (Continued) **S102434464**

How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: MAR
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party BILL BRINCKLOE
RP Address: 1 NEWPORT PL -1000
Global Id: T0605902380
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

NORTHERN TRUST COMPANY (Continued) **S102434464**

LUST Region 9:

Case Number:	9UT1352	Release Date:	03/20/1989
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	02/14/1989	How Found:	Other Means
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Other ground water affected		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	3/20/89	Submit Workplan:	3/20/89
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	10/19/89	Closed Date:	10/19/89
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	89UT39
Basin Number:	901.14	Gwater Depth:	4'
File Dispn:	File discarded, case closed		
Interim Remedial Actions:	Yes		
Beneficial Use:	NBN		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

CORTESE:

Region:	CORTESE
Fac Address 2:	34091 PACIFIC COAST HWY

---

11 **SOUTHERN CALIF GAS CO** **UST U003783329**
34271 DEL OBISPO ST **N/A**
DANA POINT, CA 92629

State UST:

Facility ID:	5052
Total Tanks:	1
Region:	STATE
Local Agency:	30000

---

11 **SO CALI GAS CO/DANA POINT STATION** **RCRA-SQG 1000167607**
34271 S DEL OBISPO ST **FINDS CAD981423163**
DANA POINT, CA 92629

RCRAInfo:

Owner:	SO CALIFORNIA GAS CO (415) 555-1212
EPA ID:	CAD981423163
Contact:	ENVIRONMENTAL MANAGER (213) 689-3075
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

SO CALI GAS CO/DANA POINT STATION (Continued) **1000167607**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

---

11 **SOUTHERN CALIFORNIA GAS CO** **LUST** **S102437824**
34271 DEL OBISPO ST **Cortese** **N/A**
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT1356		
Reg Board:	9		
Chemical:	Waste Oil		
Lead Agency:	Regional Board		
Local Agency :	Not reported		
Case Type:	Drinking Water Aquifer affected		
Status:	Case Closed		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	8/16/1988 0:00	Prelim Assess:	8/16/1988 0:00
Pollution Char:	10/25/1988 0:00	Remed Plan:	10/25/1988 0:00
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	05/22/1989		
Release Date:	10/26/1988		
Cleanup Fund Id :	Not reported		
Discover Date :	12/01/1987		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	7/5/1989 0:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	OM		
How Stopped:	Not reported		
Interim :	Yes		
Leak Cause:	UNK		
Leak Source:	UNK		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	Not reported		
Staff :	SJP		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	SAN JUAN VALLEY (9-1		
Operator :	SOUTHERN CALIFORNIA GAS CO		
Oversight Prgm:	LUST		
Review Date :	6/23/1993 0:00		
Stop Date :	12/01/1987		
Work Suspended :	Not reported		
Responsible Party	SOUTHERN CA GAS COMPANY		

SOUTHERN CALIFORNIA GAS CO (Continued) **S102437824**

RP Address: BOX 3249 TERMINAL ANNEX, LOS ANGELES, CA 90051
Global Id: T0605902383
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : IN CALL TO JIM STROZIER OF 05/22/89, ORANGE COUNTY HEALTH CARE AGENCY CLOSED CASE, HE DID NOT HAVE DATE OF CLOSURE OR THE CASE NUMBER ASSIGNED BY THE COUNTY, SOME SOIL TAKEN OFFSITE MUN B/E

LUST Region 9:

Case Number:	9UT1356	Release Date:	10/26/1988
Local Agency:	30000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	12/01/1987	How Found:	Other Means
Date Stopped:	12/01/1987	How Stopped:	Other Means
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Drinking Water Aquifer affected		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	5/22/89	Closed Date:	5/22/89
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	NONE7
Basin Number:	901.20	Gwater Depth:	Not reported
File Dispn:	File discarded, case closed		

Interim Remedial Actions: Yes
Beneficial Use: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

---

11 **DANA POINT** **HIST UST** **U001576911**
34271 DEL OBISPO ST **N/A**
DANA POINT, CA 92629

UST HIST:

Facility ID:	7542	Owner Name:	SOUTHERN CALIF. GAS COMPANY
Total Tanks:	3	Region:	STATE
Owner Address:	BOX 3249 TERMINAL ANNEX LOS ANGELES, CA 90051		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	TSBU300
Tank Capacity:	00003000	Year Installed:	1952
Type of Fuel:	1	Tank Construction:	Not Reported
Leak Detection:	Visual		

DANA POINT (Continued) **U001576911**

Contact Name:	ABBOTT, G. T.	Telephone:	(213) 823-7945
Facility Type:	Other	Other Type:	PUBLIC UTILITY
Facility ID:	7542	Owner Name:	SOUTHERN CALIF. GAS COMPANY
Total Tanks:	3	Region:	STATE
Owner Address:	BOX 3249 TERMINAL ANNEX LOS ANGELES, CA 90051		
Tank Used for:	WASTE		
Tank Num:	2	Container Num:	TSBU301
Tank Capacity:	00000700	Year Installed:	1945
Type of Fuel:	5	Tank Construction:	6 inches
Leak Detection:	Visual		
Contact Name:	ABBOTT, G. T.	Telephone:	(213) 823-7945
Facility Type:	Other	Other Type:	PUBLIC UTILITY
Facility ID:	7542	Owner Name:	SOUTHERN CALIF. GAS COMPANY
Total Tanks:	3	Region:	STATE
Owner Address:	BOX 3249 TERMINAL ANNEX LOS ANGELES, CA 90051		
Tank Used for:	WASTE		
Tank Num:	3	Container Num:	TSBU302
Tank Capacity:	00000700	Year Installed:	1945
Type of Fuel:	5	Tank Construction:	6 inches
Leak Detection:	Visual		
Contact Name:	ABBOTT, G. T.	Telephone:	(213) 823-7945
Facility Type:	Other	Other Type:	PUBLIC UTILITY
Facility ID:	7543	Owner Name:	SOUTHERN CALIF. GAS COMPANY
Total Tanks:	1	Region:	STATE
Owner Address:	BOX 3249 TERMINAL ANNEX LOS ANGELES, CA 90051		
Tank Used for:	WASTE		
Tank Num:	1	Container Num:	TSBU303
Tank Capacity:	00000700	Year Installed:	1945
Type of Fuel:	5	Tank Construction:	6 inches
Leak Detection:	Visual		
Contact Name:	G. T. ABBOTT	Telephone:	(213) 823-7495
Facility Type:	Other	Other Type:	PUBLIC UTILITY

---

12 **MARTINIZING CLEANERS** **RCRA-SQG 1001967610**
24502 DEL PRADO UNIT B **FINDS CAR000071092**
DANA POINT, CA 92629 **HAZNET**
CLEANERS

RCRAInfo:

Owner:	TAYCO INC (949) 489-8426
EPA ID:	CAR000071092
Contact:	STUART TAYLOR (949) 489-8426
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

MARTINIZING CLEANERS (Continued) **1001967610**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CA Cleaners:

Inactive Date:	Not reported
EPA Id:	CAL000267630
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	Yes
Mail Name :	Not reported
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Name :	RAKESH PATEL
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Telephone :	9494898426
Contact Name :	RAKESH PATEL
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Contact Telephone :	9494898426
Region Code :	4
Create Date :	03/13/2003
SIC Description :	Drycleaning Plants, Except Rug Cleaning
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date:	6/30/2003
EPA Id:	CAR000071092
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Name :	MARTINIZING CLEANERS
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Telephone :	9494898426
Contact Name :	STUART TAYLOR
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Contact Telephone :	9494898426
Region Code :	4
Create Date :	04/24/2002
SIC Description :	Drycleaning Plants, Except Rug Cleaning
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date:	Not reported
EPA Id:	CAL000267630
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	Yes
Mail Name :	Not reported
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629

MARTINIZING CLEANERS (Continued) **1001967610**

Owner Name : RAKESH PATEL
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Owner Telephone : 9494898426
Contact Name : RAKESH PATEL
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Contact Telephone : 9494898426
Region Code : 4
Create Date : 03/13/2003
SIC Description : Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date: 6/30/2003
EPA Id: CAR000071092
Facility Address 2 : Not reported
NAICS Code : 81232
Facility Active : No
Mail Name : Not reported
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Owner Name : MARTINIZING CLEANERS
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Owner Telephone : 9494898426
Contact Name : STUART TAYLOR
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Contact Telephone : 9494898426
Region Code : 4
Create Date : 04/24/2002
SIC Description : Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date: Not reported
EPA Id: CAL000267630
Facility Address 2 : Not reported
NAICS Code : 81232
Facility Active : Yes
Mail Name : Not reported
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Owner Name : RAKESH PATEL
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Owner Telephone : 9494898426
Contact Name : RAKESH PATEL
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
Contact Telephone : 9494898426
Region Code : 4
Create Date : 03/13/2003
SIC Description : Power Laundries, Family and Commercial
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date: 6/30/2003
EPA Id: CAR000071092

MARTINIZING CLEANERS (Continued) **1001967610**

Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Name :	MARTINIZING CLEANERS
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Telephone :	9494898426
Contact Name :	STUART TAYLOR
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Contact Telephone :	9494898426
Region Code :	4
Create Date :	04/24/2002
SIC Description :	Power Laundries, Family and Commercial
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date:	Not reported
EPA Id:	CAL000267630
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	Yes
Mail Name :	Not reported
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Name :	RAKESH PATEL
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Telephone :	9494898426
Contact Name :	RAKESH PATEL
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Contact Telephone :	9494898426
Region Code :	4
Create Date :	03/13/2003
SIC Description :	Garment Pressing, and Agents for Laundries and Drycleaners
NAICS Description :	Drycleaning and Laundry Services (except Coin-Operated)

Inactive Date:	6/30/2003
EPA Id:	CAR000071092
Facility Address 2 :	Not reported
NAICS Code :	81232
Facility Active :	No
Mail Name :	Not reported
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Name :	MARTINIZING CLEANERS
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Owner Telephone :	9494898426
Contact Name :	STUART TAYLOR
Mailing Address:	24502 DEL PRADO UNIT B
	DANA POINT, CA 92629
Contact Telephone :	9494898426
Region Code :	4

MARTINIZING CLEANERS (Continued) **1001967610**

Create Date : 04/24/2002
SIC Description : Garment Pressing, and Agents for Laundries and Drycleaners
NAICS Description : Drycleaning and Laundry Services (except Coin-Operated)

HAZNET:

Gepaid: CAR000071092
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: Los Angeles
Tons: Not reported
Waste Category:
Disposal Method: Transfer Station
Contact: STUART TAYLOR
Telephone: (949) 489-8426
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
County Not reported

Gepaid: CAR000071092
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: Los Angeles
Tons: 0.16
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: STUART TAYLOR
Telephone: (949) 489-8426
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
County Not reported

Gepaid: CAR000071092
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: Orange
Tons: Not reported
Waste Category:
Disposal Method: Transfer Station
Contact: STUART TAYLOR
Telephone: (949) 489-8426
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
County Not reported

Gepaid: CAR000071092
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: Orange
Tons: 0.29
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: STUART TAYLOR
Telephone: (949) 489-8426
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
County Not reported

MARTINIZING CLEANERS (Continued) **1001967610**

Gepaid: CAR000071092
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: 99
Tons: 0.12
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: STUART TAYLOR
Telephone: (949) 489-8426
Mailing Address: 24502 DEL PRADO UNIT B
DANA POINT, CA 92629
County Not reported

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

---

13 **FORMER EXXON STATION 7-4816** **LUST S103723417**
34295 DOHENY PARK RD **Cortese N/A**
CAPISTRANO BEACH, CA 92624

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT3830
Reg Board: 9
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Other ground water affected
Status: No Action
Review Date: Not reported
Workplan: 2/1/1996 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 01/11/1999
Cleanup Fund Id : Not reported
Discover Date : 02/01/1996
Enforcement Dt : Not reported
Enf Type: NOR
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: SA
How Stopped: Other Means
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: MUN
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Confirm Leak: Not reported
Prelim Assess: 2/1/1996 0:00
Remed Plan: Not reported

FORMER EXXON STATION 7-4816 (Continued) **S103723417**

Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party MARLA GUENSLER
RP Address: 3700 WEST 190TH STREET, TPT-2-7
Global Id: T0605902575
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 9:

Case Number:	9UT3830	Release Date:	02/18/1999
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	02/01/1996	How Found:	Other Means
Date Stopped:	02/01/1996	How Stopped:	Other Means
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Preliminary site assessment workplan submitted		
Case Type:	Soil only		
Confirm Date:	2/18/99	Submit Workplan:	2/18/99
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	Not reported	Closed Date:	Not reported
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	99UT10
Basin Number:	901.20	Gwater Depth:	Not reported

File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Beneficial Use: MUNBU
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

LUST Region OR:
Facility Id: 99UT010
Record ID: RO0001273
Region: ORANGE
Case Type: Other Ground Water
Date Closed: Not reported
Current Status: 5C
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

14 **CAPISTRANO REALTY** **LUST** **U003778685**
34656 PACIFIC COAST HWY **Cortese** **N/A**
CAPISTRANO BEACH, CA 92624 **UST**

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT1224		
Reg Board:	9		
Chemical:	80066191203		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Other ground water affected		
Status:	No Action		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	11/29/1988		
Cleanup Fund Id :	Not reported		
Discover Date :	10/19/1988		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	AGR		
Staff :	BSP		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	RALPH PARKER		
RP Address:	34952 CAMINO CAPISTRANO		
Global Id:	T0605902371		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		

CAPISTRANO REALTY (Continued) **U003778685**

Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region OR:
Facility Id: 88UT196
Record ID: RO0001087
Region: ORANGE
Case Type: Other Ground Water
Date Closed: Not reported
Current Status: 5C
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Facility Id: 88UT196
Record ID: RO0001087
Region: ORANGE
Case Type: Other Ground Water
Date Closed: Not reported
Current Status: 5C
Released Substance : Waste oil/Used oil

CORTESE:
Region: CORTESE
Fac Address 2: 34656 PACIFIC COAST HWY

State UST:
Facility ID: 10190
Total Tanks: 1
Region: STATE
Local Agency: 30000

---

15 **DPR DOHENY STATE BEACH** HAZNET S103961258
25300 DANA PT HARBOR DR N/A
DANA POINT, CA 92629

HAZNET:
Gepaid: CAD982034019
TSD EPA ID: CAT080013352
Gen County: Orange
Tsd County: Los Angeles
Tons: .4170
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: CAL DEPT OF PARK SERVICES
Telephone: (916) 653-9962
Mailing Address: PO BOX 942896
SACRAMENTO, CA 94296 - 0001
County Orange

---

15 **DOHENY STATE BEACH** UST U003804641
25300 DANA POINT HARBOR DR N/A
DANA POINT, CA 92629

State UST:
Facility ID: 6858
Total Tanks: 1
Region: STATE
Local Agency: 30000

15 **DOHENY STATE BEACH** **CA FID UST 1000209057**
25300 DANA POINT HARBOR DR **HIST UST N/A**
DANA POINT, CA 92629

FID:

Facility ID:	30017561	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 492-0802
Mail To:	Not reported 3030 AVENIDA DEL PRESIDEN DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

UST HIST:

Facility ID:	40787	Owner Name:	CALIFD DEPART PARKS AND RECREA
Total Tanks:	1	Region:	STATE
Owner Address:	3030 AVE. DEL PRESIDENTE SAN CLEMENTE, CA 92672		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00001000	Year Installed:	1970
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	CHARLES O. POTTHAST	Telephone:	(714) 492-0953
Facility Type:	Other	Other Type:	STATE BEACH

16 **THRIFTY OIL S S #390** **LUST S105791064**
34306 COAST **N/A**
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT828		
Reg Board:	9		
Chemical:	12035800661		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Other ground water affected		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	01/04/1996		
Release Date:	10/19/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	10/19/1987		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		

THRIFTY OIL S S #390 (Continued) **S105791064**

Interim :	Not reported
Leak Cause:	Unknown
Leak Source:	Unknown
MTBE Date :	Not reported
Max MTBE GW :	Not reported
MTBE Tested:	Not Required to be Tested.
Priority:	Not reported
Local Case # :	0
Beneficial:	MUN
Staff :	SJP
GW Qualifier :	Not reported
Max MTBE Soil :	Not reported
Soil Qualifier :	Not reported
Hydr Basin #:	Not reported
Operator :	Not reported
Oversight Prgm:	LUST
Review Date :	Not reported
Stop Date :	09/09/9999
Work Suspended :	Not reported
Responsible Party	PETER D'AMICO
RP Address:	10000 LAKEWOOD BLVD.
Global Id:	T0605902615
Org Name:	Not reported
Contact Person:	Not reported
MTBE Conc:	0
Mtbe Fuel:	0
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported
Summary :	Not reported

---

17 **DANA WEST MARINA** **HAZNET U001742721**
24500 DANA POINT HARBOR DR **CA FID UST N/A**
DANA POINT, CA 92629

HAZNET:

Gepaid:	CAL000030155
TSD EPA ID:	CAD982444481
Gen County:	Orange
Tsd County:	San Bernardino
Tons:	0.0875
Waste Category:	Other organic solids
Disposal Method:	Recycler
Contact:	T B W COMPANY
Telephone:	(000) 000-0000
Mailing Address:	24500 DANA POINT HARBOR DR DANA POINT, CA 92629
County	Orange

DANA WEST MARINA (Continued) **U001742721**

FID:

Facility ID:	30017618	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 493-6222
Mail To:	Not reported 24500 DANA POINT HARBOR DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

17 **DANA WEST MARINA** **HAZNET U003785225**
24500 DANA POINT HARBOR DR **UST N/A**
DANA POINT, CA 92629

HAZNET:

Gepaid:	CAL000174311
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	99
Tons:	0.26
Waste Category:	Other organic solids
Disposal Method:	Recycler
Contact:	KELLY RINDERKNECHT/OFFICE MGR
Telephone:	(949) 493-6222
Mailing Address:	24500 DANA POINT HARBOR DR DANA POINT, CA 92629
County	Not reported

Gepaid:	CAL000174311
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	99
Tons:	0.11
Waste Category:	Other organic solids
Disposal Method:	Recycler
Contact:	KELLY RINDERKNECHT/OFFICE MGR
Telephone:	(949) 493-6222
Mailing Address:	24500 DANA POINT HARBOR DR DANA POINT, CA 92629
County	Not reported

Gepaid:	CAL000174311
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	Orange
Tons:	0.08
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Contact:	KELLY RINDERKNECHT/OFFICE MGR
Telephone:	(949) 493-6222
Mailing Address:	24500 DANA POINT HARBOR DR DANA POINT, CA 92629
County	Not reported

DANA WEST MARINA (Continued) — **U003785225**

Gepaid: CAL000174311
TSD EPA ID: AZD980892731
Gen County: Orange
Tsd County: 99
Tons: .2000
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: BEAUCHAMP REALTY
Telephone: (000) 000-0000
Mailing Address: 1641 LANGLEY AVE
IRVINE, CA 92614 - 5619
County Orange

State UST:
Facility ID: 9062
Total Tanks: 1
Region: STATE
Local Agency: 30000

---

17 **24500 DANA POINT HARBOR DRIVE** — ERNS — 2003706906
24500 DANA POINT HARBOR DRIVE — N/A
DANA POINT, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

17 **24500 DANA POINT HBR DR SLIP 36** — ERNS — 90173027
24500 DANA POINT HBR DR SLIP 36 — N/A
DANA POINT, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

18 **24650 DANA POINT HARBOR DR** — ERNS — 2000536650
24650 DANA POINT HARBOR DR — N/A
DANA POINT, CA 0

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

19 **COUNTY MAINTENANCE YARD** **CA FID UST** **U002096022**
34551 PUERTO PL **N/A**
DANA POINT, CA 92629

FID:

Facility ID:	30017526	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 661-7013
Mail To:	Not reported 10852 DOUGLAS RD DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

---

19 **ORANGE COUNTY HARBORS BEACHES & PARKS** **HAZNET** **S103980166**
34551 PORTO PLACE **N/A**
DANA POINT, CA 92629

HAZNET:

Gepaid:	CAC001241592
TSD EPA ID:	CAD028409019
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	1.2510
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Treatment, Tank
Contact:	Not reported
Telephone:	(000) 000-0000
Mailing Address:	FACILITY OPERATIONS SANTA ANA, CA 92701
County	Orange

Gepaid:	CAC001241592
TSD EPA ID:	CAD028409019
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	1.2510
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Not reported
Contact:	Not reported
Telephone:	(000) 000-0000
Mailing Address:	FACILITY OPERATIONS SANTA ANA, CA 92701
County	Orange

---

19 **DANA POINT MAINTENANCE FACILIT** **HIST UST** **U001576915**
34551 PUERTO PL **N/A**
DANA POINT, CA 92629

UST HIST:

Facility ID:	31624	Owner Name:	COUNTY OF ORANGE ENVIRONMENTAL
Total Tanks:	3	Region:	STATE
Owner Address:	811 N BROADWAY P.O. BOX 4048 SANTA ANA, CA 92702		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	#1
Tank Capacity:	00002000	Year Installed:	Not reported

DANA POINT MAINTENANCE FACILIT (Continued) **U001576915**

Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	RICHARD DYER	Telephone:	(714) 661-7013
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	31624	Owner Name:	COUNTY OF ORANGE ENVIRONMENTAL
Total Tanks:	3	Region:	STATE
Owner Address:	811 N BROADWAY P.O. BOX 4048 SANTA ANA, CA 92702		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	#2
Tank Capacity:	00000700	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	RICHARD DYER	Telephone:	(714) 661-7013
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	31624	Owner Name:	COUNTY OF ORANGE ENVIRONMENTAL
Total Tanks:	3	Region:	STATE
Owner Address:	811 N BROADWAY P.O. BOX 4048 SANTA ANA, CA 92702		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	#3
Tank Capacity:	00001000	Year Installed:	Not reported
Type of Fuel:	PREMIUM	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	RICHARD DYER	Telephone:	(714) 661-7013
Facility Type:	Gas Station	Other Type:	Not reported

---

19 **COUNTY MAINTENANCE YARD** **UST** **U003783729**
34551 PUERTO PL **N/A**
DANA POINT, CA 92629

State UST:

Facility ID:	6090
Total Tanks:	1
Region:	STATE
Local Agency:	30000

---

20 **34555 CASITAS PL** **ERNS** **2002595131**
34555 CASITAS PL **N/A**
DANNA POINT, CA 0

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

20 **DANA POINT MARINA COMPANY** **LUST S102428624**
34553 CASITAS PL **Cortese N/A**
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT3195		
Reg Board:	9		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Soil only		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	08/01/1995		
Release Date:	10/14/1993		
Cleanup Fund Id :	Not reported		
Discover Date :	10/14/1993		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MAR		
Staff :	JRO		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	RICH ADLER		
RP Address:	P O BOX 4048		
Global Id:	T0605902530		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		

DANA POINT MARINA COMPANY (Continued) **S102428624**

Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 9:

Case Number:	9UT3195	Release Date:	11/03/1993
Local Agency:	30000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	/ /	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	1/26/94	Submit Workplan:	1/26/94
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	8/1/95	Closed Date:	8/1/95
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	93UT82
Basin Number:	901.14	Gwater Depth:	6.5
File Dispn:	Administratively opened on database, however no file physically exists		

Interim Remedial Actions: Not reported
Beneficial Use: B/ENBN
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

LUST Region OR:

Facility Id:	93UT082
Record ID:	RO0002913
Region:	ORANGE
Case Type:	Soil Only
Date Closed:	08/01/1995
Current Status:	9
Released Substance :	Waste oil/Used oil

CORTESE:

Region:	CORTESE
Fac Address 2:	34553 CASITAS PL

---

21 **EMBARCADERO MARINA** **LUST U003713572**
34512 EMBARCADERO PL **Cortese N/A**
DANA POINT, CA 92629 **UST**

LUST Region OR:

Facility Id:	97UT001
Record ID:	RO0000889
Region:	ORANGE
Case Type:	Other Ground Water
Date Closed:	09/08/2000
Current Status:	9
Released Substance :	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

CORTESE:

Region:	CORTESE
Fac Address 2:	34512 EMBARCADERO PL

EMBARCADERO MARINA (Continued) **U003713572**

State UST:
Facility ID: 4449
Total Tanks: 1
Region: STATE
Local Agency: 30000

---

21 **EMBARCADERO MARINA** **HIST UST** **U001742745**
34512 EMBARCADERO PL **N/A**
DANA POINT, CA 92629

UST HIST:

Facility ID:	11401	Owner Name:	DANA POINT MARINA CORP.
Total Tanks:	2	Region:	STATE
Owner Address:	34512 EMBARCADERO PLACE DANA POINT, CA 92629		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00007500	Year Installed:	1971
Type of Fuel:	REGULAR	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	M.E. HARRISON	Telephone:	(714) 496-6177
Facility Type:	Gas Station	Other Type:	BOAT FUEL STATION
Facility ID:	11401	Owner Name:	DANA POINT MARINA CORP.
Total Tanks:	2	Region:	STATE
Owner Address:	34512 EMBARCADERO PLACE DANA POINT, CA 92629		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00007500	Year Installed:	1971
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	M.E. HARRISON	Telephone:	(714) 496-6177
Facility Type:	Gas Station	Other Type:	BOAT FUEL STATION

---

21 **EMBARCADERO MARINA** **LUST** **S105033329**
34512 EMBARCADERO PL **N/A**
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT3406		
Reg Board:	9		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Other ground water affected		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	09/08/2000		
Release Date:	12/16/1996		
Cleanup Fund Id :	Not reported		
Discover Date :	12/16/1996		

EMBARCADERO MARINA (Continued) **S105033329**

Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: MUN
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party BRIAN DUNN
RP Address: P O BOX 4048
Global Id: T0605902542
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

---

22 **24200 DANA POINT; HARBOR DRIVE** **ERNS** **96493169**
24200 DANA POINT; HARBOR DRIVE **N/A**
DANA HARBOR, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

23 **SKIPPERS GALLEY INC** EMI S106839533
34667 GOLDEN LANTERN N/A
DANA POINT, CA 92629

EMISSIONS :

Year :	1990
Facility ID :	68666
Air District Code :	SC
SIC Code :	5812
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
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 :	0.10000000
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0

---

23 **JOLLY ROGER-DANA POINT #116** EMI S106833587
34661 GOLDEN LANTERN N/A
DANA POINT, CA 92714

EMISSIONS :

Year :	1990
Facility ID :	66710
Air District Code :	SC
SIC Code :	5812
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	0.10000000
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 :	0.50000000
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0.47500000

---

24 **DANA POINT SHIPYARD** EMI S105255789
34671 PUERTO PL CA WDS N/A
DANA POINT, CA

WDS:

Facility ID:	San Diego 000000219		
Facility Contact	EUGENE C JERRY	Facility Telephone	Not reported
SIC Code:	3732	SIC Code 2:	Not reported
Agency Name:	DANA POINT SHIPYARD		
Agency Address:	34671 PUERTO PL DANA POINT 92629		
Agency Contact:	EUGENE C JERRY	Agency Phone:	Not reported
Design Flow:	Not reported	Baseline Flow:	Not reported
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any		

DANA POINT SHIPYARD (Continued) **S105255789**

servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

Agency Type: Private

Waste Type: Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater) - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Process Waste (Waste produced as part of the industrial/manufacturing process) - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

Threat to Water: Not reported

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Reclamation: No reclamation requirements associated with this facility.

POTW: The facility is not a POTW.

NPDES Number: CA0109312 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: Not reported

EMISSIONS :

Year :	1987
Facility ID :	53231
Air District Code :	SC
SIC Code :	3731
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	2.90000000
Reactive Organic Gases Tons/Yr:	2.62276000
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr :	0.90000000
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0.86400000

Year :	1990
Facility ID :	53231
Air District Code :	SC
SIC Code :	4493
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
Total Organic Hydrocarbon Gases Tons/Yr:	1.90000000
Reactive Organic Gases Tons/Yr:	1.71836000

DANA POINT SHIPYARD (Continued) **S105255789**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr : 0.90000000
Part. Matter 10 Micrometers and Smaller Tons/Yr : 0.86400000

---

24 **DANA POINT SHIPYARD BOAT MAINT** **FINDS** **1005658011**
34671 PUERTO PLACE **110006783034**
DANA POINT, CA 92624

FINDS:
Other Pertinent Environmental Activity Identified at Site:
PERMIT COMPLIANCE SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
CALIFORNIA-USED OIL RECYCLING SYSTEM

---

24 **DANA POINT FUEL DOCK** **CA FID UST** **S101619636**
34661 PUERTO PL **N/A**
DANA POINT, CA 92629

FID:

Facility ID:	30016163	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 496-6113
Mail To:	Not reported 34661 PUERTO PL DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

---

24 **DANA POINT FUEL DOCK** **CHMIRS** **U001576913**
34661 PUERTO PL **HIST UST** **N/A**
DANA POINT, CA 92629

CHMIRS:

OES Control Number:	02-4751
Chemical Name:	Sheen
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	02-4751
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported

DANA POINT FUEL DOCK (Continued) **U001576913**

Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	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 Number :	Not reported
Waterway Involved :	Yes
Waterway :	Dana Point Harbor
Spill Site :	Ship/Harbor/Port
Cleanup By :	Unknown
Containment :	Yes
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	9/2/200203:17:36 PM
Evacuations :	0
True date :	12/31/03
Year :	2002
Agency :	NRC
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	0.000000
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0
Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	Per the NRC reporyt, the caller is reporting an unknown sheen sighting.
Incident date :	9/2/200212:00:00 AM
Admin Agency :	Orange County Emergency Managment Div
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

UST HIST:

Facility ID:	37582	Owner Name:	REGINALD S. DOLL
Total Tanks:	6	Region:	STATE

DANA POINT FUEL DOCK (Continued) **U001576913**

Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00010000
Type of Fuel: REGULAR
Leak Detection: Visual, Pressure Test
Contact Name: Not reported
Facility Type: Gas Station

Container Num: 1
Year Installed: 1971
Tank Construction: Not Reported

Telephone: (714) 496-6113
Other Type: Not reported

Facility ID: 37582
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00000000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Gas Station

Owner Name: REGINALD S. DOLL
Region: STATE

Container Num: 2
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (714) 496-6113
Other Type: Not reported

Facility ID: 37582
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00000000
Type of Fuel: DIESEL
Leak Detection: None
Contact Name: Not reported
Facility Type: Gas Station

Owner Name: REGINALD S. DOLL
Region: STATE

Container Num: 3
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (714) 496-6113
Other Type: Not reported

Facility ID: 37582
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00000000
Type of Fuel: DIESEL
Leak Detection: None
Contact Name: Not reported
Facility Type: Gas Station

Owner Name: REGINALD S. DOLL
Region: STATE

Container Num: 4
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (714) 496-6113
Other Type: Not reported

Facility ID: 37582
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00000000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Gas Station

Owner Name: REGINALD S. DOLL
Region: STATE

Container Num: 5
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (714) 496-6113
Other Type: Not reported

DANA POINT FUEL DOCK (Continued) **U001576913**

Facility ID:	37582	Owner Name:	REGINALD S. DOLL
Total Tanks:	6	Region:	STATE
Owner Address:	34661 PUERTO PLACE DANA POINT, CA 92629		
Tank Used for:	PRODUCT		
Tank Num:	6	Container Num:	6
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	REGULAR	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(714) 496-6113
Facility Type:	Gas Station	Other Type:	Not reported

---

24 **DANA POINT FUEL DOCK** **LUST** **S105034719**
34661 PUERTO PLACE **CHMIRS** **N/A**
DANA POINT, CA 92629 **Cortese**

CORTESE:

Region:	CORTESE
Fac Address 2:	Not reported

CHMIRS:

OES Control Number:	00-5635
Chemical Name:	Gasoline
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	00-5635
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	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
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	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 Number :	Not reported

DANA POINT FUEL DOCK (Continued) **S105034719**

Waterway Involved :	Yes
Waterway :	Dana Point Harbor
Spill Site :	Ship/Harbor/Port
Cleanup By :	Reporting Party
Containment :	Yes
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	12/1/200008:16:34 AM
Evacuations :	0
True date :	12/31/03
Year :	2000
Agency :	Dana Point Harbor patrol
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	5-10
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0
Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	Sunken vessel, spill is boomed and contained
Incident date :	12/1/200012:00:00 AM
Admin Agency :	Orange County Emergency Managment Div
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported
OES Control Number:	99-2631
Chemical Name:	Diesel
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	99-2631
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	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
Responding Agency Personel # Of Injuries :	Not reported

DANA POINT FUEL DOCK (Continued) **S105034719**

Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	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 Number :	Not reported
Waterway Involved :	Yes
Waterway :	Dana Point Harbor
Spill Site :	Waterways
Cleanup By :	Unknown
Containment :	No
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	6/22/199909:39:57 AM
Evacuations :	0
True date :	12/31/03
Year :	1999
Agency :	Dana Point Fuel Dock
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	0
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0
Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	Sheen behind the fuel dock which appears to be in the same place as a previous spill which occurred approx 2 years ago from and underground tank. RP has checked inventory levels and sumps and it appears that there has been no leak. RP is currently conduc
Incident date :	6/22/199912:00:00 AM
Admin Agency :	Orange County Emergency Managment Div
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported
OES Control Number:	02-0684
Chemical Name:	Fuel Oil
Extent of Release:	Not reported
Property Use:	Not reported

DANA POINT FUEL DOCK (Continued) **S105034719**

Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	02-0684
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	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
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	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 Number :	Not reported
Waterway Involved :	Yes
Waterway :	Dana Point Harbor
Spill Site :	Ship/Harbor/Port
Cleanup By :	Fuel Dock
Containment :	Yes
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	2/5/200210:54:53 AM
Evacuations :	0
True date :	12/31/03
Year :	2002
Agency :	NRC
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	2
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0

DANA POINT FUEL DOCK (Continued) **S105034719**

Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	Via NRC report, the caller reports that the vessel "Reel Summertime" fueled at the dock and that fuel escaped out a vent without owner knowing. The fuel dock has deployed absorbents to the water, the remaining material will dissipate naturally.
Incident date :	2/5/200212:00:00 AM
Admin Agency :	Orange County Emergency Managment Div
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

24 **KDL SERVICES INC. DBA DANA POINT FUEL DK** HAZNET S104160837
34661 PUERTO PLACE N/A
DANA POINT, CA 92629

HAZNET:

Gepaid:	CAL000160594
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	99
Tons:	0.06
Waste Category:	Other organic solids
Disposal Method:	Not reported
Contact:	JOHN VAN DIXHORN
Telephone:	(949) 496-6113
Mailing Address:	34661 PUERTO PL DANA POINT, CA 92629
County	Not reported

Gepaid:	CAL000160594
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	99
Tons:	0.27
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Contact:	JOHN VAN DIXHORN
Telephone:	(949) 496-6113
Mailing Address:	34661 PUERTO PL DANA POINT, CA 92629
County	Not reported

Gepaid:	CAL000160594
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	99
Tons:	0.70
Waste Category:	Other organic solids
Disposal Method:	Recycler
Contact:	JOHN VAN DIXHORN
Telephone:	(949) 496-6113
Mailing Address:	34661 PUERTO PL DANA POINT, CA 92629
County	Not reported

KDL SERVICES INC. DBA DANA POINT FUEL DK (Continued) **S104160837**

Gepaid:	CAL000160594
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	0.91
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	Not reported
Contact:	JOHN VAN DIXHORN
Telephone:	(949) 496-6113
Mailing Address:	34661 PUERTO PL
	DANA POINT, CA 92629
County	Not reported

Gepaid:	CAL000160594
TSD EPA ID:	Not reported
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	3.63
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	Recycler
Contact:	JOHN VAN DIXHORN
Telephone:	(949) 496-6113
Mailing Address:	34661 PUERTO PL
	DANA POINT, CA 92629
County	Not reported

Click this hyperlink while viewing on your computer to access
21 additional CA HAZNET record(s) in the EDR Site Report.

---

24 **CHMIRS** **S105649562**
N/A

34661 PUERTO PLACE
DANA PT, CA

CHMIRS:

OES Control Number:	97-3383
Chemical Name:	Oil
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	97-3383
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	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
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported

(Continued) **S105649562**

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 Number :	Not reported
Waterway Involved :	Yes
Waterway :	Dana Pt Harbor
Spill Site :	Ship/Harbor/Port
Cleanup By :	Contractor
Containment :	No
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	8/30/199709:42:35 AM
Evacuations :	0
True date :	12/31/03
Year :	1997
Agency :	Orange Co SO
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	0.000000
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0
Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	Sheen coming from fuel dock in harbor; contractor on scene for cleanup, possible leaching from soil into bay area. Covers 1/3 of a 1/4-1/2mi harbor.
Incident date :	8/30/199712:00:00 AM
Admin Agency :	ERROR: Server error: Entry not found in index
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

24 **TEXACO SERVICE STATION** RCRA-SQG 1004678541
34661 PUERTO PL CAR000110338
DANA POINT, CA 92629

RCRAInfo:
Owner: EQUILON ENTERPRISES L L C
(713) 241-5036
EPA ID: CAR000110338
Contact: NORA CORTEZ
281-874-2224
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

---

24 **34661 PUERTO PLACE** ERNS 2002593109
34661 PUERTO PLACE N/A
DANA POINT, CA 92629

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

24 **DANA POINT FUEL DOCK** LUST U003432945
34661 PUERTO PL UST N/A
DANA POINT, CA 92629 HIST UST

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT3041
Reg Board: 9
Chemical: 12034800661
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Surface Water
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 12/18/2002
Release Date: 02/21/1995
Cleanup Fund Id : Not reported
Discover Date : 02/21/1995
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

DANA POINT FUEL DOCK (Continued) **U003432945**

MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: COMM,MAR,REC-2
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party JOHN VAN DIXHORN
RP Address: 34661 PUERTO PLACE
Global Id: T0605902512
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region OR:
Facility Id: 95UT014
Record ID: RO0001261
Region: ORANGE
Case Type: Surface Water
Date Closed: 12/18/2002
Current Status: 9
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Facility Id: 95UT014
Record ID: RO0001261
Region: ORANGE
Case Type: Surface Water
Date Closed: 12/18/2002
Current Status: 9
Released Substance : Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

UST HIST:
Facility ID: 57194
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00010000
Type of Fuel: REGULAR
Leak Detection: Pressure Test
Contact Name: REGGIE DOLL, OWNER

Owner Name: DANA POINT FUEL DOCK
Region: STATE

Container Num: NO. 1
Year Installed: 1971
Tank Construction: Not Reported

Telephone: (714) 496-6113

DANA POINT FUEL DOCK (Continued) **U003432945**

Facility Type: Other
Other Type: MARINE FUELING

Facility ID: 57194
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00010000
Type of Fuel: PREMIUM
Leak Detection: Pressure Test
Contact Name: REGGIE DOLL, OWNER
Facility Type: Other
Owner Name: DANA POINT FUEL DOCK
Region: STATE
Container Num: NO. 2
Year Installed: 1971
Tank Construction: Not Reported
Telephone: (714) 496-6113
Other Type: MARINE FUELING

Facility ID: 57194
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00010000
Type of Fuel: DIESEL
Leak Detection: Pressure Test
Contact Name: REGGIE DOLL, OWNER
Facility Type: Other
Owner Name: DANA POINT FUEL DOCK
Region: STATE
Container Num: NO. 3
Year Installed: 1971
Tank Construction: Not Reported
Telephone: (714) 496-6113
Other Type: MARINE FUELING

Facility ID: 57194
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00010000
Type of Fuel: DIESEL
Leak Detection: Pressure Test
Contact Name: REGGIE DOLL, OWNER
Facility Type: Other
Owner Name: DANA POINT FUEL DOCK
Region: STATE
Container Num: NO. 4
Year Installed: 1971
Tank Construction: Not Reported
Telephone: (714) 496-6113
Other Type: MARINE FUELING

Facility ID: 57194
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00004000
Type of Fuel: 06
Leak Detection: Pressure Test
Contact Name: REGGIE DOLL, OWNER
Facility Type: Other
Owner Name: DANA POINT FUEL DOCK
Region: STATE
Container Num: NO. 5
Year Installed: 1971
Tank Construction: Not Reported
Telephone: (714) 496-6113
Other Type: MARINE FUELING

Facility ID: 57194
Total Tanks: 6
Owner Address: 34661 PUERTO PLACE
DANA POINT, CA 92629
Tank Used for: WASTE
Tank Num: 6
Tank Capacity: 00000400
Owner Name: DANA POINT FUEL DOCK
Region: STATE
Container Num: NO. 6
Year Installed: 1971

DANA POINT FUEL DOCK (Continued) **U003432945**

Type of Fuel: 06
Leak Detection: Pressure Test
Contact Name: REGGIE DOLL, OWNER
Facility Type: Other
Tank Construction: Not Reported
Telephone: (714) 496-6113
Other Type: MARINE FUELING

State UST:
Facility ID: 4453
Total Tanks: 1
Region: STATE
Local Agency: 30000

UST Orange County:
Facility ID: FA0023972
Region: ORANGE

---

24 **34661 PUERTO PLACE** **ERNS** **2002621748**
34661 PUERTO PLACE **N/A**
DANA POINT, CA 0

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

24 **34661 PUERTO PLACE** **ERNS** **2000543738**
34661 PUERTO PLACE **N/A**
DANA POINT, CA 0

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

25 **WEST HOLDING BASIN 24300 DANA PT HARBOR** **ERNS** **91226817**
WEST HOLDING BASIN 24300 DANA PT HARBOR **N/A**
DANA PT HARBOR, CA 92629

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

26 **MICHAEL'S SUPPER CLUB, GRACE R** **EMI** **S106835561**
24399 DANA DR **N/A**
DANA POINT, CA 92629

EMISSIONS :
Year : 1990
Facility ID : 64534
Air District Code : SC
SIC Code : 5812
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported

MICHAEL'S SUPPER CLUB, GRACE R (Continued) **S106835561**

Consolidated Emission Reporting Rule :	Not reported
County Code :	30
County ID :	30
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 :	0.10000000
Part. Matter 10 Micrometers and Smaller Tons/Yr :	0

27 **DANA WEST MARINA** **LUST** **S102428626**
24501 DANA DR **Cortese** **N/A**
DANA POINT, CA 92629

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT3198		
Reg Board:	9		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Soil only		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	10/28/1996		
Release Date:	02/26/1996		
Cleanup Fund Id :	Not reported		
Discover Date :	02/26/1996		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MAR		
Staff :	JRO		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		

DANA WEST MARINA (Continued) **S102428626**

Work Suspended : Not reported
Responsible Party BOB BEAUCHAMP
RP Address: 24500 DANA POINT HARBOR DRIVE
Global Id: T0605902533
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 9:

Case Number:	9UT3198	Release Date:	03/06/1996
Local Agency:	30000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	/ /	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	3/6/96	Submit Workplan:	3/6/96
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	10/28/96	Closed Date:	10/28/96
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	96UT11
Basin Number:	901.14	Gwater Depth:	~8'
File Dispn:	Administratively opened on database, however no file physically exists		

Interim Remedial Actions: Not reported
Beneficial Use: BU
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

LUST Region OR:
Facility Id: 96UT011
Record ID: RO0001206
Region: ORANGE
Case Type: Soil Only
Date Closed: 10/28/1996
Current Status: 9
Released Substance : Waste oil/Used oil

CORTESE:
Region: CORTESE
Fac Address 2: 24501 DANA DR

28 **DANA POINT MARINA COMPANY** **HAZNET** **S101589189**
24705 DANA DR **LUST** **N/A**
DANA POINT, CA 92629 **Cortese**
CA FID UST

State LUST:

Cross Street:	Not reported		
Qty Leaked:	0		
Case Number	9UT3196		
Reg Board:	9		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency :	30000L		
Case Type:	Soil only		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	08/01/1995		
Release Date:	10/14/1993		
Cleanup Fund Id :	Not reported		
Discover Date :	10/14/1993		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	JS		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Not reported		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	MAR		
Staff :	JRO		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	09/09/9999		
Work Suspended :	Not reported		
Responsible Party	RICH ADLER		
RP Address:	P O BOX 4048		
Global Id:	T0605902531		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		
Well Name:	Not reported		

DANA POINT MARINA COMPANY (Continued) **S101589189**

Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 9:

Case Number:	9UT3196	Release Date:	04/01/1994
Local Agency:	30000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	/ /	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	U	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	1/20/95	Remed Action:	1/20/95
Began Monitor:	8/1/95	Closed Date:	8/1/95
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	93UT81
Basin Number:	901.14	Gwater Depth:	6.5'
File Dispn:	Administratively opened on database, however no file physically exists		

Interim Remedial Actions: Not reported
Beneficial Use: BU
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

LUST Region OR:

Facility Id:	93UT081
Record ID:	RO0002893
Region:	ORANGE
Case Type:	Soil Only
Date Closed:	08/01/1995
Current Status:	9
Released Substance :	Waste oil/Used oil

HAZNET:

Gepaid:	CAL000029332
TSD EPA ID:	AZD980892731
Gen County:	Orange
Tsd County:	99
Tons:	.1000
Waste Category:	Other organic solids
Disposal Method:	Recycler
Contact:	DAHLBERG ROBERT
Telephone:	(000) 000-0000
Mailing Address:	24705 DANA DRIVE DANA POINT, CA 92629
County	Orange

DANA POINT MARINA COMPANY (Continued) **S101589189**

Gepaid: CAL000029332
TSD EPA ID: CAD981458466
Gen County: Orange
Tsd County: Los Angeles
Tons: 12.5100
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: DAHLBERG ROBERT
Telephone: (000) 000-0000
Mailing Address: 24705 DANA DRIVE
DANA POINT, CA 92629
County Orange

Gepaid: CAL000029332
TSD EPA ID: CAD982444481
Gen County: Orange
Tsd County: San Bernardino
Tons: .3000
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: DAHLBERG ROBERT
Telephone: (000) 000-0000
Mailing Address: 24705 DANA DRIVE
DANA POINT, CA 92629
County Orange

Gepaid: CAL000029332
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: 99
Tons: 0.12
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: INACTIVE,UNDELIVERABLE 96 FEE
Telephone: (714) 496-6137
Mailing Address: 24705 DANA DRIVE
DANA POINT, CA 92629
County Not reported

Gepaid: CAL000029332
TSD EPA ID: Not reported
Gen County: Orange
Tsd County: Los Angeles
Tons: 1.04
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: INACTIVE,UNDELIVERABLE 96 FEE
Telephone: (714) 496-6137
Mailing Address: 24705 DANA DRIVE
DANA POINT, CA 92629
County Not reported

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET record(s) in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: 24705 DANA DR

DANA POINT MARINA COMPANY (Continued) **S101589189**

FID:

Facility ID:	30002787	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 496-6137
Mail To:	Not reported P O BOX 249 34512 EM PL DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

---

28 **PACIFIC ASIAN ENTERPRISES INC** **CLEANERS** **S105807825**
24703 DANA DR **N/A**
DANA POINT, CA 92629

CA Cleaners:

Inactive Date:	Not reported
EPA Id:	CAL000249732
Facility Address 2 :	Not reported
NAICS Code :	81149
Facility Active :	Yes
Mail Name :	Not reported
Mailing Address:	34179 golden lantern ste 101 dana point, CA 92629
Owner Name :	pacific asian enterprises inc
Mailing Address:	34179 golden lantern ste 101 dana point, CA 92629
Owner Telephone :	9494964848
Contact Name :	CINDY BARNES
Mailing Address:	34179 golden lantern ste 101 dana point, CA 92629
Contact Telephone :	9494964848
Region Code :	4
Create Date :	04/10/2002
SIC Description :	Laundry and Garment Services, NEC (alteration and repair)
NAICS Description :	Other Personal and Household Goods Repair and Maintenance

---

28 **DANA POINT MARINA** **UST** **U003785224**
24701 DANA DR **N/A**
DANA POINT, CA 92629

State UST:

Facility ID:	9061
Total Tanks:	1
Region:	STATE
Local Agency:	30000

29 **DANA POINT MARINA HARBOR PATRO** **CA FID UST** **S101631315**
25005 DANA DR **N/A**
DANA POINT, CA 92629

FID:

Facility ID:	30003478	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported 1143 E FRUIT ST DANA POINT, CA 92629		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

---

29 **COUNTY OF ORANGE HB &P** **HAZNET** **S103646307**
25005 DANNA DR **N/A**
DANA POINT, CA 92629

HAZNET:

Gepaid:	CAC001220120
TSD EPA ID:	CAD028409019
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Aqueous solution with 10% or more total organic residues
Disposal Method:	Treatment, Tank
Contact:	COUNTY OF ORANGE
Telephone:	(714) 567-7885
Mailing Address:	300 N FLOWER ST SANTA ANA, CA 92701
County	Orange

Gepaid:	CAC001220120
TSD EPA ID:	CAD028409019
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Aqueous solution with 10% or more total organic residues
Disposal Method:	Not reported
Contact:	COUNTY OF ORANGE
Telephone:	(714) 567-7885
Mailing Address:	300 N FLOWER ST SANTA ANA, CA 92701
County	Orange

Gepaid:	CAC001220120
TSD EPA ID:	CAD028409019
Gen County:	Orange
Tsd County:	Los Angeles
Tons:	.1251
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Not reported
Contact:	COUNTY OF ORANGE
Telephone:	(714) 567-7885
Mailing Address:	300 N FLOWER ST SANTA ANA, CA 92701
County	Orange

COUNTY OF ORANGE HB &P (Continued) **S103646307**

Gepaid: CAC001220120
TSD EPA ID: CAD028409019
Gen County: Orange
Tsd County: Los Angeles
Tons: .1251
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: COUNTY OF ORANGE
Telephone: (714) 567-7885
Mailing Address: 300 N FLOWER ST
SANTA ANA, CA 92701
County Orange

---

29 **DANA POINT MARINA HARBOR PATROL** **LUST U003879455**
25005 DANA DR **UST N/A**
DANA POINT, CA 92629

LUST Region OR:
Facility Id: 90UT199
Record ID: RO0001694
Region: ORANGE
Case Type: Soil Only
Date Closed: 12/09/1992
Current Status: 9
Released Substance : Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

State UST:
Facility ID: 9053
Total Tanks: 1
Region: STATE
Local Agency: 30000

UST Orange County:
Facility ID: FA0024580
Region: ORANGE

---

29 **DANA POINT HARBOR** **LUST U003147668**
25005 DANA DR **Cortese N/A**
DANA POINT, CA 92629

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT1698
Reg Board: 9
Chemical: Diesel
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 12/09/1992
Release Date: 05/16/1990
Cleanup Fund Id : Not reported
Discover Date : 05/16/1990
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

DANA POINT HARBOR (Continued) **U003147668**

Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: MAR
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party CHARLES LUS
RP Address: 1143 FRUIT ST
Global Id: T0605902418
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

Cross Street: Not reported
Qty Leaked: 0
Case Number 9UT3231
Reg Board: 9
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 30000L
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 05/03/2000
Release Date: 10/01/1996
Cleanup Fund Id : Not reported

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

DANA POINT HARBOR (Continued) **U003147668**

Discover Date : 10/01/1996
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Unknown
Leak Source: Unknown
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: MAR
Staff : SJP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 09/09/9999
Work Suspended : Not reported
Responsible Party BILL GREY
RP Address: 1143 E FRUIT ST
Global Id: T0605902535
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

DANA POINT HARBOR (Continued) **U003147668**

LUST Region 9:

Case Number:	9UT1698	Release Date:	05/16/1990
Local Agency:	30000		
Substance:	12034	Qty Leaked:	Not reported
Date Found:	05/16/1990	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	9/6/90	Submit Workplan:	9/6/90
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	12/9/92	Closed Date:	12/9/92
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	90UT199
Basin Number:	901.14	Gwater Depth:	UNK
File Dispn:	File discarded, case closed		
Interim Remedial Actions:	No		
Beneficial Use:	BU		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

Case Number:	9UT3231	Release Date:	10/02/1996
Local Agency:	30000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	/ /	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Other ground water affected		
Confirm Date:	10/2/96	Submit Workplan:	10/2/96
Prelim Assess:	3/1/00	Desc Pollution:	3/1/00
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	5/3/00	Closed Date:	5/3/00
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	96UT40
Basin Number:	901.14	Gwater Depth:	5.6
File Dispn:	Administratively opened on database, however no file physically exists		
Interim Remedial Actions:	Not reported		
Beneficial Use:	BU		
Cleanup and Abatement order Number:	Not reported		
Waste Discharge Requirement Number:	Not reported		
NPDES Number:	Not reported		

DANA POINT HARBOR (Continued) **U003147668**

LUST Region OR:
Facility Id: 96UT040
Record ID: RO0001985
Region: ORANGE
Case Type: Other Ground Water
Date Closed: 05/03/2000
Current Status: 9
Released Substance : Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

CORTESE:
Region: CORTESE
Fac Address 2: 25005 DANA DR

Region: CORTESE
Fac Address 2: 25005 DANA DR

---

29 **CHMIRS** **S106392337**
N/A

25005 DANA DRIVE, HARBOR PATROL OFFICE, DOCK N28 O
UNINCORPORATED COUNTY AREA, CA 92670

CHMIRS:

OES Control Number:	97-3732
Chemical Name:	diesel fuel
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	97-3732
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	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
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	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 Number :	Not reported
Waterway Involved :	Yes

(Continued) **S106392337**

Waterway :	Dana Point Harbor
Spill Site :	Ship/Harbor/Port
Cleanup By :	Boat Owner
Containment :	Yes
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	9/23/199708:36:56 AM
Evacuations :	0
True date :	12/31/03
Year :	1997
Agency :	Orange Co Sheriff
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	5
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0
Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	A bildge pump pumped the diesel overboard.
Incident date :	9/23/199712:00:00 AM
Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

---

29 **AVIS RENT-A-CAR** UST U003804472
1 NEIL ARMSTRONG WAY N/A
OAKLAND, CA 94621

State UST:

Facility ID:	221
Total Tanks:	1
Region:	STATE
Local Agency:	1060

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CAPISTRANO BEACH	U001576756	BART'S IRON	VICTORIA	92624	HIST UST
DANA POINT	S106797601	SAN JUAN CREEK PROPERTY	34500 BLK-WEST OF DOHENY PARK RD	92624	REF
DANA POINT	S105085769	CPH DANA POINT,LLC	3400 CAPISTRANO BY THE SEA DR	92629	HAZNET
DANA POINT	S103982147	POINT CENTER FINANCIAL INC	34311 S COAST HWY	92675	HAZNET
DANA POINT	96501615	DANA POINT LIGHT BUOY #1 LIGHT LIST #2385	DANA POINT LIGHT BUOY #1 LIGHT LIST #2385		ERNS
DANA POINT	8716893	DANA PT. HARBOR/I-DOCK	DANA PT. HARBOR/I-DOCK		ERNS
DANA POINT	92288576	DANA POINT HARBOR DANA POINT DR AT COVE RD	DANA POINT HARBOR DANA POINT DR AT COVE RD		ERNS
DANA POINT	91225464	E54 DANA WEST MARINA	E54 DANA WEST MARINA		ERNS
DANA POINT	2000518230	DANA POINT MARINA	DANA POINT MARINA		ERNS
DANA POINT	2002605904	DANA POINT MARINA	DANA POINT MARINA		ERNS
DANA POINT	2001568204	DANA POINT HARBOR	DANA POINT HARBOR		ERNS
DANA POINT	92297698	DANA POINT HARBOR, EAST BASIN SLIP B-19	DANA POINT HARBOR, EAST BASIN SLIP B-19	92629	ERNS
DANA POINT	S105155554	DEL OBISPO DISPOSAL STATION #3	34052 DEL OBISPO RD. @ VICTORIA ST		SWF/LF
DANA POINT	8722045	DOCK #101-W./BASIN-F/DANA HARBOR	DOCK #101-W./BASIN-F/DANA HARBOR		ERNS
DANA POINT	99624305	DOCK M, SLIP 8 ON THE ISLAND AT DANA EAST BASIN	DOCK M, SLIP 8 ON THE ISLAND AT DANA EAST BASIN		ERNS
DANA POINT	99624247	DOCK M, SLIP 8 ON THE ISLAND AT DANA EAST BASIN	DOCK M, SLIP 8 ON THE ISLAND AT DANA EAST BASIN		ERNS
DANA POINT	S103654383	1X DANA POINT MARINE CORP	34512 EMBARCADERO PLACE	92629	HAZNET, CHMIRS
DANA POINT	91234577	HARBOR DR AT ISLAND WAY, NR "C" DOCK	HARBOR DR AT ISLAND WAY, NR "C" DOCK	92629	ERNS
DANA POINT	2000528593	NEAR THE HARBOR PATROL OFFICE	NEAR THE HARBOR PATROL OFFICE		ERNS
DANA POINT	S106661322	PACIFIC CLEANERS	34098 PACIFIC COAST HWY STE#A	92629	CLEANERS
DANA POINT	U003966298	CONOCOPHILLIPS #257329	34306 PACIFIC COAST HWY STE B	92629	UST
DANA POINT	2000672771	NA POINT HARBOR D	NA POINT HARBOR D		ERNS
DANA POINT	93323031	SAN JUAN CREEK NEAR DANA POINT	SAN JUAN CREEK NEAR DANA POINT	92629	ERNS
DANA POINT	U003940941	OR CO FIRE STATION #30	23831 STONEHILL DR # 30	92629	UST
DANA PT	92271070	24500 DANA PT HARBOR DR FLIP E 92	24500 DANA PT HARBOR DR FLIP E 92	92629	ERNS
DOVE POINT	94406844	DOVE POINT NEAR BABY BEACH	DOVE POINT NEAR BABY BEACH	92629	ERNS
NIPTON	1003879943	NIPTON UNAUTHORIZED LANDFILL	1 MI NW OF NIPTON	92624	CERC-NFRAP
SAN JUAN CAPISTRANO	S106091686	FLORA RESEARCH	32422 ALIPAZ ST STE K	92675	HAZNET, CLEANERS
SAN JUAN CAPISTRANO	1000271462	LAAKMANN ELECTRO-OPTICS, INC	3305 CALLE AVIADOR	92675	RCRA-SQG, FINDS
SAN JUAN CAPISTRANO	S106077127	EXPRESS CLEANERS	31888 DEL OBISPO ST # C-10	92675	CLEANERS
SAN JUAN CAPISTRANO	S106166752	CAPISTRANO CLEANERS	31952 DEL OBISPO SUITE 130	92675	CLEANERS
SAN JUAN CAPISTRANO	U003937604	ARCO # 1706	26851 ORTEGA HWY # 1706	92675	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/28/05
Date Made Active at EDR: 05/16/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/04/05
Elapsed ASTM days: 12
Date of Last EDR Contact: 05/04/05

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 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 04/27/05
Date Made Active at EDR: 05/16/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/04/05
Elapsed ASTM days: 12
Date of Last EDR Contact: 05/04/05

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/15/05
Date Made Active at EDR: 04/06/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/05
Elapsed ASTM days: 15
Date of Last EDR Contact: 03/22/05

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 03/22/05
Date Made Active at EDR: 04/06/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/01/05
Elapsed ASTM days: 5
Date of Last EDR Contact: 04/01/05

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/29/05
Date Made Active at EDR: 05/16/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/11/05
Elapsed ASTM days: 35
Date of Last EDR Contact: 03/07/05

RCRA: Resource Conservation and Recovery Act Information
Source: EPA
Telephone: 800-424-9346
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 05/20/05
Date Made Active at EDR: 06/09/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/24/05
Elapsed ASTM days: 16
Date of Last EDR Contact: 05/24/05

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Made Active at EDR: 03/24/05
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/05
Elapsed ASTM days: 56
Date of Last EDR Contact: 04/25/05

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 04/15/05
Date of Next Scheduled EDR Contact: 06/13/05

CONSENT: Superfund (CERCLA) Consent Decrees
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04
Database Release Frequency: Varies

Date of Last EDR Contact: 04/26/05
Date of Next Scheduled EDR Contact: 07/25/05

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/07/05
Database Release Frequency: Annually

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/28/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/05
Date of Next Scheduled EDR Contact: 08/01/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
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: 04/11/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/05
Date of Next Scheduled EDR Contact: 07/18/05

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/14/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/11/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/05
Date of Next Scheduled EDR Contact: 06/27/05

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
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: 03/30/05
Database Release Frequency: Annually

Date of Last EDR Contact: 05/10/05
Date of Next Scheduled EDR Contact: 08/08/05

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
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: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
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. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Database Release Frequency: Varies

Date of Last EDR Contact: 03/22/05
Date of Next Scheduled EDR Contact: 06/20/05

ODI: Open Dump Inventory
Source: Environmental Protection Agency
Telephone: 800-424-9346
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: 06/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
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: 12/31/03
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
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: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

US ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-8867
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: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/07/05
Date of Next Scheduled EDR Contact: 06/06/05

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 03/22/05
Date of Next Scheduled EDR Contact: 06/20/05

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
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: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 04/05/05
Date of Next Scheduled EDR Contact: 06/06/05

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-566-1667

Date of Government Version: 04/13/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/21/05
Date of Next Scheduled EDR Contact: 06/20/05

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-4203
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: 12/31/03
Database Release Frequency: Annually
Date of Last EDR Contact: 04/19/05
Date of Next Scheduled EDR Contact: 07/18/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/05
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/21/05
Date of Next Scheduled EDR Contact: 06/20/05

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 916-323-3400
Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 05/04/05
Date Made Active at EDR: 06/29/05
Database Release Frequency: Annually
Date of Data Arrival at EDR: 06/01/05
Elapsed ASTM days: 28
Date of Last EDR Contact: 06/01/05

CAL-SITES: Calsites Database
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 05/04/05
Date Made Active at EDR: 06/29/05
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 06/01/05
Elapsed ASTM days: 28
Date of Last EDR Contact: 06/01/05

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/03
Date Made Active at EDR: 06/25/04
Database Release Frequency: Varies
Date of Data Arrival at EDR: 05/18/04
Elapsed ASTM days: 38
Date of Last EDR Contact: 02/23/05

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
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: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 04/25/05

NOTIFY 65: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-3846
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 04/18/05

TOXIC PITS: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 02/01/05

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/14/05
Date Made Active at EDR: 04/05/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/15/05
Elapsed ASTM days: 21
Date of Last EDR Contact: 03/15/05

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 03/07/05

LUST: Geotracker's Leaking Underground Fuel Tank Report
Source: State Water Resources Control Board
Contact: Orange County Environmental Health, (714)433-6471
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/12/05
Date Made Active at EDR: 06/07/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/12/05
Elapsed ASTM days: 26
Date of Last EDR Contact: 04/13/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
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: 02/01/01
Date Made Active at EDR: 03/29/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/28/01
Elapsed ASTM days: 29
Date of Last EDR Contact: 02/23/05

LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 09/30/04
Date Made Active at EDR: 11/19/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/20/04
Elapsed ASTM days: 30
Date of Last EDR Contact: 04/11/05

LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03
Date Made Active at EDR: 06/02/03
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/19/03
Elapsed ASTM days: 14
Date of Last EDR Contact: 02/14/05

LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/04
Date Made Active at EDR: 10/12/04
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/07/04
Elapsed ASTM days: 35
Date of Last EDR Contact: 03/29/05

LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 04/01/05
Date Made Active at EDR: 05/06/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/28/05
Elapsed ASTM days: 8
Date of Last EDR Contact: 04/19/05

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03
Date Made Active at EDR: 10/07/03
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/10/03
Elapsed ASTM days: 27
Date of Last EDR Contact: 04/12/05

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 06/07/05
Date Made Active at EDR: 06/29/05
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 06/07/05
Elapsed ASTM days: 22
Date of Last EDR Contact: 04/15/05

LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04
Date Made Active at EDR: 03/24/04
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/26/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 03/29/05

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130
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: 02/14/05
Date Made Active at EDR: 03/28/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/15/05
Elapsed ASTM days: 41
Date of Last EDR Contact: 02/08/05

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
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: 03/01/01
Date Made Active at EDR: 05/21/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 04/23/01
Elapsed ASTM days: 28
Date of Last EDR Contact: 04/19/05

CA BOND EXP. PLAN: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CA UST:

UST: Active UST Facilities
Source: SWRCB
Contact: Orange County Environmental Health, (714)433-6471
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/12/05
Date Made Active at EDR: 05/06/05
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/13/05
Elapsed ASTM days: 23
Date of Last EDR Contact: 04/13/05

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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: 05/04/05
Date Made Active at EDR: 07/07/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/01/05
Elapsed ASTM days: 36
Date of Last EDR Contact: 06/01/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 04/18/05
Date Made Active at EDR: 05/31/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/16/05
Elapsed ASTM days: 15
Date of Last EDR Contact: 05/16/05

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05
Date Made Active at EDR: 07/01/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/03/05
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/25/05

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/02/05
Date Made Active at EDR: 03/28/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/02/05
Elapsed ASTM days: 54
Date of Last EDR Contact: 01/31/05

CA FID UST: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-341-5851
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5851
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 02/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/24/05
Date of Next Scheduled EDR Contact: 05/02/05

CLEANERS: Cleaner Facilities
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/18/05
Database Release Frequency: Annually

Date of Last EDR Contact: 04/15/05
Date of Next Scheduled EDR Contact: 07/04/05

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 03/21/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/05
Date of Next Scheduled EDR Contact: 06/20/05

DEED: Deed Restriction Listing
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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: 04/05/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

EMI: Emissions Inventory Data
Source: California Air Resources Board
Telephone: 916-322-2990
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/02
Database Release Frequency: Varies

Date of Last EDR Contact: 04/22/05
Date of Next Scheduled EDR Contact: 07/18/05

WIP: Well Investigation Program Case List
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 04/26/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

SLIC: Statewide SLIC Cases
Source: State Water Resources Control Board
Contact: Orange County Environmental Health, (714)433-6471
The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 04/12/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/13/05
Date of Next Scheduled EDR Contact: 07/11/05

SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/23/05
Date of Next Scheduled EDR Contact: 05/23/05

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/11/05
Date of Next Scheduled EDR Contact: 07/11/05

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/16/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/16/05
Date of Next Scheduled EDR Contact: 08/15/05

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/17/04
Database Release Frequency: Varies

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/05
Date of Next Scheduled EDR Contact: 07/04/05

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 05/24/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/18/05
Date of Next Scheduled EDR Contact: 07/04/05

SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 09/07/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/07/05
Date of Next Scheduled EDR Contact: 06/06/05

SLIC REG 7: SLIC List
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

Date of Government Version: 11/24/04
Database Release Frequency: Varies

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298

Date of Government Version: 07/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/06/05
Date of Next Scheduled EDR Contact: 07/04/05

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 09/10/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/01/05
Date of Next Scheduled EDR Contact: 05/30/05

HAZNET: Facility and Manifest Data
Source: California Environmental Protection Agency
Telephone: 916-255-1136
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: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 02/17/05
Date of Next Scheduled EDR Contact: 05/09/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOCAL RECORDS

ALAMEDA COUNTY:

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 02/15/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

Contaminated Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
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: 05/25/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

CONTRA COSTA COUNTY:

Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/13/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/05
Date of Next Scheduled EDR Contact: 08/29/05

FRESNO COUNTY:

CUPA Resources List
Source: Dept. of Community Health
Telephone: 559-445-3271
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/19/05
Date of Next Scheduled EDR Contact: 05/09/05

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 05/10/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/02/05
Date of Next Scheduled EDR Contact: 09/05/05

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 02/01/05
Database Release Frequency: Varies

Date of Last EDR Contact: 02/18/05
Date of Next Scheduled EDR Contact: 05/16/05

City of El Segundo Underground Storage Tank
Source: City of El Segundo Fire Department
Telephone: 310-524-2236

Date of Government Version: 05/31/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/16/05
Date of Next Scheduled EDR Contact: 08/15/05

City of Long Beach Underground Storage Tank
Source: City of Long Beach Fire Department
Telephone: 562-570-2563

Date of Government Version: 03/28/03
Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/05
Date of Next Scheduled EDR Contact: 05/23/05

City of Torrance Underground Storage Tank
Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 03/24/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/28/05
Date of Next Scheduled EDR Contact: 05/16/05

City of Los Angeles Landfills
Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/05
Database Release Frequency: Varies

Date of Last EDR Contact: 03/18/05
Date of Next Scheduled EDR Contact: 06/13/05

HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 02/28/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/14/05
Date of Next Scheduled EDR Contact: 05/16/05

Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/25/05
Database Release Frequency: Annually

Date of Last EDR Contact: 05/16/05
Date of Next Scheduled EDR Contact: 08/15/05

San Gabriel Valley Areas of Concern
Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MARIN COUNTY:

Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 02/08/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/31/05
Date of Next Scheduled EDR Contact: 05/02/05

NAPA COUNTY:

Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 03/29/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/28/05
Date of Next Scheduled EDR Contact: 06/27/05

Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 03/29/05
Database Release Frequency: Annually

Date of Last EDR Contact: 03/28/05
Date of Next Scheduled EDR Contact: 06/27/05

ORANGE COUNTY:

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/11/05
Date of Next Scheduled EDR Contact: 06/06/05

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/11/05
Date of Next Scheduled EDR Contact: 06/06/05

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 06/01/05
Database Release Frequency: Annually

Date of Last EDR Contact: 06/10/05
Date of Next Scheduled EDR Contact: 09/05/05

PLACER COUNTY:

Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/05/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/21/05
Date of Next Scheduled EDR Contact: 06/20/05

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 951-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/24/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/18/05
Date of Next Scheduled EDR Contact: 07/18/05

Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 951-358-5055

Date of Government Version: 05/24/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/18/05
Date of Next Scheduled EDR Contact: 07/18/05

SACRAMENTO COUNTY:

CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 04/06/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/06/05
Date of Next Scheduled EDR Contact: 08/01/05

ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 03/29/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/06/05
Date of Next Scheduled EDR Contact: 08/01/05

SAN BERNARDINO COUNTY:

Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/25/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/07/05
Date of Next Scheduled EDR Contact: 06/06/05

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/22/05
Date of Next Scheduled EDR Contact: 07/04/05

SAN FRANCISCO COUNTY:

Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 06/07/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/05/05
Date of Next Scheduled EDR Contact: 09/05/05

Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 03/09/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/07/05
Date of Next Scheduled EDR Contact: 06/06/05

SAN MATEO COUNTY:

Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 05/05/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/11/05
Date of Next Scheduled EDR Contact: 07/11/05

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 05/12/05
Database Release Frequency: Annually

Date of Last EDR Contact: 04/11/05
Date of Next Scheduled EDR Contact: 07/11/05

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 03/29/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/29/05
Date of Next Scheduled EDR Contact: 06/27/05

Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 01/14/05
Database Release Frequency: Annually

Date of Last EDR Contact: 03/07/05
Date of Next Scheduled EDR Contact: 06/06/05

SOLANO COUNTY:

Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770

Date of Government Version: 04/18/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/18/05
Date of Next Scheduled EDR Contact: 06/13/05

Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770

Date of Government Version: 04/18/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/18/05
Date of Next Scheduled EDR Contact: 06/13/05

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 04/25/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

SUTTER COUNTY:

Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/18/05
Date of Next Scheduled EDR Contact: 07/04/05

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/05
Date of Next Scheduled EDR Contact: 05/23/05

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/18/05
Date of Next Scheduled EDR Contact: 06/13/05

Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/30/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/15/05
Date of Next Scheduled EDR Contact: 07/11/05

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/18/05
Date of Next Scheduled EDR Contact: 06/13/05

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 04/19/05
Database Release Frequency: Annually

Date of Last EDR Contact: 04/18/05
Date of Next Scheduled EDR Contact: 07/18/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
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: 01/10/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/14/05
Date of Next Scheduled EDR Contact: 06/13/05

US INST CONTROL: Sites with Institutional Controls
Source: Environmental Protection Agency
Telephone: 703-603-8867
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: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

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.

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 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

© 2004 Geographic Data Technology, Inc., Rel. 07/2004. This product contains proprietary and confidential property of Geographic Data Technology, Inc. Unauthorized use, including copying for other than testing and standard backup procedures, of this product is expressly prohibited.

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

Disclaimer

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.
No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.

B. Documentation

The EDR-Aerial Photography Print Service

Dana Point Harbor
Dana Point Harbor
Dana Point, CA 92629

January 17, 2003

Inquiry Number: 911763-6



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

Environmental Data Resources, Inc.
Aerial Photography Print Service

Environmental Data Resources, Inc.'s (EDR) Aerial Photography Print Service is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2, page 11.

Aerial Photographs

Aerial photographs are a valuable historical resource for documenting past land use and can be particularly helpful when other historical sources (such as city directories or fire insurance maps) are not reasonably ascertainable. The EDR Aerial Photograph Print Service includes a search of aerial photograph collections flown by public and private agencies for the state of California. EDR's professional field-based researchers provide digitally reproduced historical aerial photographs at approximately ten year intervals.

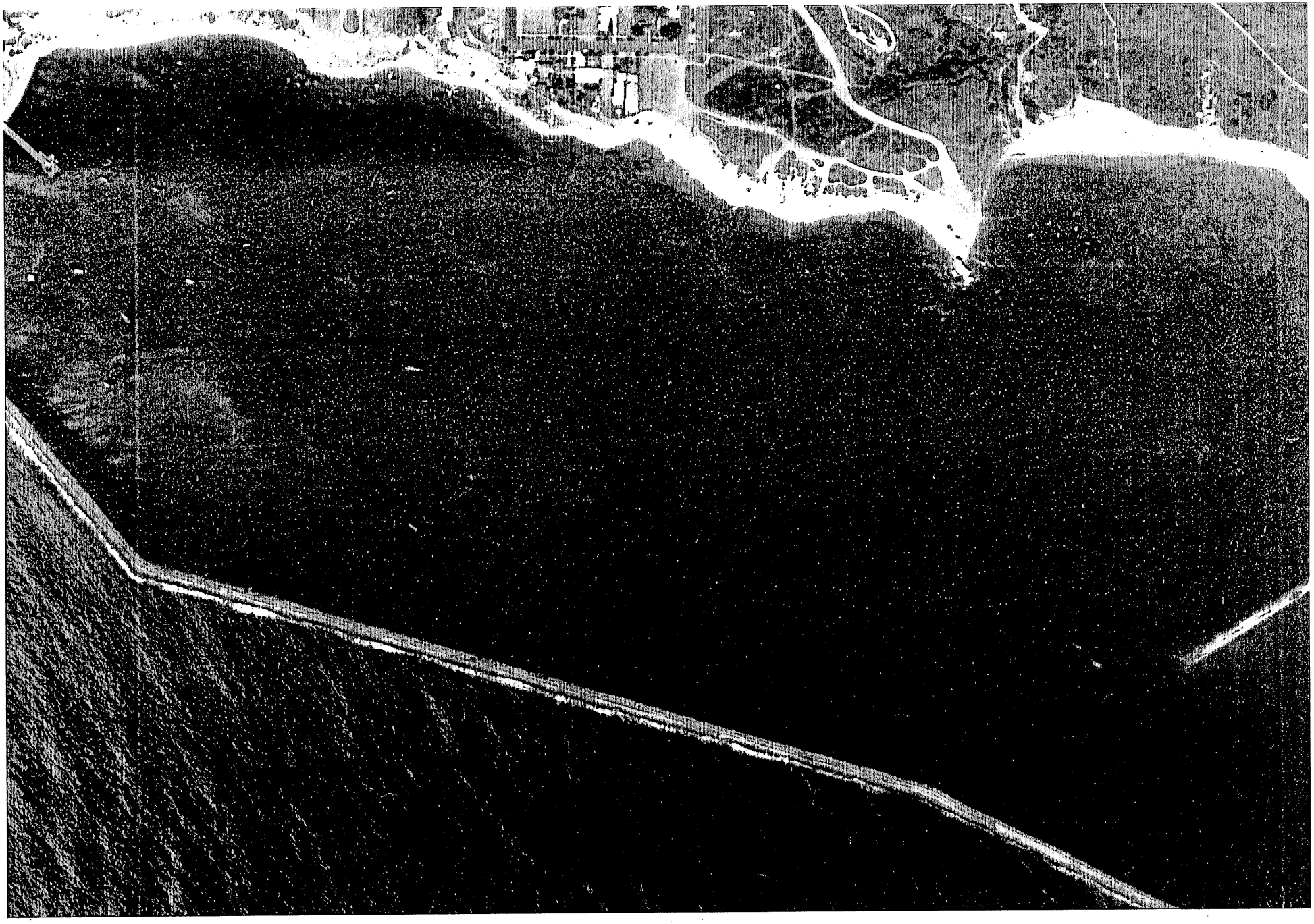
Please call EDR Nationwide Customer Service at
1-800-352-0050 (8a.m-8pm EST)
with questions or comments about your report.
Thank you for your business!

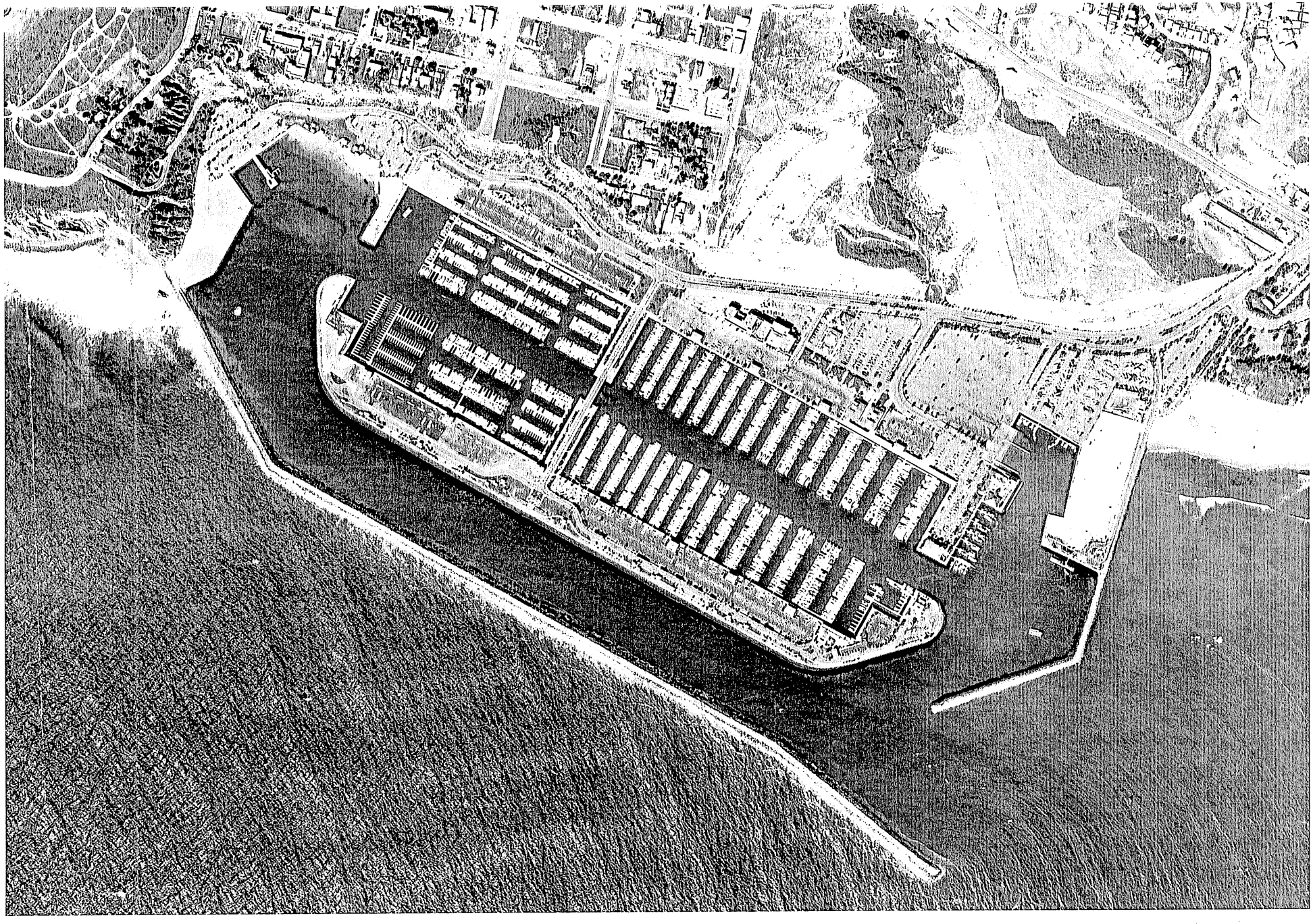
Disclaimer
Copyright and Trademark Notice

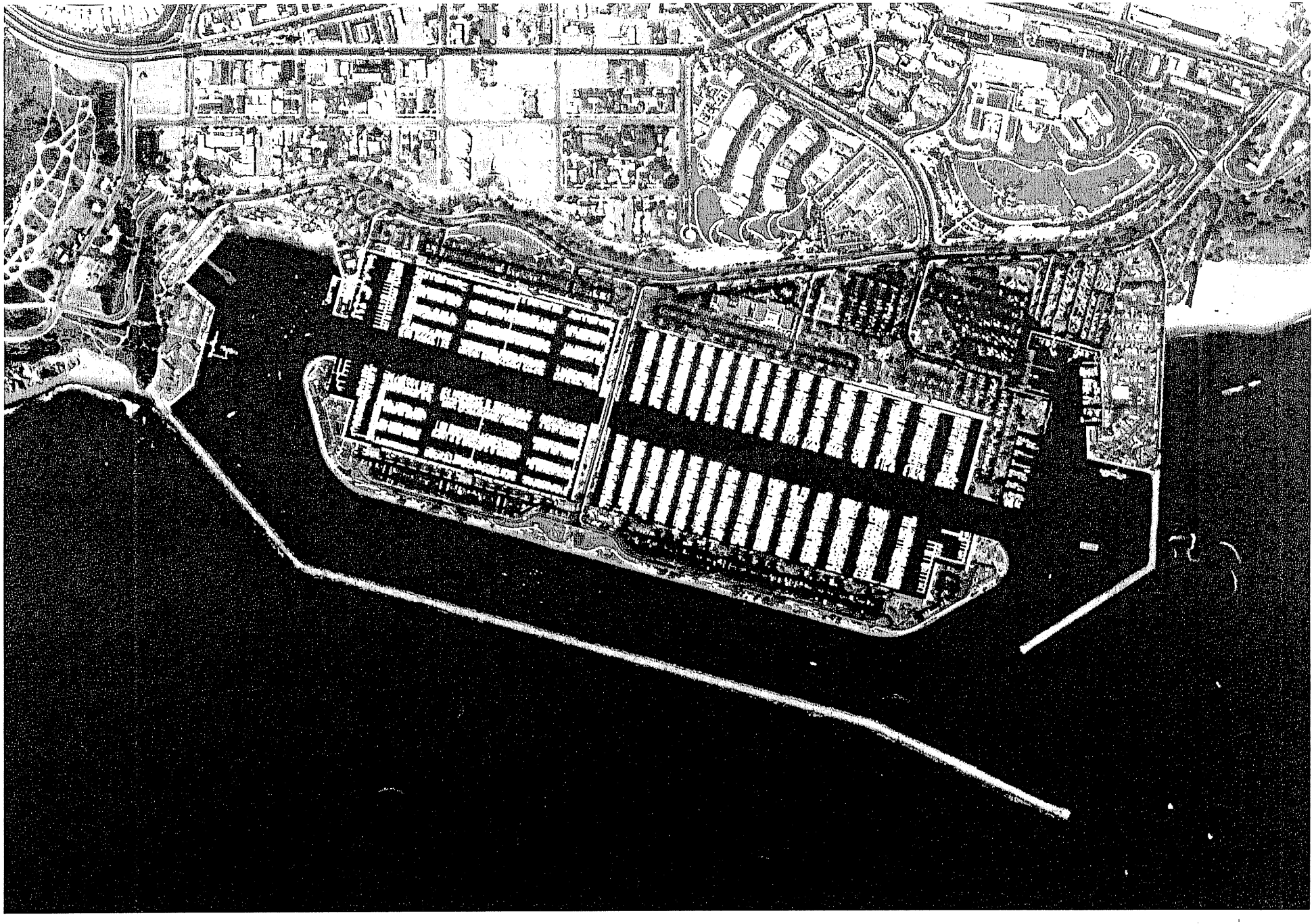
This report contains information obtained from a variety of public and other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES AS TO NON-INFRINGEMENT OF THIRD PARTY RIGHTS, ACCURACY, VALIDITY, COMPLETENESS, SUITABILITY, CONDITION, QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR USE OR PURPOSE OF THIS REPORT OR THE INFORMATION CONTAINED OR REFERENCED THEREIN OR USED IN CONNECTION WITH THE PREPARATION THEREOF. ALL RISK IS ASSUMED BY THE USER. No liability to anyone is assumed, whether arising out of errors or omissions, negligence, accident or any other cause, for any loss or damage, including, without limitation, special, incidental, consequential, or exemplary damages.

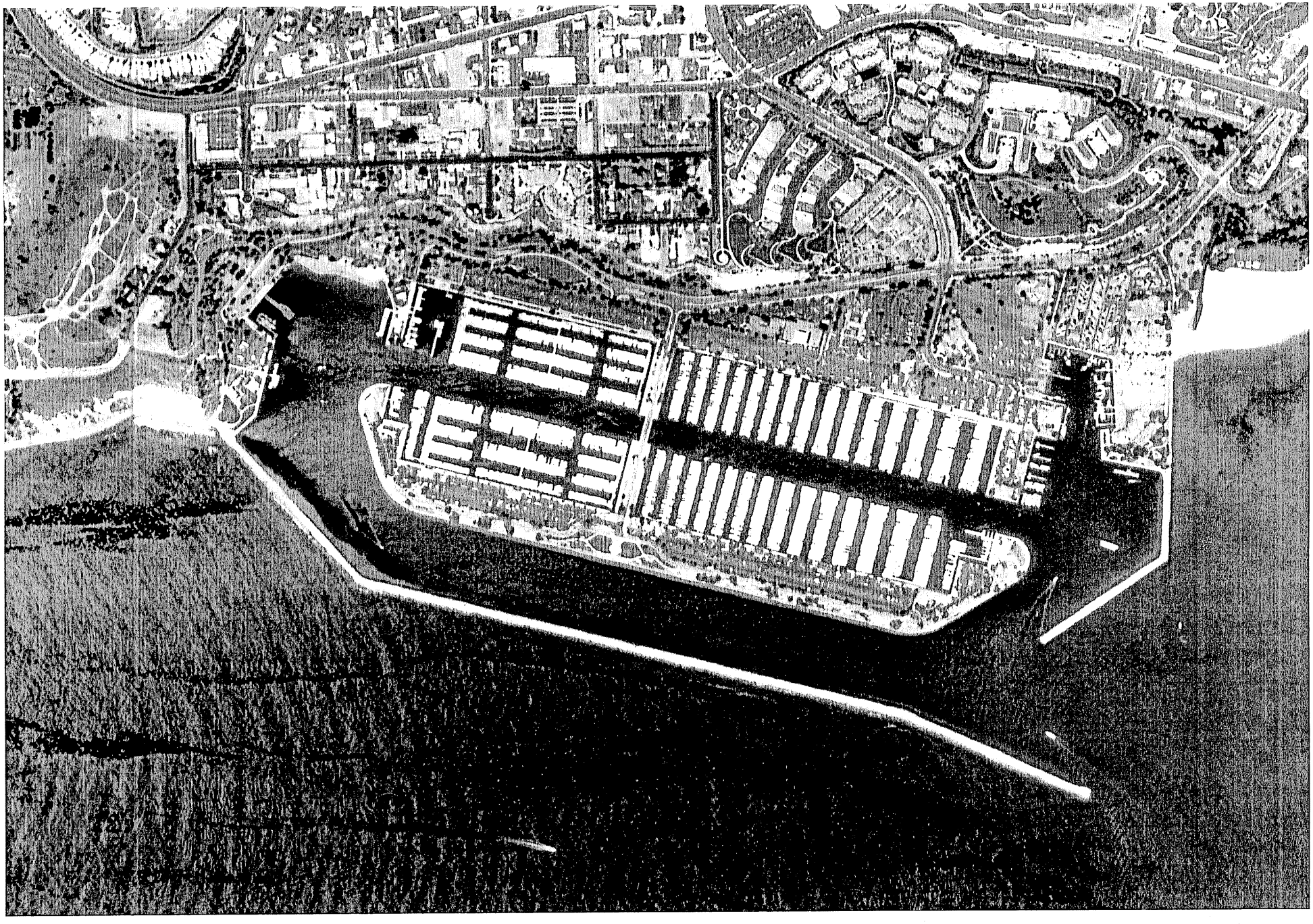
Entire contents copyright 2000 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and the edr logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners. Use of such trademarks does not constitute an endorsement by Environmental Data Resources, Inc., or its affiliates, of the organizations claiming ownership thereof or the information obtained from such organizations and contained herein.









The EDR-Historical Topographic Map Report

Dana Point Harbor
Dana Point Harbor
Dana Point, CA 92629

January 17, 2003

Inquiry Number: 911763-3

Environmental Data Resources, Inc.
an edr company

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

Environmental Data Resources, Inc.
Aerial Photography Print Service

Environmental Data Resources, Inc.'s (EDR) Aerial Photography Print Service is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2, page 11.

Aerial Photographs

Aerial photographs are a valuable historical resource for documenting past land use and can be particularly helpful when other historical sources (such as city directories or fire insurance maps) are not reasonably ascertainable. The EDR Aerial Photograph Print Service includes a search of aerial photograph collections flown by public and private agencies for the state of California. EDR's professional field-based researchers provide digitally reproduced historical aerial photographs at approximately ten year intervals.

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8a.m-8pm EST)
with questions or comments about your report.
Thank you for your business!

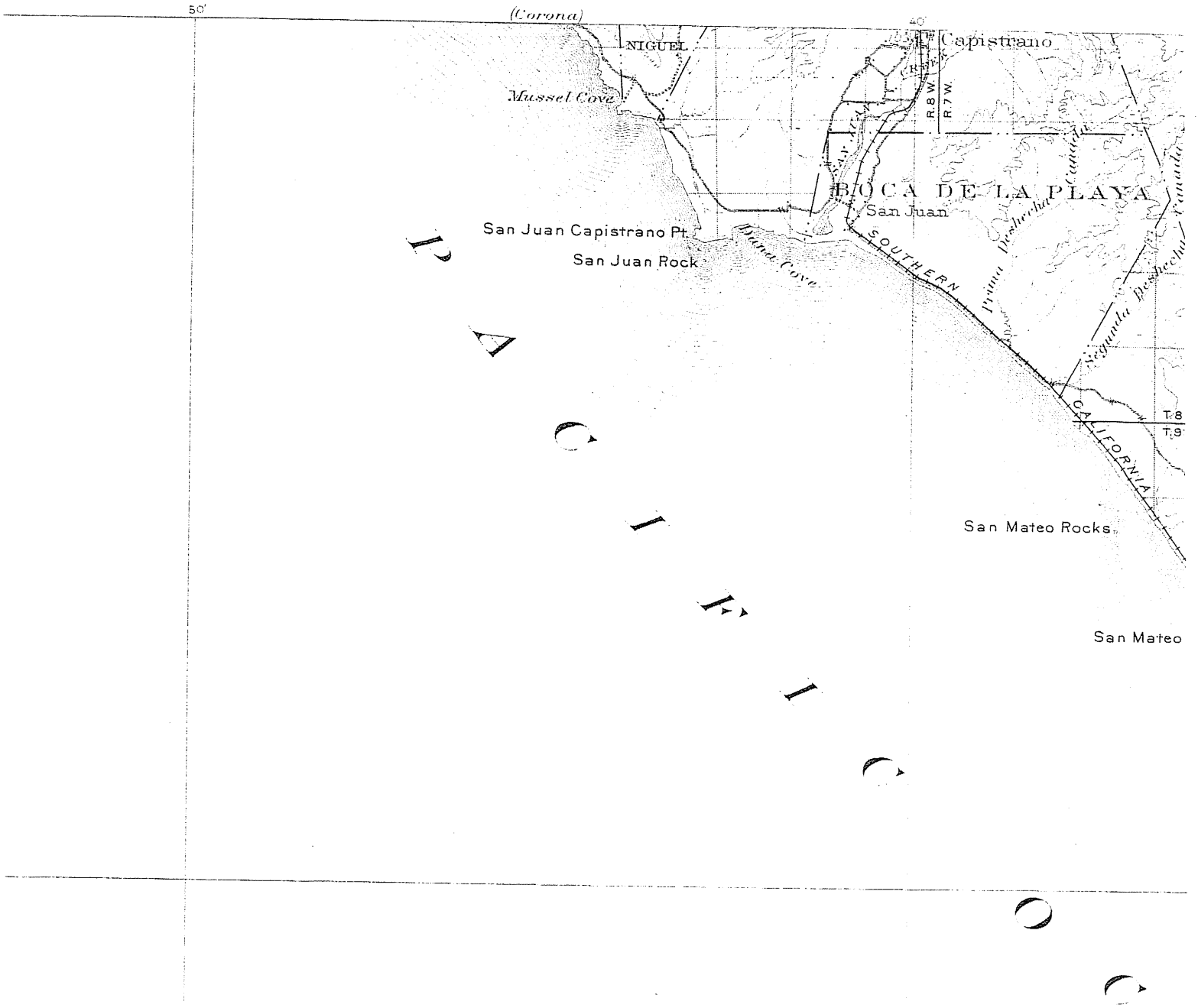
Disclaimer
Copyright and Trademark Notice

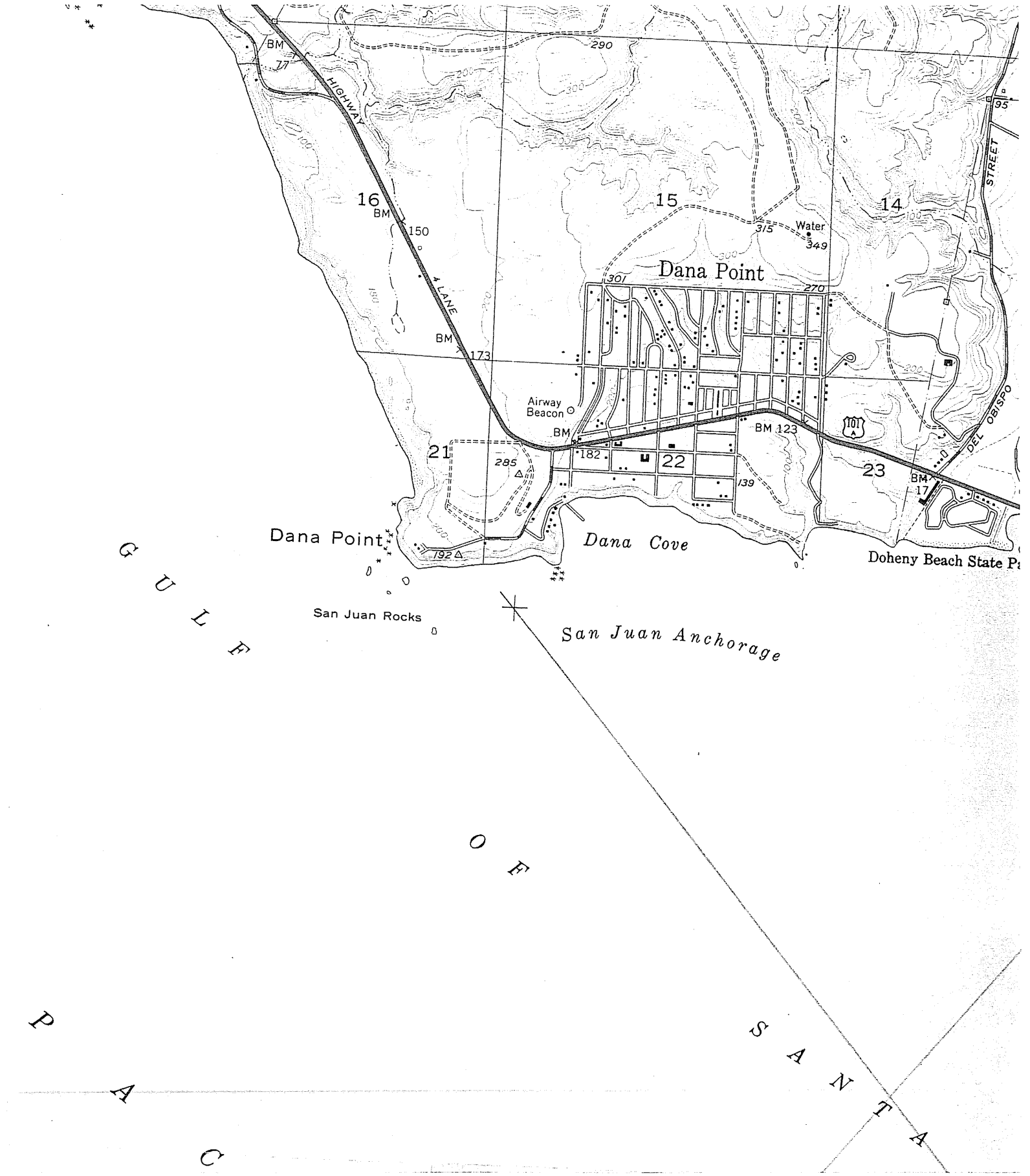
This report contains information obtained from a variety of public and other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES AS TO NON-INFRINGEMENT OF THIRD PARTY RIGHTS, ACCURACY, VALIDITY, COMPLETENESS, SUITABILITY, CONDITION, QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR USE OR PURPOSE OF THIS REPORT OR THE INFORMATION CONTAINED OR REFERENCED THEREIN OR USED IN CONNECTION WITH THE PREPARATION THEREOF. ALL RISK IS ASSUMED BY THE USER. No liability to anyone is assumed, whether arising out of errors or omissions, negligence, accident or any other cause, for any loss or damage, including, without limitation, special, incidental, consequential, or exemplary damages.

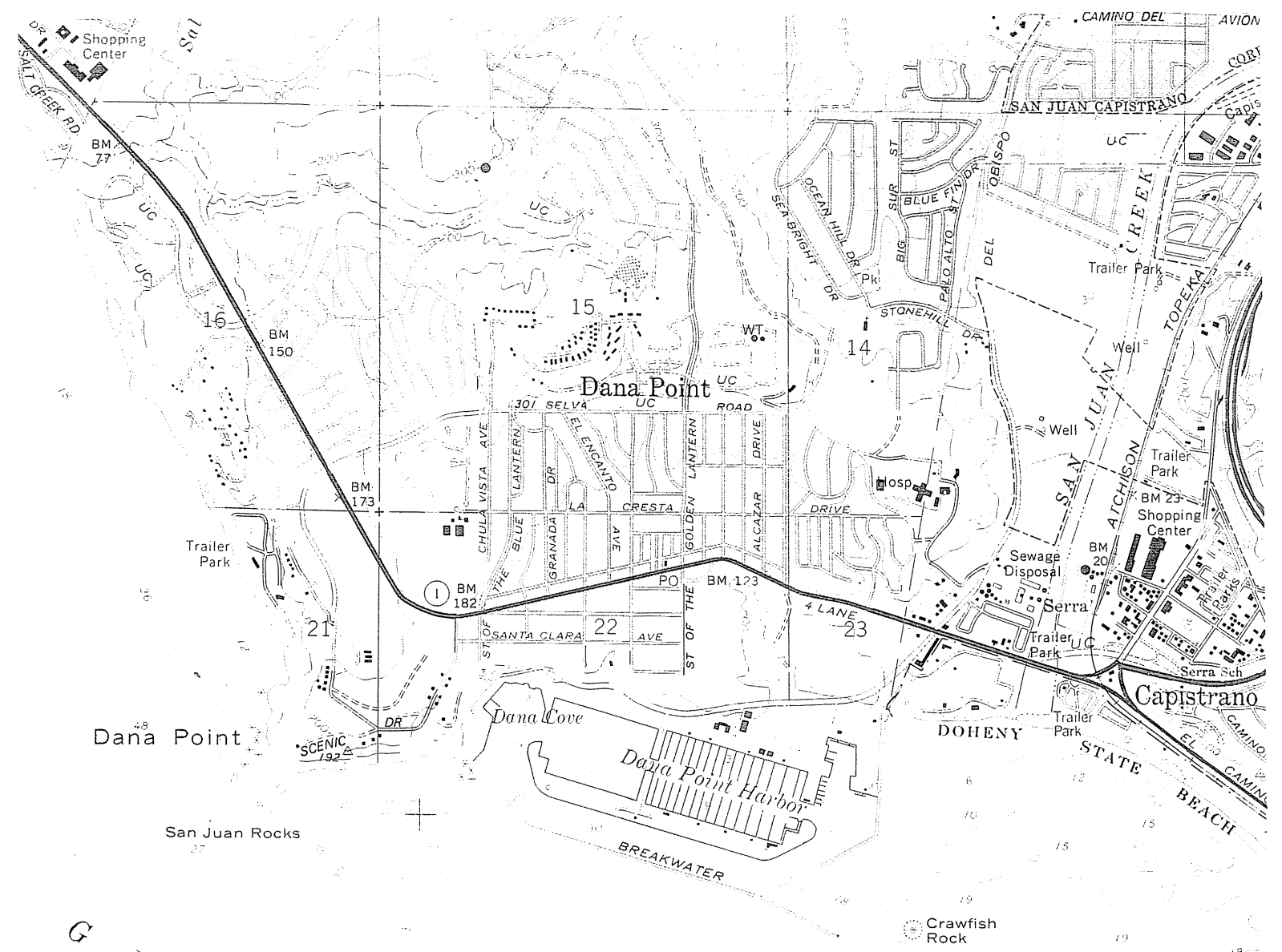
Entire contents copyright 2000 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

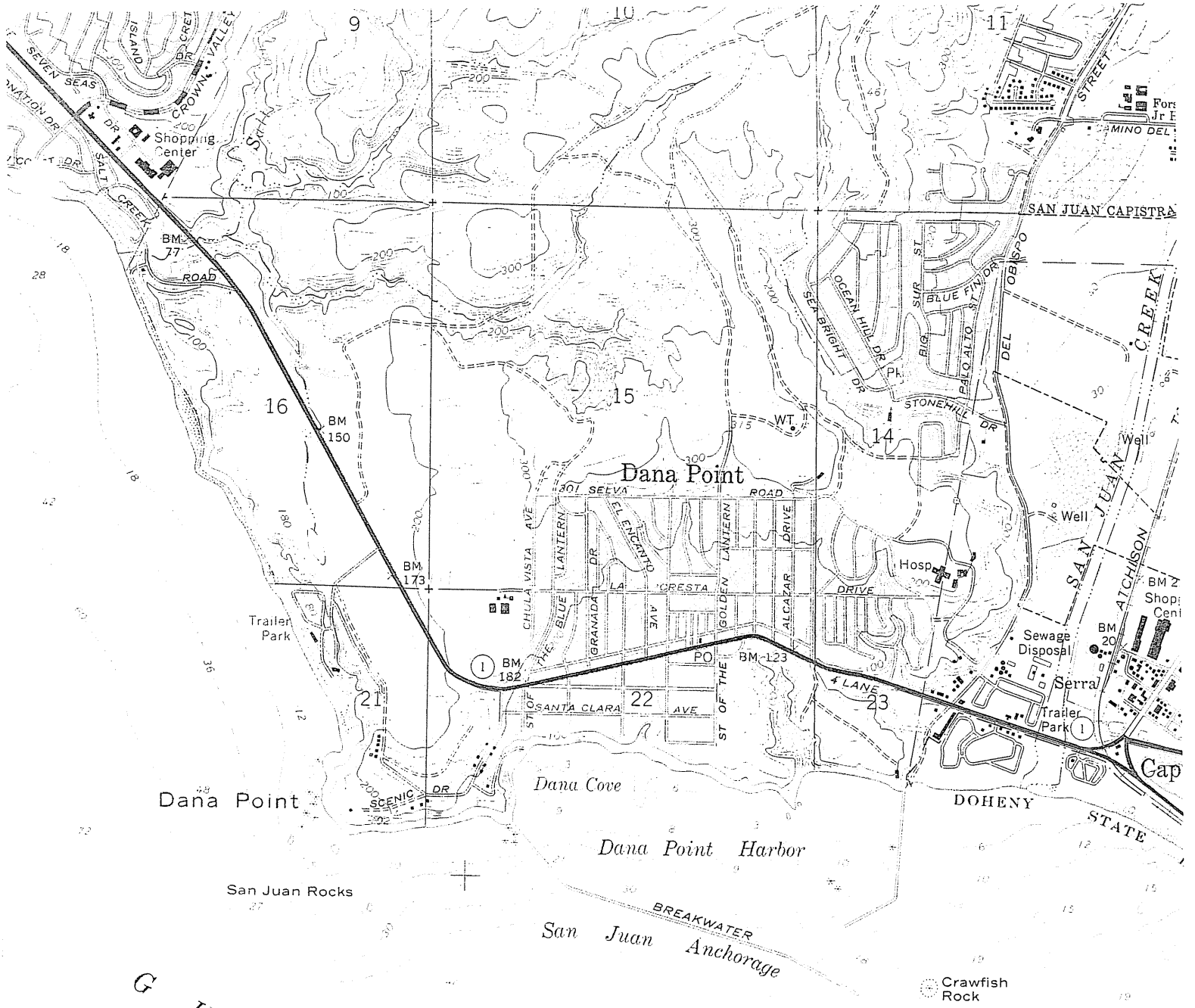
EDR and the edr logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners. Use of such trademarks does not constitute an endorsement by Environmental Data Resources, Inc., or its affiliates, of the organizations claiming ownership thereof or the information obtained from such organizations and contained herein.

TOPOGRAPHY


50'
(Corona)
NIGUEL
Mussel Cove
40'
Capistrano
R.8W.
R.7W.
BOCA DE LA PLAYA
San Juan
San Juan Capistrano Pt.
San Juan Rock
Dana Cove
SOUTHERN
Primera Desecho
Segunda Desecho
T.8
T.9
CALIFORNIA
San Mateo Rocks
San Mateo
PACIFIC
OCEAN


BM
177
HIGHWAY
290
200
300
100
95
STREET
16
BM
150
4 LANE
15
315
Water
349
14
Dana Point
301
270
BM
173
Airway
Beacon
BM
182
BM 123
101
DEL OBISPO
21
285
22
23
BM
17
Dana Point
Dana Cove
192
Doheny Beach State P
San Juan Rocks
San Juan Anchorage
GULF OF SANTA
PAC


Shopping Center
SALT CREEK RD
BM 77
UC
16
BM 150
15
WT
Dana Point
301 SELVA
ROAD
14
CAMINO DEL AVION
SAN JUAN CAPISTRANO
OCEAN HILL DR
SEA BRIGHT DR
SUR
BLUE FIN DR
OBISPO
BIG
PALO ALTO
DEL
Trailer Park
STONEHILL DR
TOPEKA
SAN JUAN CREEK
Well
Hosp
BM 173
CHULA VISTA AVE
LANTERN DR
EL ENCANTO
LA CRESTA
GOLDEN LANTERN
ALCAZAR
DRIVE
ATCHISON
BM 23
Shopping Center
Sewage Disposal
BM 20
Trailer Park
BM 182
PO
BM 123
4 LANE
21
22
23
ST OF THE BLUE
GRANADA AVE
ST OF THE GOLDEN
SANTA CLARA AVE
Serra
Trailer Park
Serra Sch
Capistrano
Dana Point
SCENIC 192
Dana Cove
Dana Point Harbor
DOHENY STATE BEACH
EL CAMINO
San Juan Rocks
BREAKWATER
Crawfish Rock
GULF OF SANTA CATALINA


Dana Point
Dana Point
Dana Cove
Dana Point Harbor
San Juan Rocks
San Juan Anchorage
Crawfish Rock
Shopping Center
Trailer Park
Trailer Park
Sewage Disposal
Hosp
Well
Well
Serra
Gap
SAN JUAN CAPISTRA
301 SELVA ROAD
CRESTA DRIVE
4 LANE
DOHENY STATE
BREAKWATER
SCENIC DR
SEVEN SEAS
SALT CREEK
ROAD
STONEHILL DR
SEA BRIGHT DR
OCEAN HILL DR
BLUE FIN DR
PALO ALTO
SAN JUAN CREEK
ATCHISON
CHULA VISTA
EL ENCANTO
GOLDEN LANTERN
ALCAZAR
GRANADA AVE
BLUE LANTERN
SANTA CLARA AVE
BM 77
BM 150
BM 173
BM 182
BM L23
BM 20
WT
PO
9
10
11
14
15
16
21
22
23
GULF
OF
CA
A
C
S
A

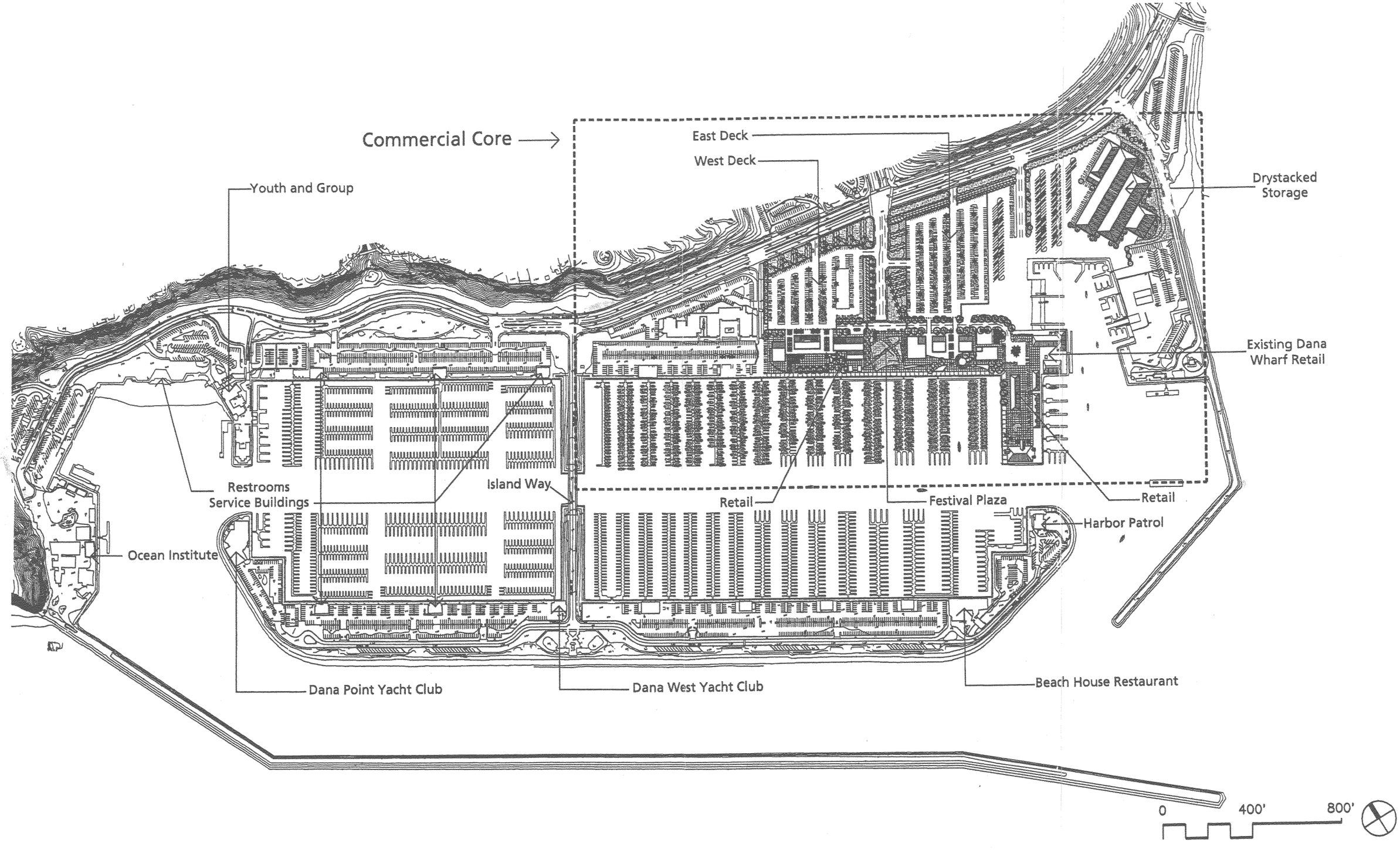


Figure 2.1.1
Overall Site Plan

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

REQUEST FOR HAZARDOUS WASTE RECORDS

The undersigned hereby requests a copy of the record prepared and maintained in the ordinary course of business concerned at or near the time of the act, condition, or event which they depict by the County of Orange Health Care Agency.

The records requested are public documents and are not protected by Federal or State confidentiality statutes. Nevertheless, should any confidential information pertaining to individuals or entities, corporations, partnerships, or organizations be inadvertently included in any of the records, the undersigned agrees to protect that confidentiality and recognized that unauthorized release or disclosure of confidential information may make the undersigned subject to civil action under provision of Federal and California statues.

The undersigned understands that the County will charge $0.15 per page copied. If request is to be canceled, this office must be notified at the above number within ten (10) days of receipt of request, otherwise cost incurred will be charged to the undersigned.

* 25005 Dana Point Harbor Drive, Dana Point 92629

Specific records are: **10 SITES PER REQUEST ONLY**

* 24500 Dana Point Harbor Drive, Dana Point 92629
* 345/2 Embarcadero Place, " "
* 34661 Puerto Place, " "
* 24501 Dana Point Harbor Drive, " "
* 24705 Dana Point Harbor Drive, " "

Records are required for the purpose of: Phase I Environmental Site Assessment

Richard Beck
SIGNATURE of Requester

Richard Beck
PRINT Name of Requester (and Company Name - if applicable)

14275 Alton Parkway — 949/855-3687
PRINT Street Address — Area Code & Phone Number

Irvine, CA 92618 — February 21, 2003
PRINT City, State & Zip Code — Date

F042-01.1957

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

REQUEST FOR HAZARDOUS WASTE RECORDS

The undersigned hereby requests a copy of the record prepared and maintained in the ordinary course of business concerned at or near the time of the act, condition, or event which they depict by the County of Orange Health Care Agency.

The records requested are public documents and are not protected by Federal or State confidentiality statutes. Nevertheless, should any confidential information pertaining to individuals or entities, corporations, partnerships, or organizations be inadvertently included in any of the records, the undersigned agrees to protect that confidentiality and recognized that unauthorized release or disclosure of confidential information may make the undersigned subject to civil action under provision of Federal and California statues.

The undersigned understands that the County will charge $0.15 per page copied. If request is to be canceled, this office must be notified at the above number within ten (10) days of receipt of request, otherwise cost incurred will be charged to the undersigned.

Specific records are: **10 SITES PER REQUEST ONLY**

* 34164 Pacific Coast Hwy, Dana Point 92629
* 34306 " "
* 34091 " "
* 34342 " "
* ~~24500~~ 34553 Casitas Place, Dana Point 92629

Records are required for the purpose of: Phase I Environmental Site Assessment.

Richard Beck.
SIGNATURE of Requester

Richard Beck
PRINT Name of Requester (and Company Name - if applicable)

14275 Alton Parkway — 949/855-3687
PRINT Street Address — Area Code & Phone Number

Irvine, CA 92618 — February 21, 2003
PRINT City, State & Zip Code — Date

F042-01.1957

Called & left msg.
2/4, 2/6, 2/10
2/11

RBF CONSULTING

January 27, 2003

REGIONAL WATER QUALITY CONTROL BOARD
Attention: Custodian of Records
9174 Sky Park Court, Suite 100
San Diego, California 92123

No Records on File.

SUBJECT: Request for Information/File Review Regarding Properties within the City of Dana Point, County of Orange, State of California

Dear Custodian of Records:

This document is within regards to properties located within the City of Dana Point, California. RBF Consulting (RBF) is currently conducting a Phase I Environmental Site Assessment for properties located within the vicinity of Dana Point Harbor. As part of the Assessment, RBF is to identify and examine surrounding land uses/properties that may have the potential to impact our site(s). The following properties are reported as LUST Sites and have not yet been issued a closure status by your Region:

Property Name	Address	RWQCB File Number
Tosco/Unocal Station #7329	34306 Pacific Coast Highway (PCH)	99UT15
Northern Trust Company	34091 PCH	9UT1352
Arco #0447	34342 PCH	9UT3191
Southern California Gas Co.	34271 Del Obispo Street	9UT1356
Dana Point Marina Co.	34553 Casitas Place	9UT3195
Embarcadero Marina	34512 Embarcadero Place	9UT3406
Dana Point Fuel Dock	34661 Puerto Place	9UT3041
KDL Services, Inc.	34661 Puerto Place	95UT14
Dana West Marina	24501 Dana Drive	9UT3198
Dana Point Marina	24705 Dana Drive	9UT3196/93UT81
Dana Point Harbor	25005 Dana Drive	9UT1698/9UT3231
Dana Point Harbor Patrol	25005 Dana Drive	90UT199

RBF would like to request a search of these addresses within your Region's files. If records are maintained, RBF would like to set up a file review for the above-mentioned properties. If there is anyway I can assist you in expediting this search request please let me know. Please do not hesitate to call me at 949-855-3687 with any questions you may have regarding this request.

Sincerely,

Richard Beck.

Richard Beck
Environmental Analyst

RBF CONSULTING

FAX COVER SHEET

DATE 2/21/03 FAX NUMBER 714-835-9312

TO Records Custodian COMPANY Co. of Orange HCA

FROM R. Beck TOTAL PAGES INCLUDING COVER SHEET 3

SUBJECT File Request

COMMENTS

Please see attached. Please notify me as soon as possible if files exist.

Thank you.

Richard Beck
949/855/3687

JOB NAME Dana Point JOB NUMBER —

PLEASE GIVE COPIES OF THIS TRANSMISSION TO —

SEND RETURN FAX TO:

___ **949.472.8373**
Computer Services
Construction Management
Corporate Management
Information Systems Services
Mapping
Special Services
Structural Engineering
Surveying

___ **949.454.8576**
Finance and Administration
Telecommunications

___ **949.472.8122**
Central Files
Land Development

___ **949.472.3742**
Water Resources

___ **949.586.6531**
Hydrology

___ **949.837.8007**
Business Development
Marketing
Media Services

X Transportation/Public Works

949.837.4122
Environmental Services
Planning
Urban Design Studio

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION. NO PORTION OF THIS DOCUMENT MAY BE EXTRACTED OR REPRODUCED FOR ANY PURPOSES WITHOUT THE ADVANCE PERMISSION OF RBF CONSULTING.

If there are any questions, or if you do not receive all documents, please call us.

14725 Alton Parkway, Irvine, CA 92618-2027 ■ P.O. Box 57057, Irvine, CA 92619-7057 ■ 949.472.3505

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

HAZARDOUS WASTE INFORMATION CHECKLIST

Please check the appropriate items below. This will enable us to search the actual files that you need, therefore, cutting down the time spent searching for records that you may not want.

SITE SPECIFIC INFORMATION

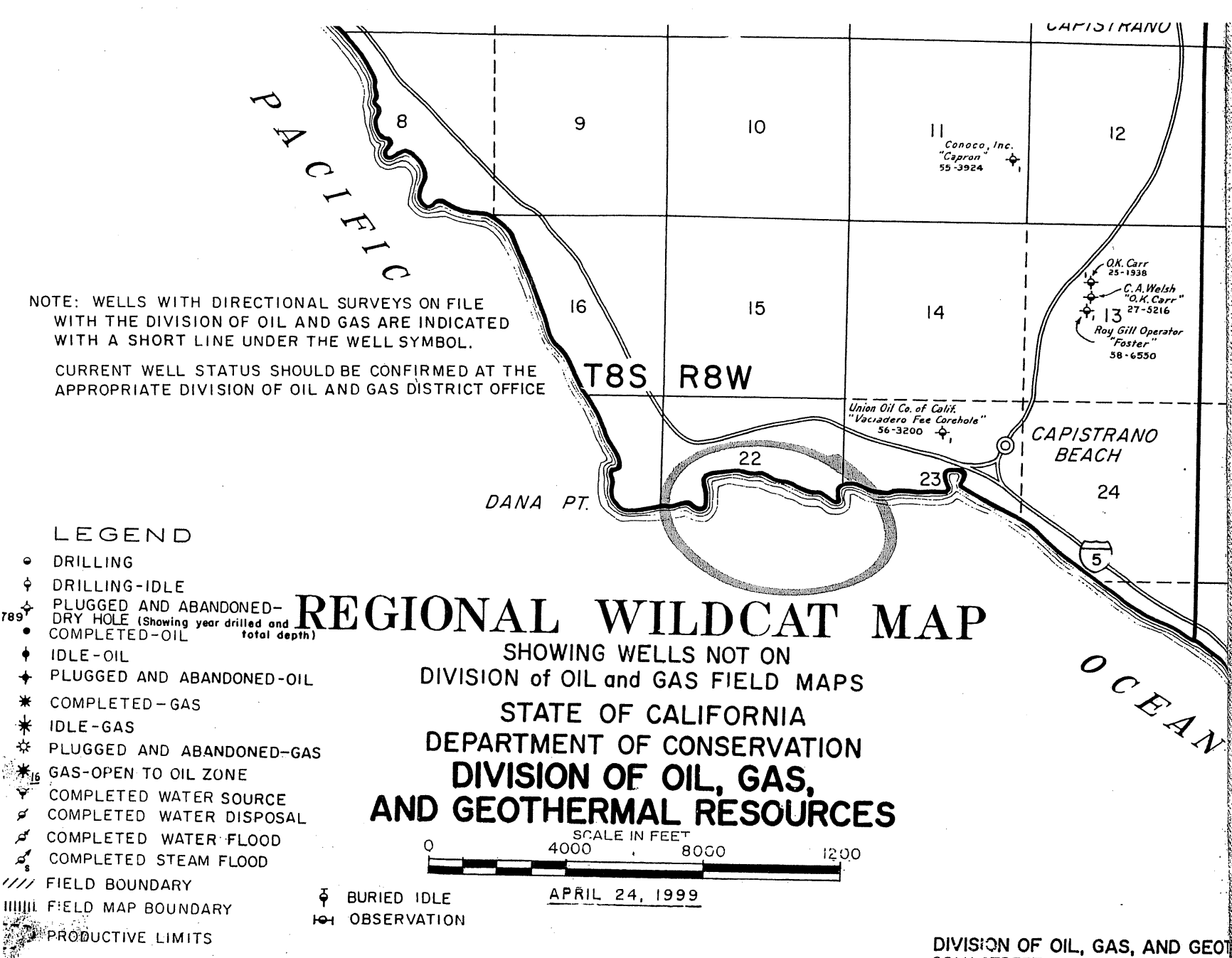
- [X] Hazardous Waste Generator files (complete file)
- [ ] Tiered Permitting
- [X] Underground Storage Tank files (complete file)
- [X] Leaking Underground Storage Tank cleanup
- [X] Hazardous Waste site cleanup (industry cleanup)
- [ ] Sold Waste Facility File (large files – need to be specific)
- [ ] Hazardous Waste Spill Response Logs (emergency incidents)
- [ ] Hazardous Waste Underground Storage Tank and Infectious Waste Investigation request files (complaints regarding the above)
- [ ] Proposition 65 reports
- [ ] Certified Unified Program Agency (CUPA)
- [ ] Infectious Waste (Medical Waste)

(any files for these on-site properties will help).

LISTS INFORMATION

- [ ] List of Underground Storage Tank facilities (computer printout for all of Orange County)
- [ ] List of Underground Storage Tank cleanups (computer printout for all of Orange County)
- [ ] List of Hazardous Waste Generator facilities (computer printout for all of Orange County)
- [ ] List of Industrial Cleanup Sites
- [ ] List of O.C. Environmental Health Division UST Facilities Meeting 1998 Upgrade Criteria
- [ ] List of pending solid waste Facilities Permit applications
- [ ] Solid Waste Facility Inventory Report (includes old solid landfills)

OTHER INFORMATION _____



NOTE: WELLS WITH DIRECTIONAL SURVEYS ON FILE WITH THE DIVISION OF OIL AND GAS ARE INDICATED WITH A SHORT LINE UNDER THE WELL SYMBOL.

CURRENT WELL STATUS SHOULD BE CONFIRMED AT THE APPROPRIATE DIVISION OF OIL AND GAS DISTRICT OFFICE

LEGEND

- DRILLING
- DRILLING-IDLE
- 789 PLUGGED AND ABANDONED-DRY HOLE (Showing year drilled and total depth)
- COMPLETED-OIL
- IDLE-OIL
- PLUGGED AND ABANDONED-OIL
- COMPLETED-GAS
- IDLE-GAS
- PLUGGED AND ABANDONED-GAS
- 16 GAS-OPEN TO OIL ZONE
- COMPLETED WATER SOURCE
- COMPLETED WATER DISPOSAL
- COMPLETED WATER FLOOD
- W_S COMPLETED STEAM FLOOD
- //// FIELD BOUNDARY
- IIIIII FIELD MAP BOUNDARY
- PRODUCTIVE LIMITS
- BURIED IDLE
- OBSERVATION

REGIONAL WILDCAT MAP

SHOWING WELLS NOT ON
DIVISION of OIL and GAS FIELD MAPS

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

SCALE IN FEET
0 4000 8000 12000

APRIL 24, 1999

DIVISION OF OIL, GAS, AND GEOT
801 K STREET, MS 20, SACRAMENTO,

W 1-4 ORANGE, RIVERSIDE, SAN BERNARDINO COUN

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RBF CONSULTING
RICHARD BECK
14275 ALTON PARKWAY
IRVINE, CA 92618

CERTIFICATION OF NO RECORDS

I, the undersigned, being the Custodian of Records for the County of Orange, Health Care Agency, certify that a thorough search of our files, carried out under my direction and control, revealed no hazardous waste records regarding 34091, 34342 PACIFIC COAST HWY. DANA POINT, CA.

It is understood that such records could exist under another spelling, name, or classification, but with the information furnished to this office and to the best of our knowledge, no such records exist in our files.

The Health Care Agency may not be the only source of records. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

Sue Warnke, ART
Custodian of Records
Health Care Agency

DATE: April 24, 2003
CERT#: 100600

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RE: 34553 CASITAS PL.
DANA POINT, CA

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 24th day of April, 2003.

Sue Warnke, ART
Custodian of Records
Health Care Agency

CERT: 100600

COUNTY OF ORANGE
HEALTH CARE AGENCY

RONALD R. DILUIGI
INTERIM DIRECTOR

HUGH F. STALLWORTH, M.D., MPH
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

September 21, 1998

Doug Whitlock
Dana Point Marina Company
24701 Dana Drive
Dana Point, CA 92629

Subject: Destruction of Monitoring Wells

RE: Remedial Action Completion Certification Case #93UT82
Dana Point Marina Co.
34553 Casitas Place, Dana Point, CA

Dear Mr. Whitlock:

This Agency's records indicate that one monitoring well was constructed at the above-described location as part of a site investigation and remedial action. A review of our well destruction permits indicates that some or all of the wells at this site have not been destroyed. If the described well is no longer in use, a well destruction permit application must be submitted to this Agency for review and approval, and the wells must be properly destroyed by a C-57 licensed drilling contractor. In accordance with Orange County Ordinance No. 2607 Section 4-5-19, wells that have not been used for a period of one year are considered abandoned and must be destroyed. If you intend to use an abandoned well in the future, you must declare in writing and receive approval of such declaration from the Orange County Well Standards Advisory Board. All such declarations must be renewed annually and at such time be resubmitted to the Board for approval.

A well destruction permit application and a well destruction specification sheet is attached for your information.

If you have any questions or require additional information regarding this matter, please feel free to contact Dan Matsui at (714) 667-3758 or Dan Yokoyama at (714) 667-3657.

Very truly yours,

Larry W. Honeybourne
Environmental Health Engineering Specialist
Water Quality Section
Environmental Health Division

LWH:dap
Attachment: Well Destruction Packet

cc: Harrison/Roberts, Environmental Management
Karen L. Hodel, Program Manager, Hazardous Materials Mitigation Section

COUNTY OF ORANGE

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

TOM URA
DIRECTO
HUGH F. STALLWORTH, M.
HEALTH OFFICE
ENVIRONMENTAL HEALTH DIVISIO
ROBERT E. MERRYMAN, REHS, MPI
DEPUTY DIRECTO

August 1, 1995

Doug Whitlock
Dana Point Marina Company
24701 Dana Drive
Dana Point, CA 92629

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
Dana Point Marina Co.
34553 Casitas Place
Dana Point, CA
O.C.H.C.A. Case #93UT82

Dear Mr. Whitlock:

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above described location. Enclosed is the Case Closure Summary regarding the above-referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please telephone James Strozier at (714) 667-3711 if you have any questions regarding this matter.

Sincerely,

Robert E. Merryman

Robert E. Merryman, REHS, MPH, Director
Environmental Health Division

REM:JS:vp

Attachment

cc: John Odermatt, San Diego Regional Water Quality Control Board
Mike Harper, State Water Resources Control Board
Larry Honeybourne, Environmental Health Division
Karen L. Hodel, Environmental Health Division
Rich Adler, County of Orange

COUNTY OF ORANGE

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3600
FAX: (714) 972-0749

FAXED
JUN 12 1995
BY: _____

• FAX TO THE FOLLOWING NUMBER: (619) 571-6972

THE FOLLOWING PAGES ARE FOR:

• Name of Individual: John Odermatt

• Firm Name: S.D.R.W.Q.C.B.

• Documents Transmitted: Closure Summary

• Comments: Please review and contact me as soon as possible on this closure.

Thanks.

JCS

• From: J. Stonier (667-3771)
HCA/Environmental Health

TOTAL NUMBER OF PAGES:

• This information Sheet plus 16 Page(s)

• Date: 6/12/95 • Time: 11:05 a.m. _____ p.m.

If you do not receive all the pages, PLEASE CALL (714) 667-3771 AS SOON AS POSSIBLE.

FAX Operator: Mary P.

EH 275 AD

Case Closure Summary

Leaking Underground Fuel Tank Program

I. Agency Information

Date: 6-8-95

Agency Name:	**County of Orange**	Address:	**2009 E. Edinger Ave.**
City/State/Zip:	**Santa Ana CA. 92705**	Phone:	**667-3700**
Responsible staff person:	**James Strozier**	Title:	**Hazardous Waste Specialist**

II. Case Information

Site Facility Name:	**Dana Point Marina Company**	
Site Facility address:	**34553 Casitas Place, Dana Point, CA**	
RB LUSTIS Case No.	Local Case No. **93UT82**	LOP Case No: **93UT82**
URF filing date:	SWEEPS No.	
Responsible Parties	Addresses	Phone Numbers
Dana Point Marina Company/Doug Whitlock	**24701 Dana Drive, Dana Point, CA**	**(714) 496-6137**

Tank No	Size in Gal.	Contents	Closed in Place/Removed?	Date
1	**150**	**Waste Oil**	**Removed**	**10-14-93**
2				
3				

III. Release and Site Characterization Information

Cause and type of release: **Unknown**		
Site characterization complete **Yes**	Date approved by oversight agency: **1-20-94**	
Monitoring Wells Installed? **yes**	Number: **1**	Proper screened interval? **yes**
Highest GW depth BGS: **6.5 ft.**	Lowest depth: **6.5 ft.**	Flow direction: **tidal influence**
Most Sensitive Current Use: **No Designated Beneficial Uses**		
Are drinking water wells affected **No**	Aquifer name:	
Is surface water affected **No**	Nearest/affected SW name: **NA**	
Off-site beneficial use impacts (addresses/locations): **NA**		
Report(s) on file? **Yes**	Where is report(s) filed? **County of Orange**	

Treatment and Disposal of Affected Material

Material	Amount (include Units)	Action (Treatment or Disposal/Destination)	Date
Tank	**1 U.S.T.s**	**American Metal Recycling, Ontario, CA**	**10-15-93**
Piping			
Free Product			
Soil	**18 cubic yards**	**Gibson Environmental, Bakersfield, CA**	**1-20-94**
Gasoline/Vapor			

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (418.1)	20800	260			Trichbroethene	.52	ND	ND	
Benzene	ND	ND	ND		Tetrachloroethene	4.9	ND	ND	
Toluene	7.1	ND	ND		TPH (8015)			ND	
Xylene	82	ND	ND						
Ethylbenzene	23	ND	ND						

Comments (Depth of Remediation, etc.):

The underground tank was removed in October 1993. The contaminated soil was excavated and transported for recycling. Verification samples were collected from the excavation and were non detect for BTXE and chlorinated hydrocarbons, but contained 260 ppm TPH in one sample. However, (cont.)

IV. Closure

Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **Yes**		
Does completed corrective action protect *potential* beneficial uses per the regional Board Basin Plan? **Yes**		
Does corrective action protect public health for current land use? **Yes**		
Site Management requirements: **None**		
Should corrective action be reviewed if land use changes? **No**		
Monitoring wells Decommissioned: **no**	Number Decommissioned: **NA**	Number Retained: **1**
List enforcement actions taken: **None**		
List enforcement actions rescinded:		

V. Local Agency Representative Data

Name: **James Strozier**		Title: **Hazardous Waste Specialist**	
Signature: James C. Strozier	Karen J. Hadel 6/12/95		Date: **6-8-95**

VI. RWQCB Notification

6/12/95

Date Submitted to RB: 6/12/95	RB Response: Concurs with Closure	
RWQCB Staff Name: **John Odermatt**	Title: **Associate Engineering Geologist**	Date: 7/25/95

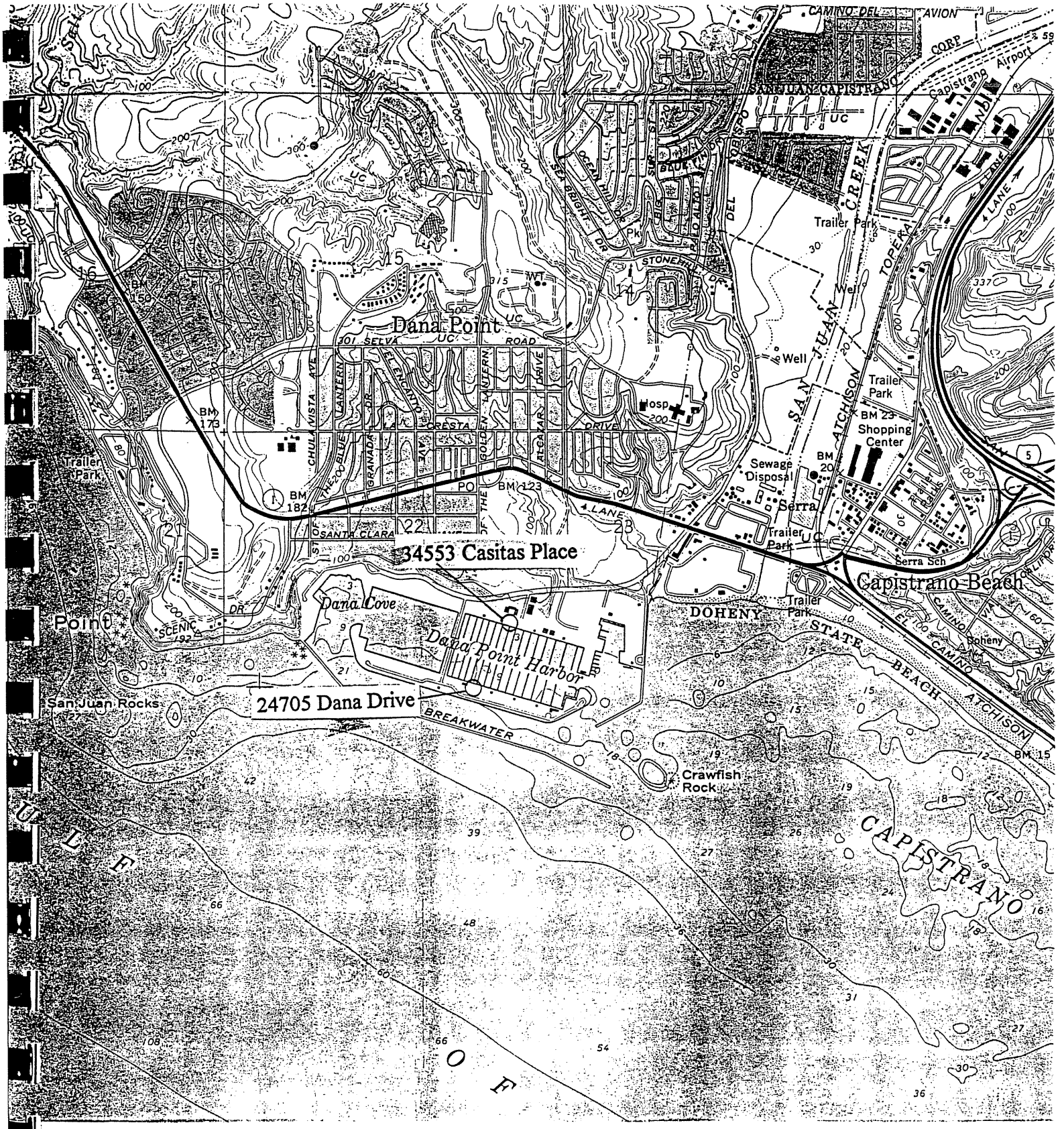
VII. Additional Comments, Data, etc.

due to the close proximity to groundwater (the site is located about 20 feet from the boat docks at the Harbor with water found at 8-9 ft. b.g.), testing of the groundwater was required by this Agency. A monitoring well was installed in the former excavation after it was backfilled. The monitoring well was purged and sampled on March 3, 1995. The sample was analyzed for TPH, BTXE, and Halogenated hydrocarbons. All compounds were ND. Based upon the excavation and disposal of the contaminated soil and the results of the ground water testing, the R.P. and consultant are (continued)

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file. Revised: 9/27/93

requesting closure of the case. The 260 ppm TPH represents a very small area of remaining soil contamination which the consultant estimates to be less than one cubic yard. It appears from the groundwater testing that the residual hydrocarbons are not having any impact on the groundwater.

(see attached tables and maps)


Dana Point
34553 Casitas Place
24705 Dana Drive
Dana Cove
Dana Point Harbor
Capistrano Beach
San Juan Capistrano
Doheny State Beach
Crawfish Rock
San Juan Rocks
Dana Point Harbor Point
Trailer Park
Sewage Disposal
Shopping Center
Serra Sch
Hosp
Well
Pk
WT
BM 182
BM 173
BM 150
BM 123
BM 20
BM 23
BM 15
PO
Camino Del Avion
Corp Airport
Capistrano Beach
Via Cabrillo
Del Obispo
Blue Lantern
Ocean View Dr
Sea Bright Dr
Stonehill Dr
Del Cerro
Del Dios
Del Obispo
Del Oro
Del Rey
Del Rio
Del Sol
Del Valle
Del Verde
Del Viento
Del Vista
Del Vuelo
Del Zorro
Del Mar
Del Norte
Del Oeste
Del Este
Del Sur
Del Centro
Del Medio
Del Lago
Del Monte
Del Prado
Del Rancho
Del Rosario

FIELD ACTIVITY DESCRIPTION

Dana Point Marina Co. - 24701 Dana Dr. Dana Point
Facility Name — Address

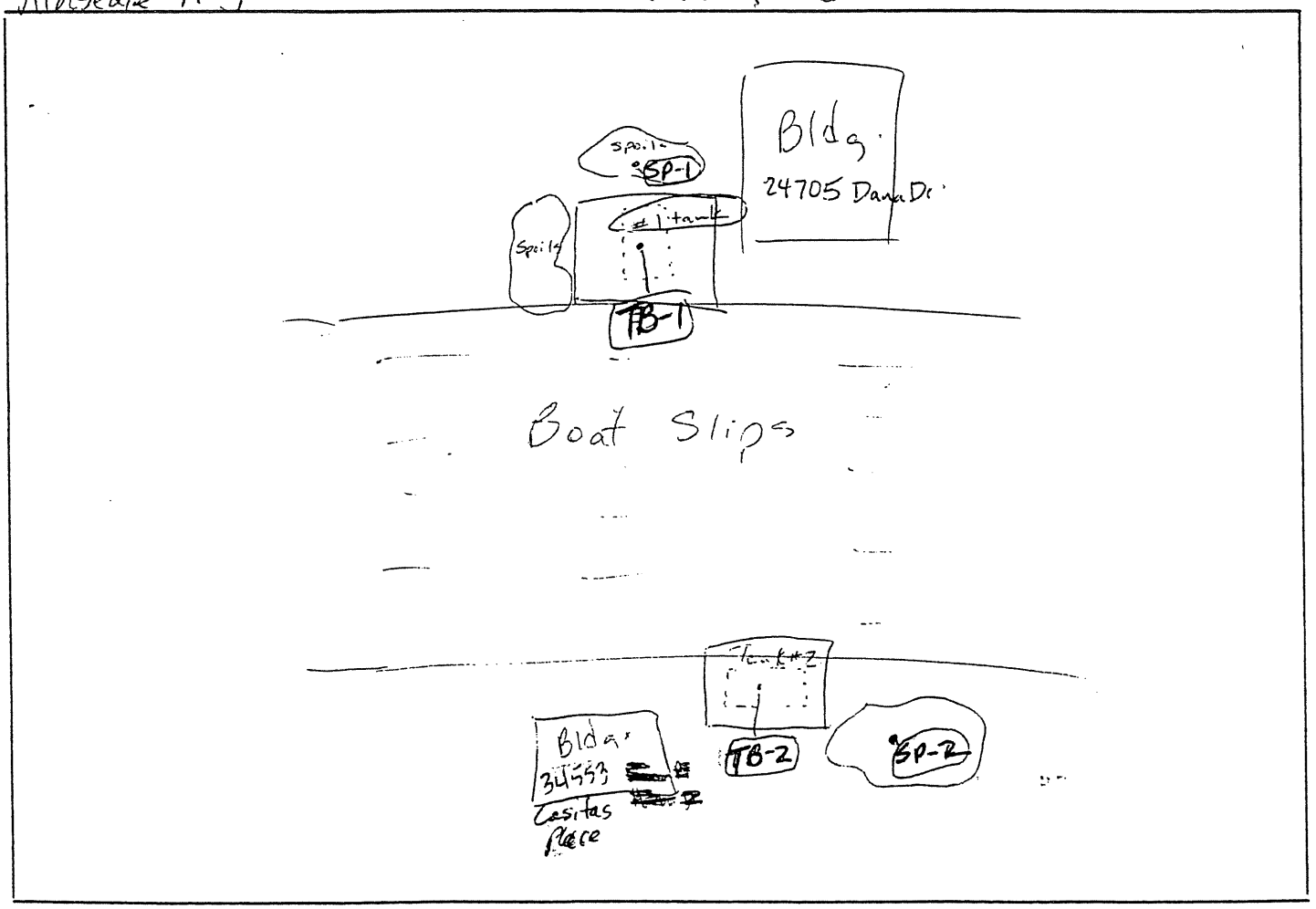
PC # 93-191 TI # _____ LUST # _____ IR # _____

Inspector: Brenda Jo Robertson Date: 10-14-93 Time: 11:00am

Field Activity: On site to witness removal of 2-150 gallon waste oil tanks. One located at each side of boat slips in the harbor. Contamination is evident at the #1 tank location and odors of waste oil is prominent. 2 samples taken as indicated below.

#2 tank on Dana Point Harbor Dr. = tank has two bunge holes on top and one inside, which is not closed off. Contamination also evident at this site and odors are noticable. Samples taken at location indicated.

Tanks to AMR
Rinseate A&J



COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RE: 34306 PACIFIC COAST HWY.
DANA POINT, CA

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 24th day of April, 2003.

Sue Warnke, ART
Custodian of Records
Health Care Agency

CERT: 100600

BLOCK ENVIRONMENTAL

May 17, 2002

Mr. Jim Stozier
Orange County Health Care Agency
Hazardous Materials Management
2009 East Edinger Avenue
Santa Ana, California 92705

SITE: 76 STATION NO. 7329
34306 PACIFIC COAST HIGHWAY
DANA POINT, CALIFORNIA
OCHCA Case No 99UT15

SUBJECT: TRANSMITTAL OF WORK PLAN FOR ADDITIONAL SITE ASSESSMENT AND PREPARATION OF A SITE CONCEPTUAL MODEL

Dear Mr. Strozier:

Block Environmental submits this Work Plan for Additional Site Assessment for 76 Station No. 7329, located at 34306 Pacific Coast Highway, Dana Point, California. The proposed activities include the installation of two offsite groundwater monitoring wells, the collection of soil and groundwater samples, and preparation of a site conceptual model.

If you have any questions regarding this work plan, please call me at (949) 455-0325.

Sincerely,

BLOCK ENVIRONMENTAL

Stephen T. Defibaugh, R.G., C.HG.
Vice President

Enclosure

cc: Dan Fischman, Tosco Marketing, E.R.C. (2 copies)
Nancy Olson-Martin, SARQCB

23265 South Pointe Drive, Ste. 100
Laguna Hills, CA 92653
TEL 949•455•0325 FAX 949•455•1958

2929 North Central Avenue, Ste. 1500
Phoenix, AZ 85012
TEL 602•263•4737 FAX 602•263•4738

WORK PLAN FOR ADDITIONAL SITE ASSESSMENT

76 STATION NO. 7329
34306 Pacific Coast Highway
Dana Point, California
OCHCA Case #99UT15

May 17, 2002

Prepared For:

Tosco Marketing - ERC
P.O. Box 25376
Santa Ana, California 92799

Prepared By:

BLOCK ENVIRONMENTAL
23265 South Pointe Drive, Suite 100
Laguna Hills, California 92653

TABLE OF CONTENTS

Section — Page

1.0 INTRODUCTION 1

1.1 Background 1
1.2 Objective 3

2.0 WORK PLAN 3

2.1 Scope of Work 3
2.2 Pre-Field Activities 3
2.3 Drilling and Soil Sampling 4
2.4 Groundwater Monitoring Well Installation 4
2.5 Fluid-Level Monitoring, Surveying, and Groundwater Sampling 5
2.6 Laboratory Analysis 5
2.7 Additional Site Assessment Report 6

3.0 WORK SCHEDULE 6

4.0 HEALTH AND SAFETY PLAN 6

Figures

1 Index Map
2 Proposed Monitoring Well Locations

1.0 INTRODUCTION

This plan describes proposed additional site assessment activities to be performed at 76 Station No. 7329, located at 34306 Pacific Coast Highway, Dana Point, California. The proposed scope of additional work includes the advancement of two additional groundwater monitoring wells drilled to approximately 20 feet below ground surface (bgs), at an off-site location hydraulically downgradient from the detected dissolved-phase hdrocarbon plume. A site conceptual model will also be prepared. See Figure 1 for an Index Map.

1.1 Background

The site is presently an active gasoline service station. Two 15,000-gallon gasoline and one 12,000-gallon diesel underground storage tanks (USTs) are currently on-site.

In 1987, one waste oil tank was removed. Total recoverable petroleum hydrocarbons (TRPH) and tetrachloroethene (PCE) were detected at concentrations of 4,350 parts per million (ppm) and 0.03 ppm, respectively, in soil samples collected from the bottom of the waste oil tank cavity. Between 1988 and 1991, three groundwater monitoring wells and eleven soil boring were drilled and sampled. TPH and benzene concentrations up to 7,000 and 1,740 parts per billion (ppb), respectively, were detected in the groundwater (encountered at a depth of approximately 10 feet below grade). During 1990 and 1991, 173.5 tons of waste oil-affected soil was excavated and during 1992, approximately 2,700 gallons of water were removed from the excavation area. A Remedial Action Completion Certification was issued by OCHCA In January 1996. No further action related to the waste oil UST release was required. Historical reports did not indicate when groundwater monitoring wells were properly abandoned.

During October 1998, the product USTs were upgraded and piping, dispensers and electric lines were replaced. Laboratory data indicated that total petroleum hydrocarbons as gasoline (TPHg),

total petroleum hydrocarbons as diesel (TPHd), methyl tertiary butyl ether (MTBE), and benzene were detected.

During August 2000 and March 2001, six groundwater monitoring wells were installed to determine the impact of the petroleum release on groundwater. Although the full extent of hydrocarbon-affected soil in the vadose zone appears to be identified, elevated TPHg (up to 130,000 ppb), TPHd (up to 5,300 ppb), benzene (up to 14,000 ppb), and MTBE concentrations (up to 110,000 ppb) were detected in aqueous samples collected from the groundwater monitoring wells, indicating that a significant dissolved-phase hydrocarbon plume exists beneath the site.

During October 12, 2001, one additional monitoring well (MW-7) was drilled and installed to approximately 21.5 feet bgs. Results of laboratory analysis of soil samples collected from the MW-7 soil boring indicated that analytes were detected in minor concentrations beneath the capillary fringe. TPHg(up to 15 ppm), benzene (up to 0.13 ppm), and MTBE (up to 0.048 ppm) were detected. The estimated direction of groundwater flow is south to east. The full extent of dissolved-phase hydrocarbon compound migration does not appear to be presently defined to the south and southeast (off-site).

The site is located above the San Juan Groundwater Basin. The area is listed by the San Diego Regional Water Quality Control Board (SDRWQCB) as the Lower San Juan Hydrologic Subarea (901.27) of the Mission Viejo Hydrologic Area (901.20), which is part of the San Juan Hydrologic Unit (901.00)[1]. Groundwater from the Lower San Juan Hydrologic Subarea is designated by the SDRWBCB as having existing beneficial use for municipal, agricultural, industrial service, and industrial purposes. The beneficial use area underlies north of Pacific Coast Highway (beneath the site), and a non-beneficial use area underlies the area directly south of the north side of Pacific Coast Highway.

[1] State Water Resources Control Board, 1995, *Water Quality Control Plan for the San Diego Basin (9).*

TRC

Customer-Focused Solutions

October 13, 2002

Orange County Health Care Agency
Environmental Health Division
2009 East Edinger Avenue
Santa Ana, CA 92705

ATTN: MR. JAMES STROZIER

SITE: 76 STATION 7329
34306 PACIFIC COAST HIGHWAY
DANA POINT, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2002

Dear Mr. Strozier:

Please find enclosed our Quarterly Monitoring Report for 76 Station 7329, located at 34306 Pacific Coast Highway, Dana Point, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan

Anju Farfan
Staff Scientist

cc: Dan Fischman, Phillips 66 Company
Stephen Defibaugh, Block Environmental

Enclosures
20-0400/7329R07.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

TRC

Customer-Focused Solutions

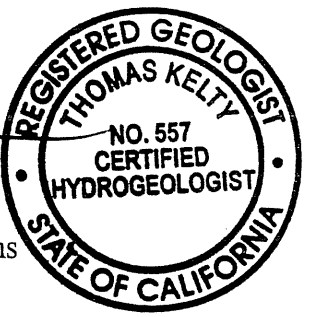
THIRD QUARTER 2002
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT
October 13, 2002

76 STATION 7329
34306 Pacific Coast Highway
Dana Point, California

Prepared For:

Mr. Dan Fischman
PHILLIPS 66 COMPANY
3525 Hyland Avenue
Costa Mesa, California 92626

By:



Senior Project Geologist, Irvine Operations

TRC
21 Technology Drive
Irvine, California 92618

GROUNDWATER MONITORING REPORT

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Summary of Groundwater Levels and Chemical Analysis Results Table 2: Historic Groundwater Levels and Chemical Analysis Results Table 3: Summary of Additional Chemical Analysis Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Benzene Concentrations vs. Time Hydrograph
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Disposal Documents	Disposal/ Treatment Manifests
Statement	Limitations

Summary of Gauging and Sampling Activities
July 2002 through September 2002
76 Station 7329
34306 Pacific Coast Highway
Dana Point, CA

Site Information:

Site:	76 Station 34306 Pacific Coast Highway Dana Point, CA
Project Coordinator/Phone Number:	Dan Fischman/714-428-7717
Groundwater wells onsite:	5
Groundwater wells offsite:	2

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	9/13/02
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	diaphragm pump
Treatment/disposal method during sampling event:	Crosby and Overton treatment facility
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	7.96
Maximum depth to groundwater (feet bgs):	11.12
Average groundwater elevation (feet relative to mean sea level):	8.16
Average change in groundwater elevations since previous event (feet):	0.68
Groundwater gradient and flow direction:	0.001 ft/ft, southwest
Previous gradient and/or flow direction (and date):	0.001 ft/ft, southwest (6/19/02)

Groundwater Condition (Benzene Maximum Contaminant Level [MCL] = 1.0 µg/l)

Wells with benzene concentrations below MCL:	2
Wells with benzene concentrations at or above MCL:	5
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	12000 (MW-2)
Minimum MTBE concentration (µg/l):	7.1
Maximum MTBE concentration (µg/l):	170000 (MW-2)
Minimum TPH-G concentration (µg/l):	ND
Maximum TPH-G concentration (µg/l):	220000 (MW-2)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter
mg/l	=	milligrams per liter
ND	=	not detected at or above laboratory detection limit
DTSC	=	Department of Toxic Substances Control
N/A	=	not applicable
Trace	=	less than 0.01 foot of LPH in well
USTs	=	underground storage tanks
--	=	not analyzed, measured, or collected
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
MTBE	=	methyl tertiary butyl ether
TAME	=	tertiary amyl methyl ether
ETBE	=	ethyl tertiary butyl ether
DIPE	=	di-isopropyl ether
TBA	=	tertiary butyl alcohol
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
PCB	=	polychlorinated biphenyls

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:
Surface elevation - depth to water + (0.75 x LPH thickness).

Concentration Graphs have been modified to plot non-detect results at the reporting limit stated in the official laboratory report. All non-detect results prior to the Second Quarter 2000 were plotted at 0.1 µg/l for graphical display.

J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

REFERENCE

TRC Alton Geoscience began groundwater monitoring and sampling activities in December 2000. Historical data was provided by Block Environmental, Laguna Hills, California, in a transmittal letter for 76 Station 7329, dated November 21, 2000.

Table 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
September 13, 2002
76 Station 7329

Date Sampled	Casing Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-D (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
9/13/02	16.91	9.13	0.00	7.78	0.70	2400	310	1.2	4.7	2.7	--	--	1600	
MW-2														
9/13/02	17.92	10.16	0.00	7.76	0.76	220000	12000	3100	2800	14000	--	--	170000	
MW-3														
9/13/02	18.32	10.61	0.00	7.71	0.85	29000	3200	1100	1900	3200	--	--	1200	
MW-4														
9/13/02	18.86	11.12	0.00	7.74	0.75	15000	310	160	570	470	--	--	2500	
MW-5														
9/13/02	18.79	7.96	0.00	10.83	0.14	180	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	200	
MW-6														
9/13/02	16.25	8.43	0.00	7.82	0.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	7.1	
MW-7														
9/13/02	16.66	9.21	0.00	7.45	0.76	12000	930	19	21	40	--	--	2300	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
September 2000 through September 2002
76 Station 7329

Date Sampled	Casing Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-D (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
9/13/00	10.97	8.95	0.00	2.02	--	6700	750	19	710	150	2400	92	--	
12/27/00	10.97	10.15	0.00	0.82	-1.20	1200	3400	34	460	78	--	--	490	
3/16/01	10.97	9.39	0.00	1.58	0.76	5200	1600	ND<40	87	ND<80	--	--	620	
6/22/01	10.97	9.93	0.00	1.04	-0.54	2100	590	ND<20	ND<20	ND<40	--	--	180	
9/27/01	10.97	9.02	0.00	1.95	0.91	3400	910	ND<25	ND<25	ND<50	--	--	250	
12/3/01	10.97	9.87	0.00	1.10	-0.85	2400	550	ND<10	ND<10	ND<20	--	--	330	
3/7/02	16.91	10.22	0.00	6.69	5.59	770	98	ND<0.5	1.4	1.2	--	--	560	
6/19/02	16.91	9.83	0.00	7.08	0.39	1700	150	ND<0.5	4.2	ND<1	--	--	680	
9/13/02	16.91	9.13	0.00	7.78	0.70	2400	310	1.2	4.7	2.7	--	--	1600	
MW-2														
9/13/00	11.98	10.30	0.00	1.68	--	130000	14000	5700	2800	15000	5300	110000	--	
12/27/00	11.98	11.22	0.00	0.76	-0.92	60000	15000	7700	3000	15300	--	--	140000	
3/16/01	11.98	10.46	0.00	1.52	0.76	61000	14000	ND<10000	ND<10000	ND<20000	--	--	580000	
6/22/01	11.98	10.96	0.00	1.02	-0.50	60000	14000	ND<8000	ND<8000	ND<16000	--	--	950000	
9/27/01	11.98	10.07	0.00	1.91	0.89	230000	9000	3000	1800	9000	--	--	310000	
12/3/01	11.98	10.90	0.00	1.08	-0.83	190000	9000	2600	ND<2500	10400	--	--	99000	
3/7/02	17.92	11.25	0.00	6.67	5.59	140000	8700	3300	2300	12000	--	--	100000	
6/19/02	17.92	10.92	0.00	7.00	0.33	150000	7800	2900	2700	12000	--	--	190000	
9/13/02	17.92	10.16	0.00	7.76	0.76	220000	12000	3100	2800	14000	--	--	170000	
MW-3														
9/13/00	12.39	10.82	0.00	1.57	--	48000	5200	4500	3400	8400	4100	6700	--	
12/27/00	12.39	11.76	0.00	0.63	-0.94	59000	5100	3600	2300	6300	--	--	3600	
3/16/01	12.39	11.03	0.00	1.36	0.73	26000	4200	1900	2500	5400	--	--	4800	
6/22/01	12.39	11.48	0.00	0.91	-0.45	24000	3700	2000	2400	4700	--	--	3900	
9/27/01	12.39	10.59	0.00	1.80	0.89	40000	5200	2700	2400	5700	--	--	3500	

Date Sampled	Casing Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-D (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
12/3/01	12.39	11.43	0.00	0.96	-0.84	18000	3500	1600	2300	4800	--	--	3500	
3/7/02	18.32	11.75	0.00	6.57	5.61	13000	980	260	950	1400	--	--	1400	
6/19/02	18.32	11.46	0.00	6.86	0.29	20000	2900	800	1300	2800	--	--	780	
9/13/02	18.32	10.61	0.00	7.71	0.85	29000	3200	1100	1900	3200	--	--	1200	
MW-4														
9/13/00	12.93	11.31	0.00	1.62	--	14000	310	530	1000	1400	3200	9800	--	
12/27/00	12.93	12.24	0.00	0.69	-0.93	21000	200	160	680	680	--	--	5500	
3/16/01	12.93	11.51	0.00	1.42	0.73	7600	ND<200	ND<200	720	570	--	--	6200	
6/22/01	12.93	11.97	0.00	0.96	-0.46	7500	190	240	680	680	--	--	5400	
9/27/01	12.93	11.15	0.00	1.78	0.82	11000	210	290	480	550	--	--	3800	
12/3/01	12.93	12.00	0.00	0.93	-0.85	8900	270	310	580	610	--	--	1600	
3/7/02	18.86	12.30	0.00	6.56	5.63	8000	140	93	260	220	--	--	1700	
6/19/02	18.86	11.87	0.00	6.99	0.43	9000	280	200	460	590	--	--	2800	
9/13/02	18.86	11.12	0.00	7.74	0.75	15000	310	160	570	470	--	--	2500	
MW-5														
9/13/00	12.86	7.93	0.00	4.93	--	340	ND	ND	0.36	0.99	ND	610	--	
12/27/00	12.86	8.72	0.00	4.14	-0.79	ND<500	ND<5	ND<10	ND<10	ND<20	--	--	650	
3/16/01	12.86	6.69	0.00	6.17	2.03	ND<50	ND<20	ND<20	ND<20	ND<40	--	--	2000	
6/22/01	12.86	8.18	0.00	4.68	-1.49	ND<50	ND<2	ND<2	ND<2	ND<4	--	--	760	
9/27/01	12.86	7.90	0.00	4.96	0.28	170	ND<5.0	ND<10	ND<10	ND<20	--	--	340	
12/3/01	12.86	8.17	0.00	4.69	-0.27	120	ND<0.50	ND<1.0	ND<1.0	ND<2.0	--	--	180	
3/7/02	18.79	8.61	0.00	10.18	5.49	240	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	150	
6/19/02	18.79	8.10	0.00	10.69	0.51	150	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	130	
9/13/02	18.79	7.96	0.00	10.83	0.14	180	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	200	
MW-6														
3/16/01	10.32	8.95	0.00	1.37	--	ND<50	ND<2	ND<2	ND<2	ND<4	--	--	ND<5	
6/22/01	10.32	9.37	0.00	0.95	-0.42	ND<50	ND<2	ND<2	ND<2	ND<4	--	--	ND<5	
9/27/01	10.32	8.42	0.00	1.90	0.95	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<2.0	--	--	1.3	
12/3/01	10.32	9.29	0.00	1.03	-0.87	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<2.0	--	--	1.8	

Date Sampled	Casing Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-D (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
3/7/02	16.25	9.64	0.00	6.61	5.58	110	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	2.0	
6/19/02	16.25	9.20	0.00	7.05	0.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	3.2	
9/13/02	16.25	8.43	0.00	7.82	0.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	--	7.1	
MW-7														
12/3/01	--	10.08	0.00	--	--	6900	260	ND<10	31	15J	--	--	1800	
3/7/02	16.66	10.36	0.00	6.30.	--	4200	320	ND<20	ND<20	ND<30	--	--	2400	
6/19/02	16.66	9.97	0.00	6.69	0.39	7700	190	ND<5	ND<5	ND<10	--	--	6000	
9/13/02	16.66	9.21	0.00	7.45	0.76	12000	930	19	21	40	--	--	2300	

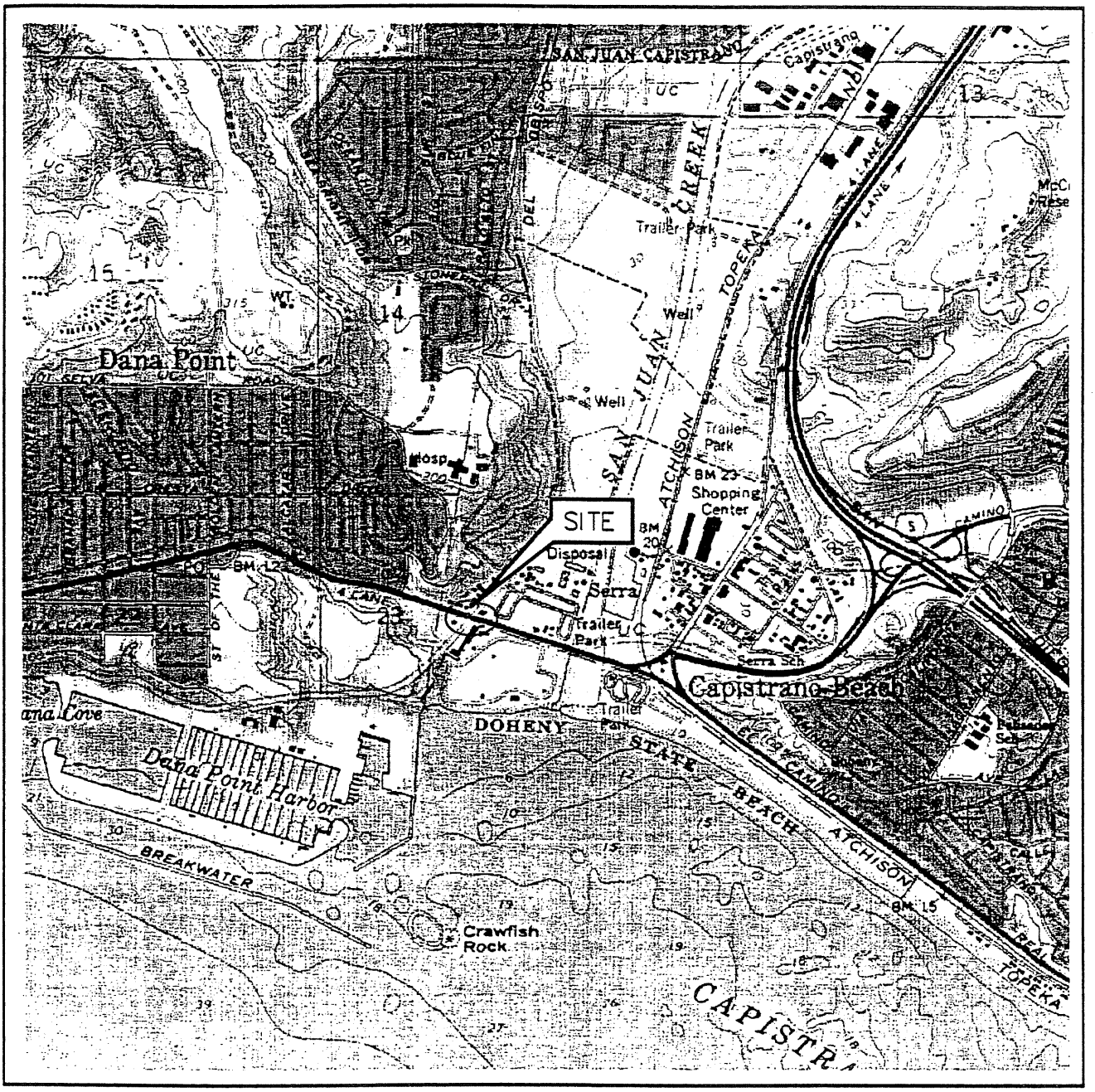
Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 7329

Date Sampled	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Ethanol 8260B (µg/l)
MW-1						
12/27/00	ND<40	ND<1000	ND<40	ND<40	--	--
3/16/01	ND<100	1300	ND<100	ND<100	--	--
6/22/01	ND<50	ND<500	ND<50	ND<50	--	ND<1500
9/27/01	ND<50	ND<1300	ND<50	ND<50	ND<0.10	--
12/3/01	ND<20	740	ND<20	ND<20	ND<0.10	--
3/7/02	3.6	770	ND<1	1.3	--	ND<2000
6/19/02	3.9	960	ND<1	1.4	--	ND<2000
9/13/02	8.8	1800	ND<1	3.0	--	ND<2000
MW-2						
12/27/00	1500	6800	ND<200	ND<200	--	--
3/16/01	ND<25000	ND<250000	ND<25000	ND<25000	--	--
6/22/01	ND<20000	ND<200000	ND<20000	ND<20000	--	ND<600000
9/27/01	ND<2000	73000	ND<2000	ND<2000	ND<0.10	--
12/3/01	ND<5000	ND<130000	ND<5000	ND<5000	ND<0.10	--
3/7/02	940	46000	ND<30	ND<30	--	ND<50000
6/19/02	1200	63000	ND<500	ND<500	--	ND<1000000
9/13/02	1200	75000	ND<200	ND<200	--	ND<400000
MW-3						
12/27/00	ND<100	ND<2500	ND<100	ND<100	--	--
3/16/01	ND<250	ND<2500	ND<250	ND<250	--	--
6/22/01	ND<200	ND<2000	ND<200	ND<200	--	ND<6000
9/27/01	ND<100	ND<2500	ND<100	ND<100	ND<0.10	--
12/3/01	ND<100	ND<2500	ND<100	ND<100	ND<0.10	--
3/7/02	11	880	ND<5	ND<5	--	ND<10000
6/19/02	ND<5	1600	ND<5	ND<5	--	ND<10000
9/13/02	ND<10	2600	ND<10	ND<10	--	ND<20000

Date Sampled	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Ethanol 8260B (µg/l)
MW-4						
12/27/00	ND<100	ND<2500	ND<100	ND<100	--	--
3/16/01	ND<500	ND<5000	ND<500	ND<500	--	--
6/22/01	ND<200	ND<2000	ND<200	ND<200	--	ND<6000
9/27/01	ND<100	ND<2500	ND<100	ND<100	ND<0.10	--
12/3/01	ND<50	1800	ND<50	ND<50	ND<0.10	--
3/7/02	15	1300	ND<5	ND<5	--	ND<10000
6/19/02	ND<5	2000	ND<5	ND<5	--	ND<10000
9/13/02	40	2100	ND<2	ND<2	--	ND<2000
MW-5						
12/27/00	ND<20	ND<500	ND<20	ND<20	--	--
3/16/01	ND<50	910	ND<50	ND<50	--	--
6/22/01	5.0	280	ND<5	ND<5	--	ND<150
9/27/01	ND<20	ND<500	ND<20	ND<20	ND<0.10	--
12/3/01	ND<2.0	150	ND<2.0	ND<2.0	ND<0.10	--
3/7/02	ND<1	58	ND<1	ND<1	--	ND<2000
6/19/02	ND<1	53	ND<1	ND<1	--	ND<2000
9/13/02	ND<1	170	ND<1	ND<1	--	ND<2000
MW-6						
3/16/01	ND<5	ND<50	ND<5	ND<5	--	--
6/22/01	ND<5	ND<50	ND<5	ND<5	--	ND<150
9/27/01	ND<2.0	100	ND<2.0	ND<2.0	ND<0.10	--
12/3/01	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<0.10	--
3/7/02	ND<1	ND<50	ND<1	ND<1	--	ND<2000
6/19/02	ND<1	ND<50	ND<1	ND<1	--	ND<2000
9/13/02	ND<1	ND<50	ND<1	ND<1	--	ND<2000
MW-7						
12/3/01	ND<20	740	ND<20	ND<20	ND<0.10	--
3/7/02	ND<30	ND<2000	ND<30	ND<30	--	ND<50000
6/19/02	19	750	ND<10	ND<10	--	ND<20000

Date Sampled	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Ethanol 8260B (µg/l)
MW-7 continued						
9/13/02	5.4	730	8.2	ND<5	--	ND<10000

FIGURES



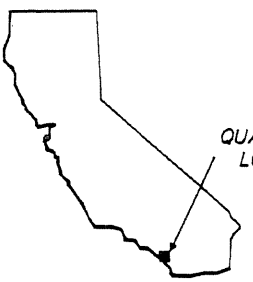
0 1/4 1/2 3/4 1 MILE

SCALE 1: 24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Dana Point Quadrangle



QUADRANGLE LOCATION

VICINITY MAP

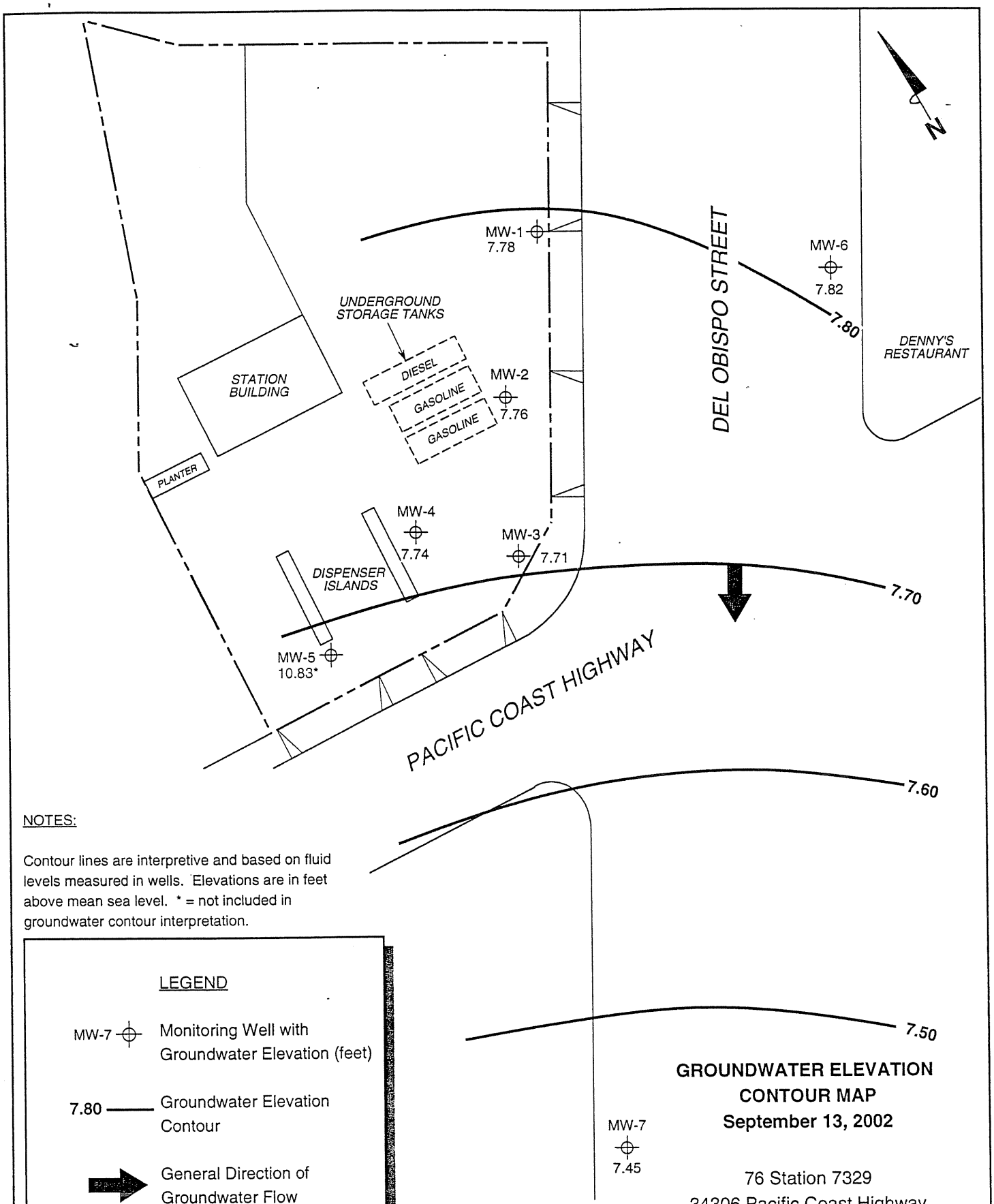
76 Station 7329
34306 Pacific Coast Highway
Dana Point, California

TRC Alton Geoscience

FIGURE 1

PS = 1:1

i: \graphics \projects \20-xxxx (Unocal) \20-0400 (Unocal QMS) \x-7000 \7329vm.dwg 1/13/01 blw



NOTES:

Contour lines are interpretive and based on fluid levels measured in wells. Elevations are in feet above mean sea level. * = not included in groundwater contour interpretation.

LEGEND

MW-7 — Monitoring Well with Groundwater Elevation (feet)

7.80 — Groundwater Elevation Contour

General Direction of Groundwater Flow

SCALE (FEET)

0 40

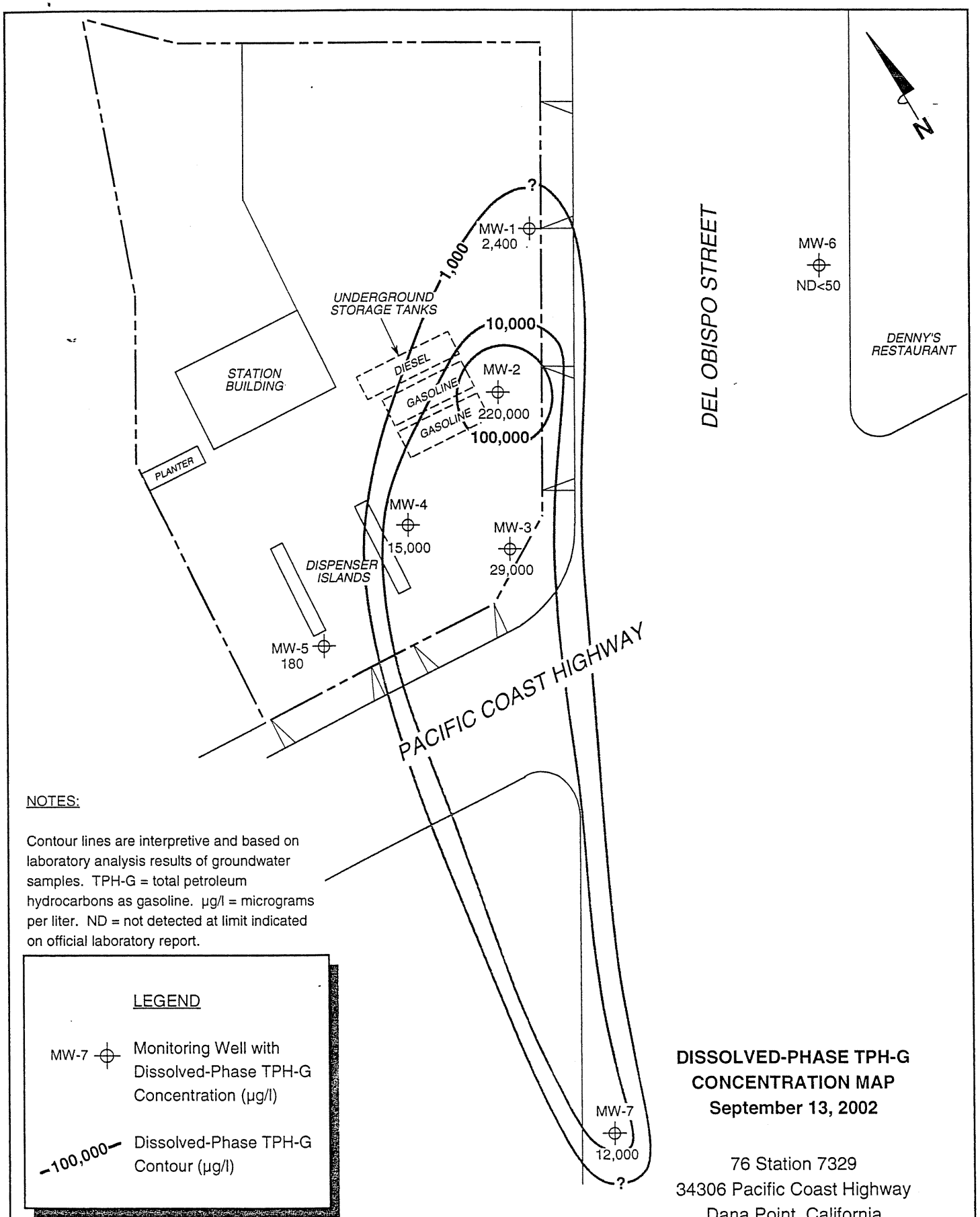
GROUNDWATER ELEVATION CONTOUR MAP
September 13, 2002

76 Station 7329
34306 Pacific Coast Highway
Dana Point, California

TRC

FIGURE 2

20-0400 10/4/02 c,me



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G = total petroleum hydrocarbons as gasoline. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

–100,000– Dissolved-Phase TPH-G Contour (µg/l)

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
September 13, 2002

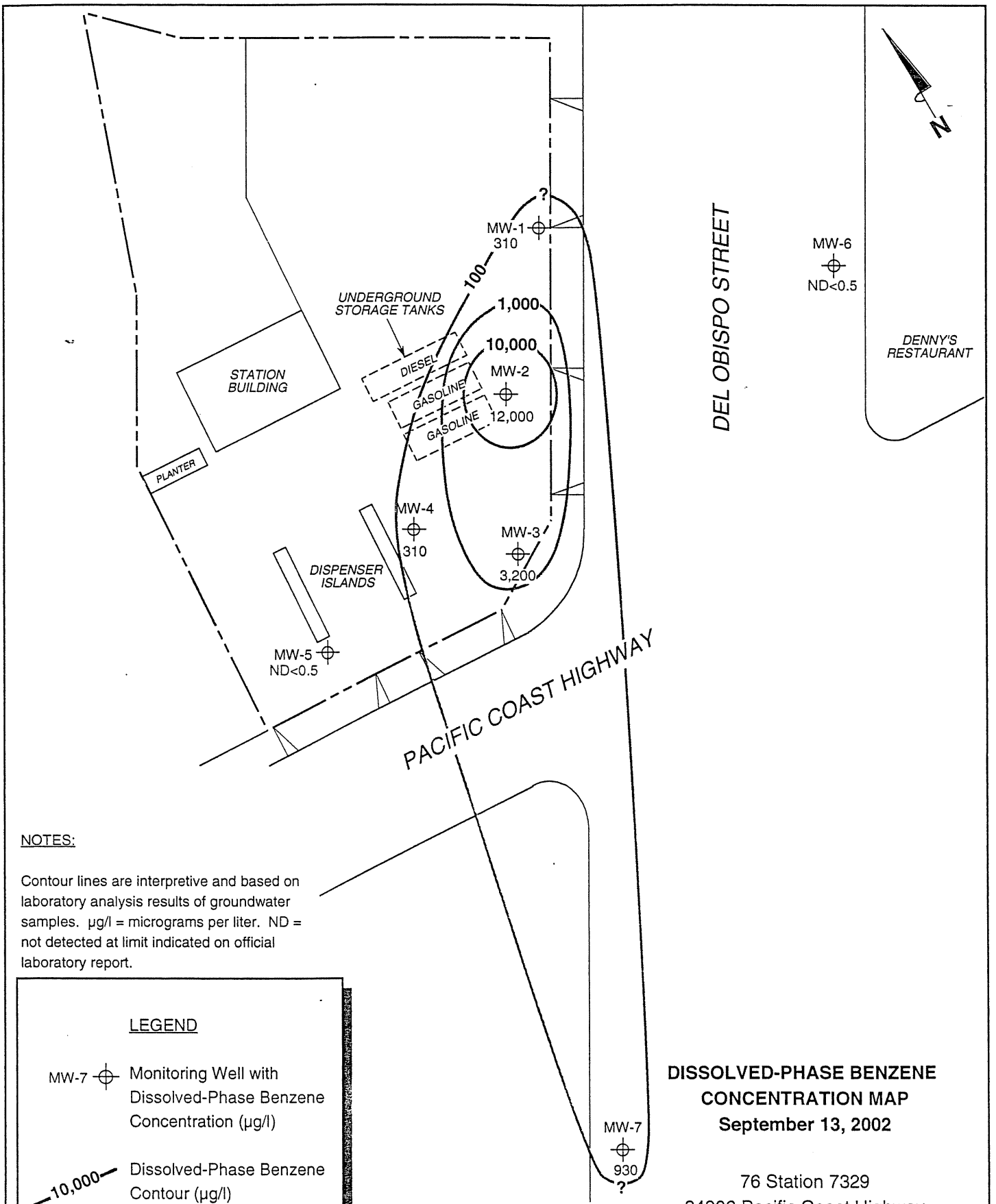
76 Station 7329
34306 Pacific Coast Highway
Dana Point, California

TRC

SCALE (FEET)
0 40

FIGURE 3

20-0400 10/4/02 c,me



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

10,000 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
September 13, 2002

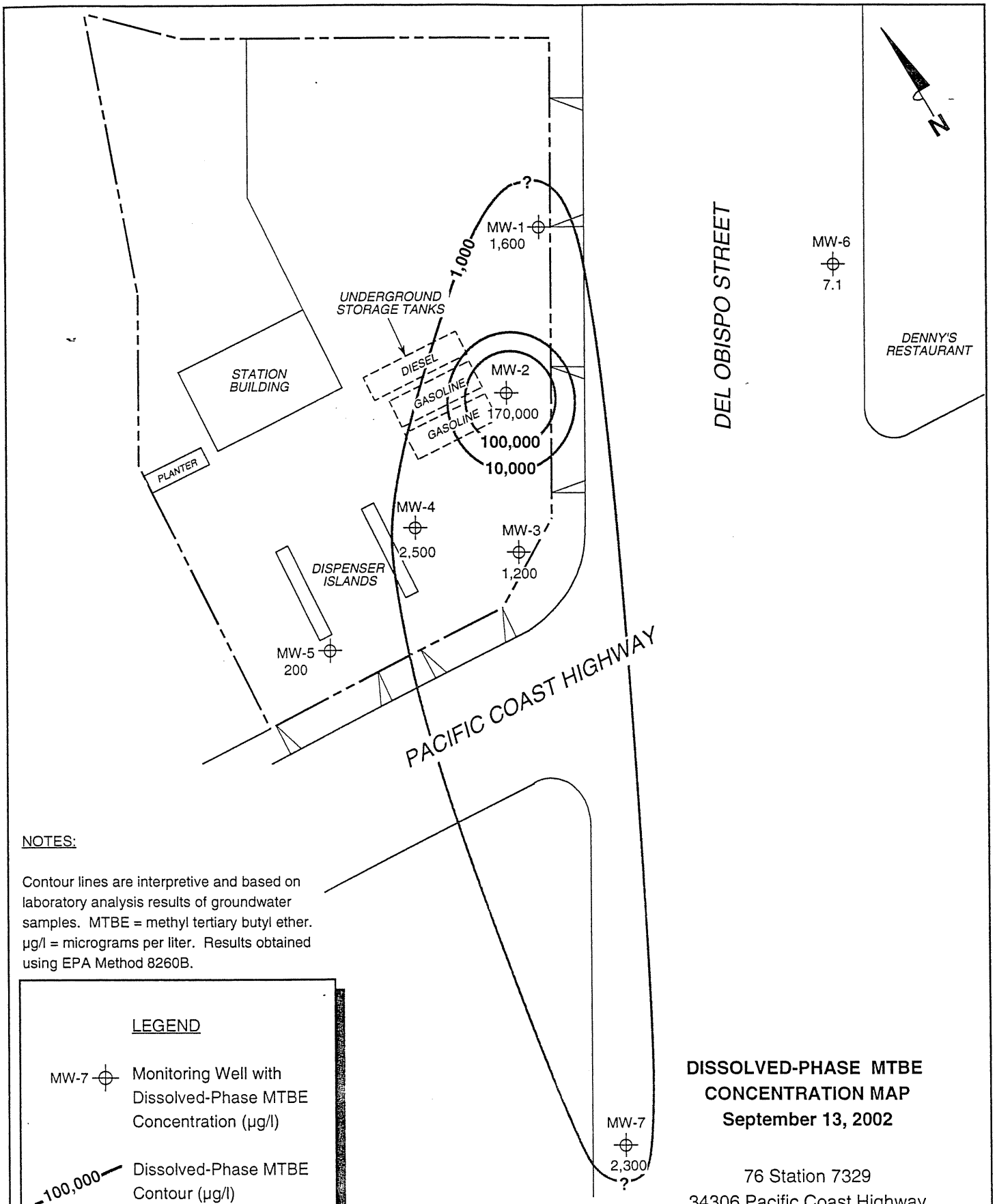
76 Station 7329
34306 Pacific Coast Highway
Dana Point, California

TRC

SCALE (FEET)
0 40

FIGURE 4

20-0400 10/4/02 c,me



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. Results obtained using EPA Method 8260B.

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

-100,000- Dissolved-Phase MTBE Contour (µg/l)

SCALE (FEET)

0 40

DISSOLVED-PHASE MTBE CONCENTRATION MAP
September 13, 2002

76 Station 7329
34306 Pacific Coast Highway
Dana Point, California

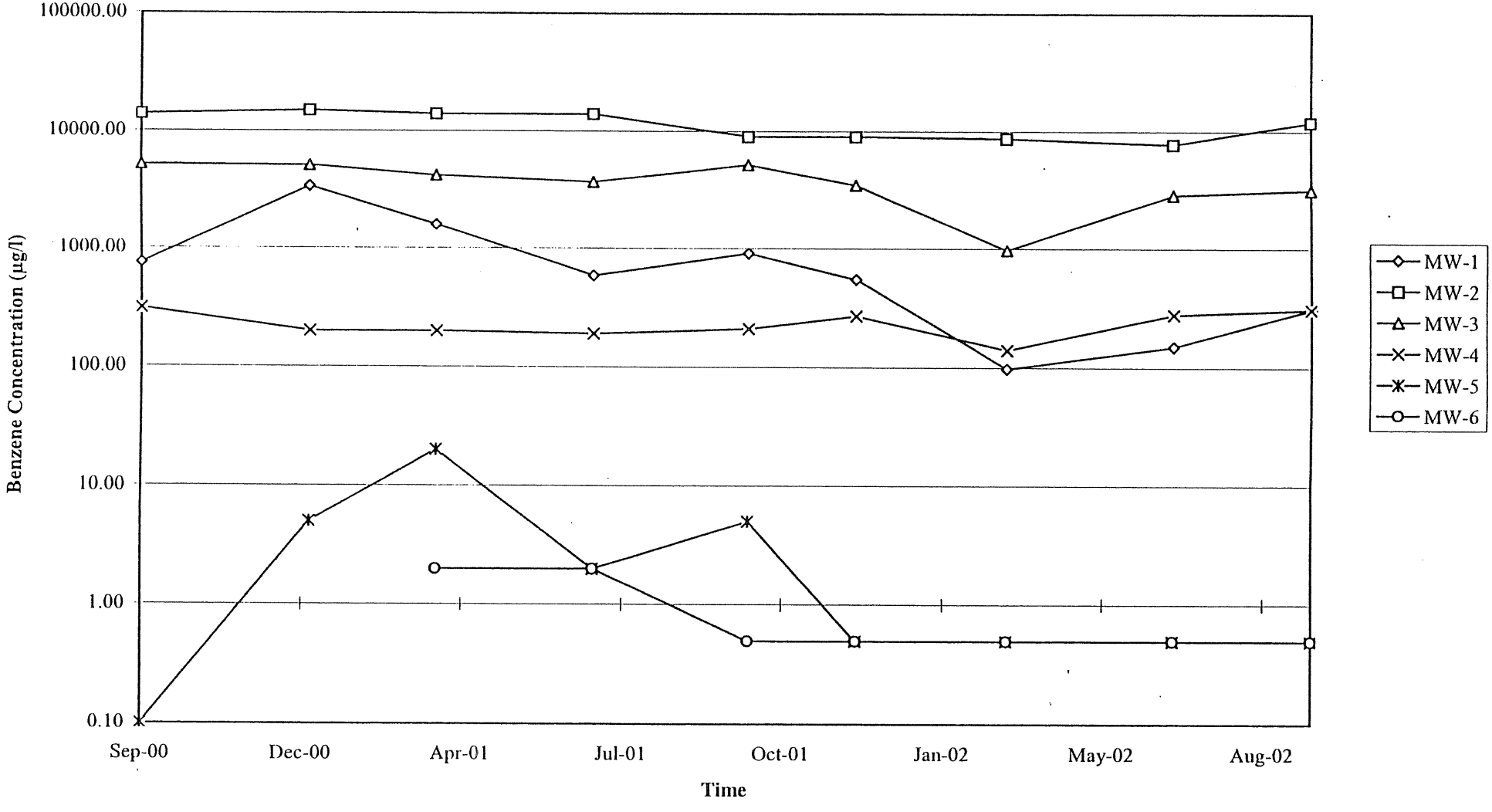
FIGURE 5

TRC

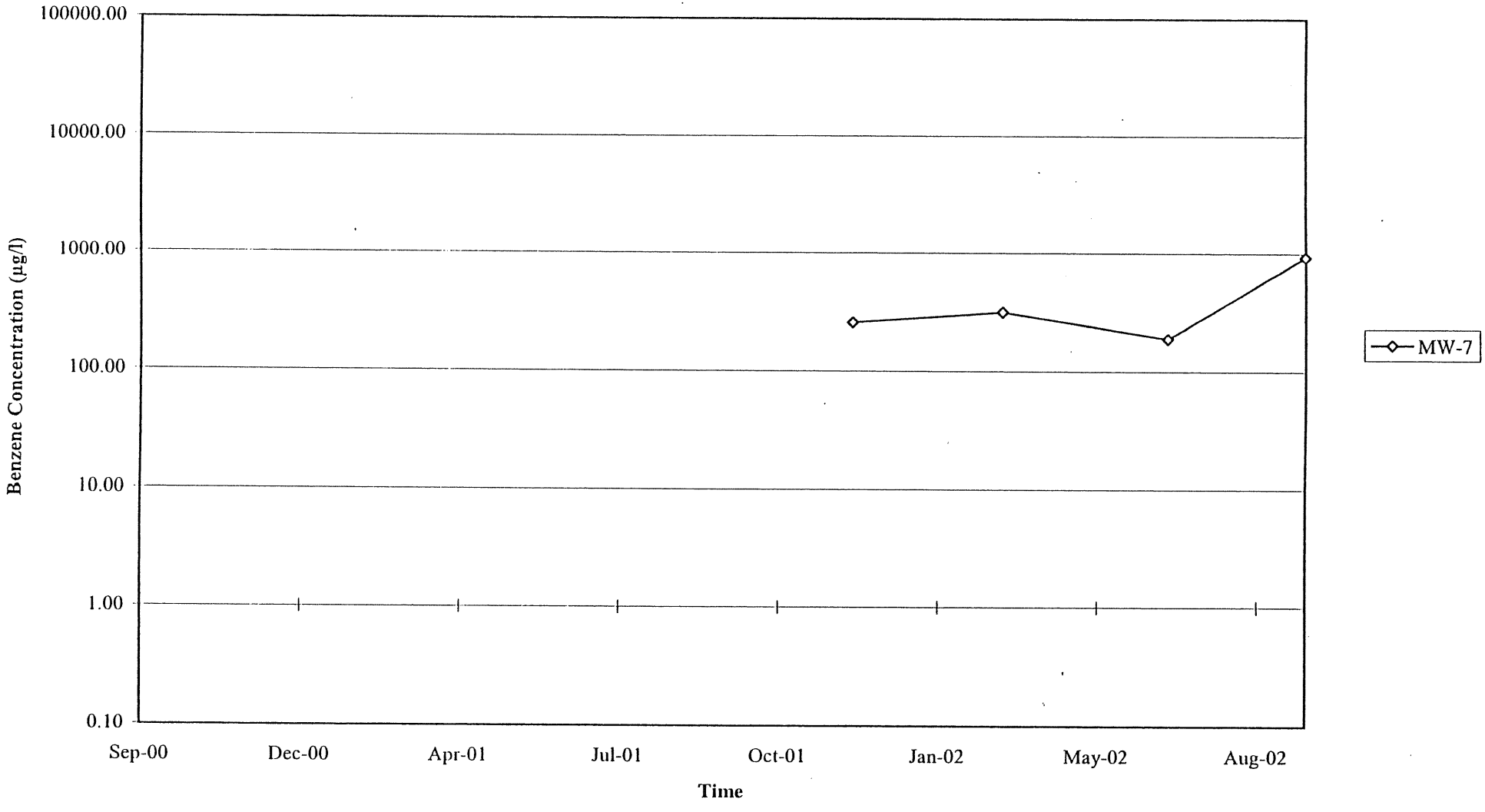
20-0400 10/4/02 c,me

GRAPHS

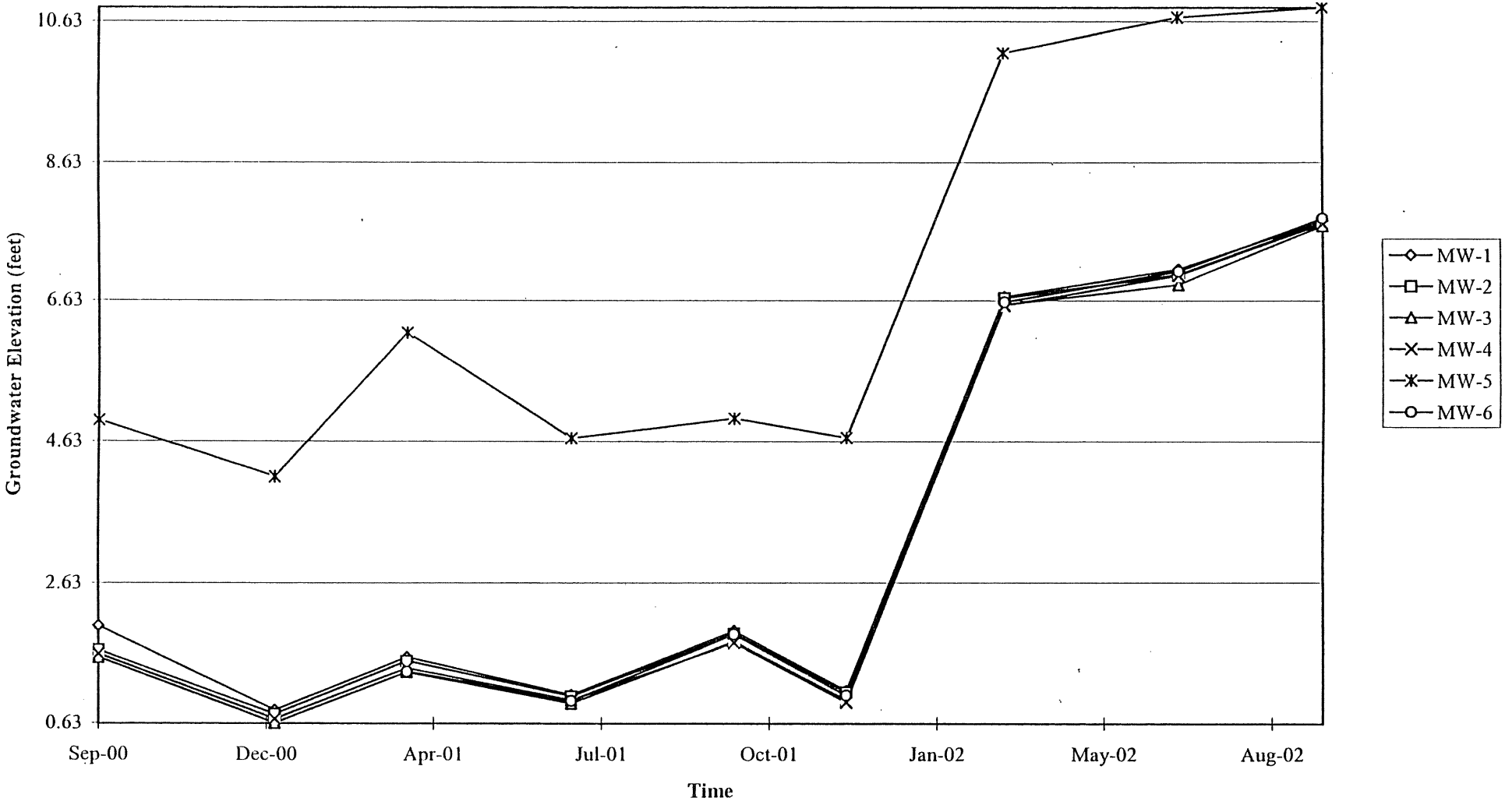
Graph 1
Benzene Concentrations vs. Time
76 Station 7329



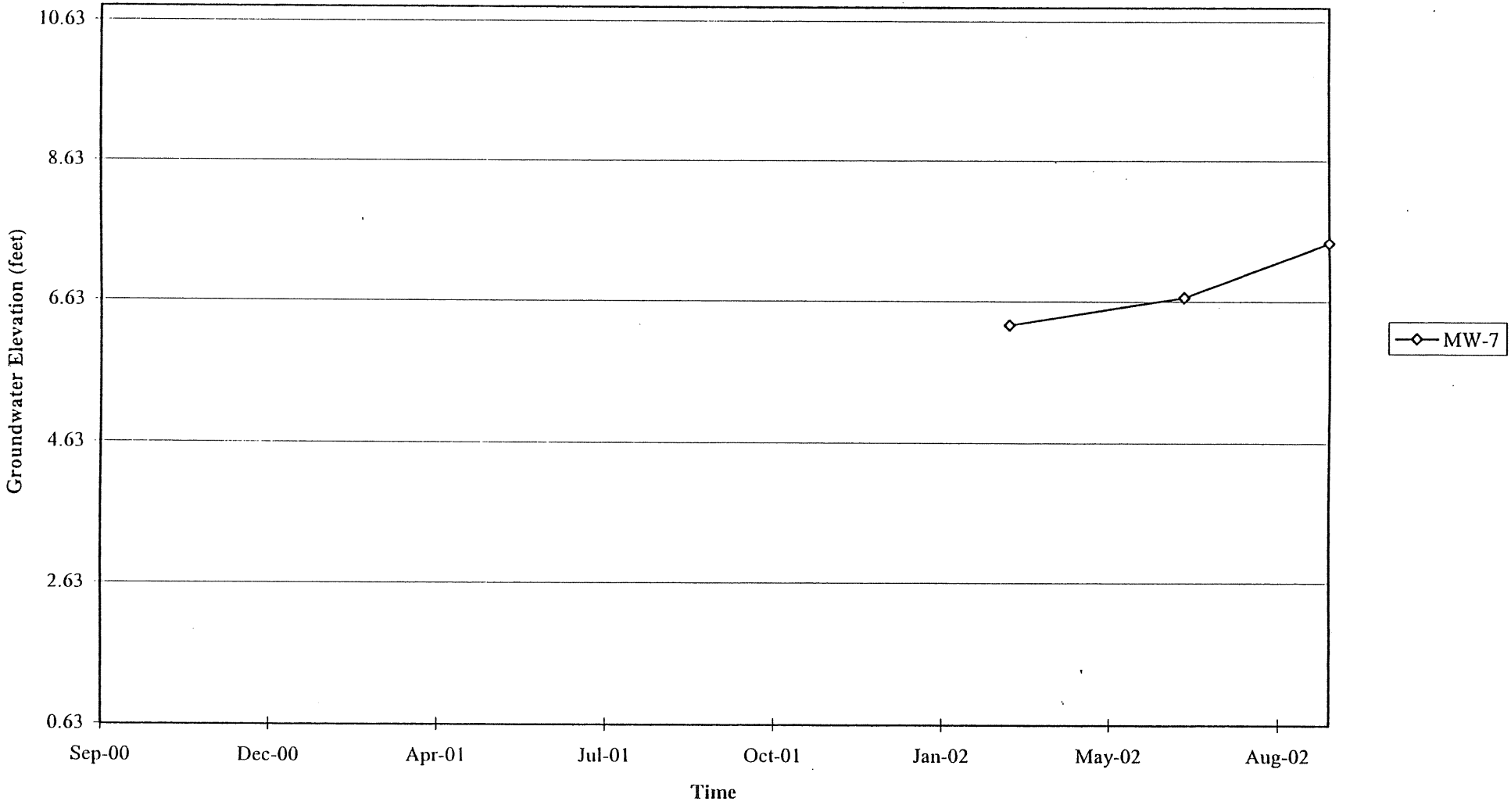
Graph 2
Benzene Concentrations vs. Time
76 Station 7329



Graph 3
Hydrograph
76 Station 7329



Graph 4
Hydrograph
76 Station 7329



GENERAL FIELD PROCEDURES

General field procedures used during fluid level monitoring and groundwater sampling activities are described below.

FLUID LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The depth to liquid-phase hydrocarbons (LPH) and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city benchmark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no LPH are purged of groundwater prior to sampling so that fluids collected are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when the specified number of casing volumes of fluid have been removed and the three (3) parameters (pH, conductivity, and temperature) have stabilized (see groundwater sampling field notes for volume removed). Samples for laboratory analysis are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purge water is either (1) pumped directly into a licensed vacuum truck; or (2) treated and disposed onsite using the TRC Alton Geoscience Mobile Groundwater Treatment Trailer; or (3) temporarily stored in labeled drums prior to transport to a treatment/recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Monitoring wells that are purged and contain measurable LPH, the purged water and LPH removed from wells will be either pumped directly into a licensed vacuum truck and removed from the site, or temporarily stored in labeled drums pending transport to an approved treatment/recycling facility.

With respect to wells that have been designated as "no purge", the wells will be sampled without bailing or pumping fluids from the well prior to collecting the sample. In addition, no purge samples are typically collected from active pumping wells.

GROUNDWATER SAMPLE COLLECTION

Groundwater samples are collected by lowering a 1/5-inch-diameter, bottom-fill, disposable polyethylene bailer to just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to the container specified by the laboratory method. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials, then transported to a state-certified laboratory for analysis. Samples remain chilled prior to and during shipment to an analytical laboratory.

Chain of custody protocol is followed for all groundwater samples selected for laboratory analysis. The chain of custody form(s) accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis. When a freight or overnight carrier ships samples, the carrier is noted on the chain of custody form.

DECONTAMINATION

Latex gloves are worn at all times during monitoring, sampling, and purging activities. Typically, gloves are changed between each well. All monitoring, sampling, and purging equipment that could contact well fluids is either dedicated to a particular well or cleaned prior to each use in a Liqui-nox solution followed by two rinses: the first rinse in tap water and the final rinse in deionized water.

FIELD MONITORING DATA SHEET

TRC

Technician: Michael Kubzdt Job #/Task #: 206400076 / FA03 Date: 09-13-02

Site # 7326 Project Manager Andy Farfan Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
mw-7		X	19.59	9.21	0	0	4:52	4"
mw-6		X	18.43	8.43	0	0	5:15	4"
mw-5		X	20.22	7.96	0	0	7:40	4"
mw-1		X	19.79	9.13	0	0	7:48	4"
mw-4		X	19.54	11.12	0	0	6:03	4"
mw-3		X	20.05	10.61	0	0	6:30	4"
mw-2		X	19.70	10.16	0	0	6:50	4"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Site: 7329 Project No.: 200400.79 Sampled By: Mike Welch Date: 09-15-04

Well No. MW-7 Purge Method: Dia
Depth to Water (feet) 9.21 Depth to Product (feet): 0
Total Depth (feet) 19.59 LPH & Water Recovered (gallons): 0
Water Column (feet): 10.38 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 11.29 1 Well Volume (gallons): 7

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
4:41			7	5.31	69.5	7.65
			14	4.99	71.8	7.32
	4:47		21	5.01	72.3	7.36

Static at Time Sampled	Total Purged	Time Sampled
9:26	21	4:52

Comments:

Well No. MW-6 Purge Method: Dia
Depth to Water (feet): 8.43 Depth to Product (feet): 0
Total Depth (feet) 18.43 LPH & Water Recovered (gallons): 0
Water Column (feet): 10.00 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 10.43 1 Well Volume (gallons): 7

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
5:03			7	4.64	69.7	7.02
			14	4.61	69.8	6.97
	5:07		21	4.60	70.1	6.81

Static at Time Sampled	Total Purged	Time Sampled
8:44	21	5:15

Comments:

Well No. MW-5 Purge Method: Dia
Depth to Water (feet) 7.96 Depth to Product (feet): 0
Total Depth (feet): 20.22 LPH & Water Recovered (gallons): 0
Water Column (feet) 12.26 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 10.41 1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
5:30			8	7.11	65.5	6.78
			16	7.70	69.2	6.64
	5:35	20	24	7.87	69.0	6.92

Static at Time Sampled	Total Purged	Time Sampled
14.73	20	7:40

Comments: Dry at 20 gallons
Did not recover after 2hrs

Well No. MW-1 Purge Method: Dia
Depth to Water (feet) 9.13 Depth to Product (feet): 0
Total Depth (feet): 19.79 LPH & Water Recovered (gallons): 0
Water Column (feet) 10.66 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 11.26 1 Well Volume (gallons): 7

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
5:44			7	7.09	68.5	7.00
	5:46	10	14	8.20	69.3	7.23
			21	—	—	—

Static at Time Sampled	Total Purged	Time Sampled
14.18	10	7:48

Comments: Dry at 10 gallons
Did not recover after 2hrs

Well No. MW-4 Purge Method: Dia
Depth to Water (feet) 11.12 Depth to Product (feet): 0
Total Depth (feet): 19.54 LPH & Water Recovered (gallons): 0
Water Column (feet) 8.42 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 12.84 Well Volume (gallons): 5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
5:56			5	7.10	65.7	6.80
			10	6.11	69.0	6.85
	6:00		15	6.07	69.9	6.88

Static at Time Sampled	Total Purged	Time Sampled
11.82	15	6:03

Comments:

Well No. MW-3 Purge Method: Dia
Depth to Water (feet) 10.61 Depth to Product (feet): 0
Total Depth (feet): 20.05 LPH & Water Recovered (gallons): 0
Water Column (feet) 9.44 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 12.50 1 Well Volume (gallons): 6

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
6:15			6	5.15	65.1	6.84
			12	5.69	66.3	6.81
	6:20		18	5.65	66.6	6.74

Static at Time Sampled	Total Purged	Time Sampled
10.74	18	6:30

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Site: 7329 Project No.: 20040079 Sampled By: Mike Kelly Date: 09-03-04

Well No. MW-2 Purge Method: DA
Depth to Water (feet): 10.16 Depth to Product (feet): 0
Total Depth (feet): 19.70 LPH & Water Recovered (gallons): 6
Water Column (feet): 9.54 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 12.07 1 Well Volume (gallons): 6

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
6:38			6	4.81	66 6	7.02
	"		12	5.59	69.1	6.89
	6:41		18	5.85	70 2	6.73

Static at Time Sampled	Total Purged	Time Sampled
10.31	18	6:50

Comments:

Well No. _____ Purge Method: _____
Depth to Water (feet) _____ Depth to Product (feet): _____
Total Depth (feet): _____ LPH & Water Recovered (gallons): _____
Water Column (feet) _____ Casing Diameter (inches): _____
80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No. _____ Purge Method: _____
Depth to Water (feet) _____ Depth to Product (feet): _____
Total Depth (feet): _____ LPH & Water Recovered (gallons): _____
Water Column (feet) _____ Casing Diameter (inches): _____
80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No. _____ Purge Method: _____
Depth to Water (feet) _____ Depth to Product (feet): _____
Total Depth (feet): _____ LPH & Water Recovered (gallons): _____
Water Column (feet) _____ Casing Diameter (inches): _____
80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No. _____ Purge Method: _____
Depth to Water (feet) _____ Depth to Product (feet): _____
Total Depth (feet): _____ LPH & Water Recovered (gallons): _____
Water Column (feet) _____ Casing Diameter (inches): _____
80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

BC *Laboratories, Inc.*

Cover Report

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Project Number: 7329
COC Number:
BCL Number: 02-09328

Dear Ms. Farfan:

This report contains the analytical results for the samples received under chain of custody by BC Laboratories, Inc. The samples were logged into the Laboratory Information Management System (LIMS) and BC Lab numbers were assigned to each sample. The result of the temperature check, condition of the samples and any other discrepancies were recorded on the cooler receipt form.

All applicable quality control procedures met method-specific acceptance criteria, except as noted on the following analytical and quality control reports.

This report shall not be reproduced except in full, without written approval of the laboratory.

California DOHS Certification #1186

Authorized Signature

All result listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 04:52
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-7	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	930	ug/L	50	11	8260	09/21/02	09/21/02	18:56	MGC	MS-V5	100	317-100421	ND	A09
Ethylbenzene	21	ug/L	3	0.66	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	317-100421	ND	A09
Toluene	19	ug/L	3	0.79	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	317-100421	ND	A09
Total Xylenes	40	ug/L	5	2.2	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	317-100421	ND	A09
t-Amyl Methyl ether	5.4	ug/L	5	0.60	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	318-100432	ND	A09
t-Butyl alcohol	730	ug/L	300	32	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	318-100432	ND	A09
Diisopropyl ether	8.2	ug/L	5	0.63	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	318-100432	ND	A09
Ethanol	< PQL	ug/L	10000	250	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	318-100432	ND	A09
Ethyl t-butyl ether	< PQL	ug/L	5	0.38	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	318-100432	ND	A09
Methyl t-butyl ether	2300	ug/L	50	13	8260	09/21/02	09/21/02	18:56	MGC	MS-V5	100	317-100421	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	99	%	76-114	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	317-100421		
Toluene-d8	98	%	88-110	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	317-100421		
4-Bromofluorobenzene	98	%	86-115	8260	09/21/02	09/21/02	07:52	MGC	MS-V5	5	317-100421		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

Comments

Sample received at pH=7.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Court * Bakersfield, CA 93308 * (661) 327-4911 * FAX (661) 327-1918 * www.bclabs.com

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 04:52
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-7	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics	12000	ug/L	5000	1400	8020	09/20/02	09/20/02	20:21	RTK	GC-V1	100	294-100345	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene (8015 Surrogate)	98	%	70-130	8015M	09/20/02	09/20/02	20:21	RTK	GC-V1	100	294-100345		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

Comments

Sample received at pH=8.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 05:15
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-6	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	< PQL	ug/L	0.5	0.11	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421	ND	
Ethylbenzene	< PQL	ug/L	0.5	0.14	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421	ND	
Toluene	< PQL	ug/L	0.5	0.16	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421	ND	
Total Xylenes	< PQL	ug/L	1	0.43	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421	ND	
t-Amyl Methyl ether	< PQL	ug/L	1	0.12	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	318-100432	ND	
t-Butyl alcohol	< PQL	ug/L	50	6.4	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	318-100432	ND	
Diisopropyl ether	< PQL	ug/L	1	0.13	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	318-100432	ND	
Ethanol	< PQL	ug/L	2000	49	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	318-100432	ND	V11
Ethyl t-butyl ether	< PQL	ug/L	1	0.076	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	318-100432	ND	
Methyl t-butyl ether	7.1	ug/L	0.5	0.13	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	109	%	76-114	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421		
Toluene-d8	97	%	88-110	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421		
4-Bromofluorobenzene	92	%	86-115	8260	09/21/02	09/21/02	19:31	MGC	MS-V5	1	317-100421		

Flag	Explanations
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 05:15
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-6	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics	< PQL	ug/L	50.	14	8020	09/23/02	09/23/02	11:31	RTK	GC-V1	1	294-100345	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene (8015 Surrogate)	99	%	70-130	8015M	09/23/02	09/23/02	11:31	RTK	GC-V1	1	294-100345		

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 07:40
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-5	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	< PQL	ug/L	0.5	0.11	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	317-100421	ND	S09
Ethylbenzene	< PQL	ug/L	0.5	0.14	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	317-100421	ND	
Toluene	< PQL	ug/L	0.5	0.16	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	317-100421	ND	
Total Xylenes	< PQL	ug/L	1	0.43	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	317-100421	ND	
t-Amyl Methyl ether	< PQL	ug/L	1	0.12	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	318-100432	ND	
t-Butyl alcohol	170	ug/L	50	6.4	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	318-100432	ND	
Diisopropyl ether	< PQL	ug/L	1	0.13	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	318-100432	ND	
Ethanol	< PQL	ug/L	2000	49	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	318-100432	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.076	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	318-100432	ND	
Methyl t-butyl ether	200	ug/L	3	0.62	8260	09/21/02	09/21/02	14:16	MGC	MS-V5	5	317-100421	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	119	%	76-114	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	317-100421		S09
Toluene-d8	98	%	88-110	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	317-100421		
4-Bromofluorobenzene	96	%	86-115	8260	09/21/02	09/21/02	11:21	MGC	MS-V5	1	317-100421		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 07:40
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-5	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics	180	ug/L	50.	14	8020	09/23/02	09/23/02	14:24	RTK	GC-V1	1	294-100345	ND	A53

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene (8015 Surrogate)	99	%	70-130	8015M	09/23/02	09/23/02	14:24	RTK	GC-V1	1	294-100345		

Flag	Explanations
A53	Chromatogram not typical of gasoline.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 07:48
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-1	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	310	ug/L	20	2.8	8260	09/21/02	09/21/02	13:41	MGC	MS-V5	25	317-100421	ND	A09
Ethylbenzene	4.7	ug/L	0.5	0.14	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	317-100421	ND	
Toluene	1.2	ug/L	0.5	0.16	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	317-100421	ND	
Total Xylenes	2.7	ug/L	1	0.43	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	317-100421	ND	
t-Amyl Methyl ether	8.8	ug/L	1	0.12	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	318-100432	ND	
t-Butyl alcohol	1800	ug/L	50	6.4	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	318-100432	ND	
Diisopropyl ether	< PQL	ug/L	1	0.13	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	318-100432	ND	
Ethanol	< PQL	ug/L	2000	49	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	318-100432	ND	
Ethyl t-butyl ether	3.0	ug/L	1	0.076	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	318-100432	ND	
Methyl t-butyl ether	1600	ug/L	20	3.1	8260	09/21/02	09/21/02	13:41	MGC	MS-V5	25	317-100421	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	115	%	76-114	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	317-100421		S09
Toluene-d8	98	%	88-110	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	317-100421		
4-Bromofluorobenzene	101	%	86-115	8260	09/21/02	09/21/02	11:56	MGC	MS-V5	1	317-100421		

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

Volatile Organic Analysis (EPA Method 8260)

Sample Description	7329, MW-1, 09/13/2002 @ 07:48, MICHAEL KOBZOFF

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
Comments	
Sample received at pH=7.	

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Court * Bakersfield, CA 93308 * (661) 327-4911 * FAX (661) 327-1918 * www.bclabs.com

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 07:48
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-1	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics	2400	ug/L	500	140	8020	09/20/02	09/20/02	22:15	RTK	GC-V1	10	294-100345	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene (8015 Surrogate)	100	%	70-130	8015M	09/20/02	09/20/02	22:15	RTK	GC-V1	10	294-100345		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

Comments

Sample received at pH=8.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 06:03
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-4	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	310	ug/L	50	11	8260	09/21/02	09/21/02	18:21	MGC	MS-V5	100	317-100421	ND	A09
Ethylbenzene	570	ug/L	50	14	8260	09/21/02	09/21/02	18:21	MGC	MS-V5	100	317-100421	ND	A09
Toluene	160	ug/L	1	0.32	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	317-100421	ND	A09
Total Xylenes	470	ug/L	2	0.85	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	317-100421	ND	A09
t-Amyl Methyl ether	40	ug/L	2	0.24	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	318-100432	ND	A09
t-Butyl alcohol	2100	ug/L	100	13	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	318-100432	ND	A09
Diisopropyl ether	< PQL	ug/L	2	0.25	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	318-100432	ND	A09
Ethanol	< PQL	ug/L	2000	98	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	318-100432	ND	A09
Ethyl t-butyl ether	< PQL	ug/L	2	0.16	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	318-100432	ND	A09
Methyl t-butyl ether	2500	ug/L	50	13	8260	09/21/02	09/21/02	18:21	MGC	MS-V5	100	317-100421	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	107	%	76-114	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	317-100421		
Toluene-d8	101	%	88-110	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	317-100421		
4-Bromofluorobenzene	102	%	86-115	8260	09/21/02	09/21/02	13:06	MGC	MS-V5	2	317-100421		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 06:03
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-4	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics	15000	ug/L	5000	1400	8020	09/20/02	09/20/02	22:44	RTK	GC-V1	100	294-100345	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene (8015 Surrogate)	95	%	70-130	8015M	09/20/02	09/20/02	22:44	RTK	GC-V1	100	294-100345		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 06:30
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-3	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-6

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	3200	ug/L	50	11	8260	09/21/02	09/21/02	17:46	MGC	MS-V5	100	317-100421	ND	A09
Ethylbenzene	1900	ug/L	50	14	8260	09/21/02	09/21/02	17:46	MGC	MS-V5	100	317-100421	ND	A09
Toluene	1100	ug/L	50	16	8260	09/21/02	09/21/02	17:46	MGC	MS-V5	100	317-100421	ND	A09
Total Xylenes	3200	ug/L	100	43	8260	09/21/02	09/21/02	17:46	MGC	MS-V5	100	317-100421	ND	A09
t-Amyl Methyl ether	< PQL	ug/L	10	1.2	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	318-100432	ND	A09
t-Butyl alcohol	2600	ug/L	500	64	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	318-100432	ND	A09
Diisopropyl ether	< PQL	ug/L	10	1.3	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	318-100432	ND	A09
Ethanol	< PQL	ug/L	20000	490	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	318-100432	ND	A09
Ethyl t-butyl ether	< PQL	ug/L	10	0.76	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	318-100432	ND	A09
Methyl t-butyl ether	1200	ug/L	50	13	8260	09/21/02	09/21/02	17:46	MGC	MS-V5	100	317-100421	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	102	%	76-114	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	317-100421		
Toluene-d8	96	%	88-110	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	317-100421		
4-Bromofluorobenzene	97	%	86-115	8260	09/21/02	09/21/02	10:12	MGC	MS-V5	10	317-100421		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

Comments

Sample received at pH=7.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 06:30
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-3	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-6

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics	29000	ug/L	5000	1400	8020	09/23/02	09/23/02	12:28	RTK	GC-V1	100	294-100345	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene (8015 Surrogate)	91	%	70-130	8015M	09/23/02	09/23/02	12:28	RTK	GC-V1	100	294-100345		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

Comments

Sample received at pH=4.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 06:50
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-2	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-7

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	12000	ug/L	100	22	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	317-100421	ND	A09
Ethylbenzene	2800	ug/L	100	27	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	317-100421	ND	A09
Toluene	3100	ug/L	100	32	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	317-100421	ND	A09
Total Xylenes	14000	ug/L	200	85	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	317-100421	ND	A09
t-Amyl Methyl ether	1200	ug/L	200	24	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	318-100432	ND	A09
t-Butyl alcohol	75000	ug/L	10000	1300	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	318-100432	ND	A09
Diisopropyl ether	< PQL	ug/L	200	25	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	318-100432	ND	A09
Ethanol	< PQL	ug/L	400000	9800	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	318-100432	ND	A09
Ethyl t-butyl ether	< PQL	ug/L	200	16	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	318-100432	ND	A09
Methyl t-butyl ether	170000	ug/L	3000	620	8260	09/21/02	09/21/02	17:11	MGC	MS-V5	5000	317-100421	ND	A09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	103	%	76-114	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	317-100421		
Toluene-d8	102	%	88-110	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	317-100421		
4-Bromofluorobenzene	98	%	86-115	8260	09/23/02	09/23/02	13:16	MGC	MS-V5	200	317-100421		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.

Comments

Sample received at pH=7.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	09/13/2002 @ 16:10
Project Number	7329	**Sampling Date/Time**	09/13/2002 @ 06:50
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-2	**Sample Matrix**	Groundwater
Sampled By	MICHAEL KOBZOFF	**BCL Sample ID**	02-09328-7

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics	220000	ug/L	50000	14000	8020	09/23/02	09/23/02	14:53	RTK	GC-V1	1000	294-100345	ND	A09,A53

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene (8015 Surrogate)	102	%	70-130	8015M	09/23/02	09/23/02	14:53	RTK	GC-V1	1000	294-100345		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.
A53	Chromatogram not typical of gasoline.

Comments

Sample received at pH=8.

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc.

B C LABORATORIES
QUALITY CONTROL REPORT

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
ANJU FARFAN

Date of Report: 09/30/2002
Sample Matrix: Groundwater
QC Batch ID: 200209328-1*GAS

Samples Affected: 02-09328-1 - 02-09328-7

Constituents	Method Blank Readings	Units	MS % Rec	MSD % Rec	Spike R.P.D.	LCS % Rec	Spike %Rec Control Limits	Precision Control Limits	LCS % Rec Control Limits
Gasoline Range Organics (C4 - C12)	<50.	µg/L	87.	79.	9.	91.	70 - 130	20	85 - 115

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference
LCS = Laboratory Control Sample

Quality Control Officer

Danette Bohm

All result listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation.

BC Laboratories, Inc.

B C LABORATORIES
QUALITY CONTROL REPORT

Method 8260

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
ANJU FARFAN

Date of Report: 09/26/2002
Sample Matrix: Groundwater
QC Batch ID: 200209328-1*8260

Samples Affected: 02-09328-1 - 02-09328-7

Constituents	Method Blank Readings	Units	MS % Rec	MSD % Rec	Spike R.P.D.	LCS % Rec	Spike %Rec Control Limits	Precision Control Limits	LCS % Rec Control Limits
Benzene	< 0.5	µg/L	108.	109.	1.	87.	70 - 130	20	70 - 130
Toluene	< 0.5	µg/L	98.	100.	2.	82.	70 - 130	20	70 - 130

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference
LCS = Laboratory Control Sample

Quality Control Officer

Danette Bohm

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation

BC LABORATORIES INC. | SAMPLE RECEIPT FORM | Rev. No. 8 | 06/12/02 | Page __ Of __

Submission #: 02-09328 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☑ Intact? Yes ☐ No ☐ | None ☐ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID _____
Temperature: 1.4 °C
Thermometer ID: 80
Emissivity .98
Container A

Date/Time 9/13/02 16:10
Analyst Init ME

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
100ml PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
VOA SET	1 (6)	1 (6)	1 (6)	1 (6)	1 (6)	1 (6)	1 (6)	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
PT EPA 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										

Comments:_____
Sample Numbering Completed By: Nina Hamilton Date/Time: 9/13/02 1440

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

02-09328

CHK BY | DISTRIBUTION | SUB-OUT

BC LABORATORIES, INC.
4100 Atlas Court ☐ Bakersfield, CA 93308
(661) 327-4911 ☐ FAX (661) 327-1918

CHAIN OF CUSTODY

Analysis Requested

Circle one: Phillips 66 / Unocal	**Consultant Firm:** Alton Geoscience	MATRIX (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge
Address: 34306 PCH	25 A. Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan	
City: Dana Point	**4-digit site#:** 7329	
	Workorder # 25 7329 - GWM-001	
State: CA **Zip:**	**Project #:** 20040079	
Phillips 66 /Unocal Mgr: Dan Fischer	**Sampler Name:** Michael D Kobsa	

Lab#	Sample Description	Field Point Name	Date & Time Sampled	BTEX/MTBE only by 8021B	TPH GAS 8015M	TPH DIESEL 8015	8260/MTBE CONFIRMATION ONLY	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL			Turnaround Time Requested 6 days
✓-1	mw-7		09-13-02 4:52am GW		X				X	X			STD
✓-2	mw-6		5:15am		↓				↓	↓			↓
✓-3	mw-5		7:40am										
✓-4	mw-1		7:48am										
✓-5	mw-4		6:03am										
✓-6	mw-3		6:30am										
✓-7	mw-2		6:50am										

Comments:

GLOBAL ID: T0605902573

6369

Relinquished by: (Signature)	Received by:	Date & Time
Relinquished by: (Signature)	Received by:	Date & Time 9-13-02 1755
Relinquished by: (Signature)	Received by: Melanie Erickson	Date & Time 9/13/02 16:10

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	
Not Required	0000		1875

3. Generator's Name and Mailing Address
Tosco Corporation
3525 Hyland Ave. Costa Mesa Ca. 92626
4. Generator's Phone (714) 428-7638

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Pacific Technical Services	CAR000058630	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Crosby & Overton 1830 W. 16th St. Long Beach CA 90810	CAD028409019	562-432-5445

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Hazardous Waste Liquids	001	TT	00123	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
11a. Profile #: 25803 - Groundwater

E. Handling Codes for Wastes Listed Above
15

15. Special Handling Instructions and Additional Information
Wear proper protective equipment while handling. Weights or volumes are approximate. 24 Hour emergency telephone number (562) 984-3018
Site #: 7329 Location: DANA POINT

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Gordon Clemmer Agent for Tosco Corporation		05	16	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Chris Collier		05	16	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
RICK MACDONALD		05	16	02

GENERATOR
TRANSPORTER
FACILITY

TRANSPORTER # 1

LIMITATIONS

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RE: 34164 PACIFIC COAST HWY.
DANA POINT, CA

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 24th day of April, 2003.

Sue Warnke, ART
Custodian of Records
Health Care Agency

CERT: 100600

Environmental
Science &
Engineering, Inc.
A CILCORP Company

June 17, 1996

Mr. James C. Strozier
Orange County Health Care Agency
2009 East Edinger Avenue
Santa Ana, California 92705

SUBJECT: WORKPLAN FOR ADDITIONAL SITE ASSESSMENT
CHEVRON STATION NO. 9-7460
34164 PACIFIC COAST HIGHWAY
DANA POINT, CALIFORNIA

Dear Mr. Strozier:

On behalf of Mr. G. A. Bogaczyk of Chevron U.S.A. Products Company (Chevron), Environmental Science & Engineering, Inc. (ESE) is pleased to submit this workplan for additional site assessment at the subject station. This workplan has been prepared pursuant to the requirements outlined in your letter dated October 24, 1995. Background information and our proposed scope of work are described in the following sections.

BACKGROUND INFORMATION

SITE DESCRIPTION

The subject station is a retail fuel facility occupying the northwest corner of the intersection of Pacific Coast Highway and La Plaza Street in Dana Point California (Figure 1). The station is surrounded by retail and commercial businesses.

LOCAL GEOLOGY AND HYDROGEOLOGY

Geology

The site is underlain by approximately 10 to 40 feet of Pleistocene age non-marine terrace deposits, consisting of silt and clay with some interbedded sand. These deposits unconformably overlie Pliocene-age marine deposits of the Capistrano Formation. In the site vicinity, the Capistrano formation consists of sandstone interfingered with siltstone, mudstone, and silty shale. These sedimentary rocks are relatively unfolded, and generally dip to the northeast at shallow angles (California Division of Mine and Geology [CDMG], 1974).

There is no active faulting apparent in the area, although the Newport-Inglewood fault is approximately 3 miles offshore from Dana Point. Available maps show fault movement dating a pre-Holocene age (CDMG, 1974).

17390 Brookhurst, Suite 110 Fountain Valley, CA 92708 Phone (714) 964-8722 Fax (714) 962-3383

Hydrogeology

The site is located in western-most drainage area of San Juan Groundwater Basin. Groundwater in this basin is primarily situated within the above-described Pleistocene-age deposits. Groundwater quality varies from very good to brackish, depending upon the location. Water quality at the location of the site is extremely poor with total dissolved solids of approximately 2,000 parts per million. Because of poor quality, the groundwater has no beneficial use (Saint, 1986).

SITE HISTORY AND PREVIOUS WORK

On March 5, 1987, four underground storage tanks (USTs), consisting of one 550-gallon used oil UST and three 10,000-gallon fuel USTs, were removed as part of a site upgrade program (Figure 2). Chemical analysis of soil samples collected from beneath the USTs indicated levels of total petroleum hydrocarbons (TPH) ranging in concentrations from 25 to 1,210 milligrams per kilograms (mg/kg; Converse Environmental West [CEW], 1992).

Based on these results, a soil excavation, sample collection, and analytical program was performed by Leighton and Associates (L&A) to delineate the vertical extent of the petroleum hydrocarbon impacted soil beneath the previous UST locations. The excavation was extended to depths ranging from approximately 19 to 32 feet bgs. Soil samples retrieved from the bottom of the excavation contained values of TPH ranging from below the detection limit to 48 mg/kg. The excavation was backfilled with clean soil from 32 to approximately 25 below ground surface (bgs), with hydrocarbon impacted soil from 25 to approximately 6 feet bgs, and with clean soil from 6 feet to ground level (CEW, 1992).

On April 1 and 2, 1987, three borings (B-1, B-2 and B-3) were drilled within and slightly beyond the excavation perimeter to collect samples for further testing. Borings B-1, B-2 and B-3 were advanced to approximate depths of 75, 40 and 50 feet bgs, respectively. TPH was not detected in Borings B-2 and B-3. TPH at levels of 13 and 2 mg/kg were detected in B-1 at approximately 60 and 70 feet bgs, respectively. Two soil samples were analyzed for organic lead from Boring B-1 (samples S-5 and S-9) and did not contain detectable concentrations (CEW, 1992).

In 1989, CEW utilized the computer-operated, environmental fate modeling program SESOIL to predict future plume redistribution resulting from rainfall infiltration. Plume redistribution was modeled over a 10-year period to evaluate if petroleum hydrocarbons in the soil at the site could possibly reach groundwater. Based on the results of this study, CEW concluded that a "no action" remedial alternative was appropriate for the site, and that closure should be granted. The Orange County Health Care Agency (OCHCA) responded that they would require calibration and verification of the model before accepting the model results. Subsequently, further exploration was required (CEW, 1992).

In July 1991, CEW advanced four additional soil borings, B-4 through B-7, at the station. Analysis of soil samples indicated that TPH concentrations did not exceed 10 mg/kg in samples collected from Borings B-5 through B-7 to a maximum explored depth of 40 feet bgs. In Boring B-4, TPH concentrations ranged from less than laboratory detection limit of 1 mg/kg to a

detected level of 6,773 mg/kg at a depth of 55 feet bgs. It was concluded that the lateral and vertical extents of petroleum hydrocarbons in the soil at the site appeared to be limited to the vicinity of Boring B-4, primarily at depths between 25 and 60 feet bgs (CEW, 1992).

In November 1991, CEW drilled three groundwater wells (MW-1, MW-2 and MW-3) at the station. Groundwater elevations indicated that Wells MW-2 and MW-3 were screened within a regional aquifer at approximately 130 feet bgs, and Well MW-1 was screened within a perched water-bearing zone at approximately 60 feet bgs. Data from the boring logs indicated that the two zones are separated by a clay layer and may not be in hydraulic communication. Detectable concentrations of TPH and benzene, toluene, ethylbenzene and total xylenes (BTEX) were present in groundwater samples from Well MW-1, but not from the deeper wells (MW-2 and MW-3; CEW, 1992).

In January 1992, Well MW-1 was abandoned, and four vapor extraction wells were subsequently installed (VEW-1 through VEW-4) within the perched zone at 60 feet bgs. Well VEW-1 was installed as a combination vapor extraction well and groundwater monitoring well. Well VEW-1 was installed into the perched groundwater, adjacent to former Well MW-1, effectively replacing it.

Quarterly groundwater monitoring of Wells VEW-1, MW-2 and MW-3 has been conducted since July 1992 (Alton Geoscience, 1995). On December 15, 1995 Wayne Perry Inc. (WPI) initiated vapor extraction at the site to remediate petroleum hydrocarbons in the subsurface soil. Vapor extraction is currently ongoing (WPI, 1995).

WORKPLAN

The objectives of the proposed assessment are to (1) determine the gradient of perched groundwater and (2) determine the onsite extent of petroleum hydrocarbons in this perched groundwater zone. To accomplish these objectives, ESE is proposing to install two additional groundwater wells to be screened within the perched aquifer. Data from the new wells will be used in conjunction with data from existing Well VW-1 also is screened within the perched zone. The scope of work for the additional site assessment is divided into six tasks as described below. All work will be completed under the supervision of a California Registered Geologist. The projected schedule for the assessment is in the Appendix A.

TASK 1. PERMITTING, SITE PREPARATION AND HEALTH & SAFETY PLANNING

Prior to drilling, ESE will obtain well permits from the Orange County Health Care Agency (OCHCA) and ESE personnel will mark the drilling locations. Underground Service Alert will be notified and will determine if proposed locations are clear of subsurface utility lines and equipment. In addition, ESE has prepared a site-specific health & safety plan for use during all field activities. A copy of the health & safety plan is attached.

County of
ORANGE
CALIFORNIA

HEALTH CARE AGENCY

CUSTODIAN OF RECORDS
511 N Sycamore St.
Santa Ana, CA 92701
(714) 834-3536

RECEIVED
APR 2 8 2003
RBF CONSULTING

INVOICE

Date 4/24/2003

Cert Number: 100599

Amount Due:
$31.55

Please return PAYMENT COPY with remittance

RBF CONSULTING
RICHARD BECK
14275 ALTON PARKWAY
IRVINE, CA 92618

Copy of records for - - -

6 SITES
DANA POINT, CA

Date:	Description:	Charges	Credits
	Date and amount of deposit		$0.00
4/24/2003	157 Copied pages @ 0.15 each	$23.55	
	Certified Mail	$8.00	
	Total Charges:	$31.55	
	Amount Due:		$31.55

PAID
MAY 2 2003

Please remit to:

County of Orange Health Care Agency
CUSTODIAN OF RECORDS
P.O. Box 355
Santa Ana, CA 92702

RECEIVED
MAY - 8 2003
RBF CONSULTING

***** Records will be mailed upon receipt of payment *****

Federal Tax I.D.: #95-6000-928W **Customer Copy** HW

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RBF CONSULTING
RICHARD BECK
14275 ALTON PARKWAY
IRVINE, CA 92618

CERTIFICATION OF NO RECORDS

I, the undersigned, being the Custodian of Records for the County of Orange, Health Care Agency, certify that a thorough search of our files, carried out under my direction and control, revealed no hazardous waste records regarding 24500, 24705 DANA POINT HARBOR DR., 34661 PUERTO PL., DANA POINT, CA.

It is understood that such records could exist under another spelling, name, or classification, but with the information furnished to this office and to the best of our knowledge, no such records exist in our files.

The Health Care Agency may not be the only source of records. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

Sue Warnke, ART
Custodian of Records
Health Care Agency

DATE: April 24, 2003
CERT#: 100599

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RE: 24501 DANA POINT HARBOR DR.
DANA POINT, CA

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 24th day of April, 2003.

Sue Warnke, ART
Custodian of Records
Health Care Agency

CERT: 100599

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

October 28, 1996

Bob Beauchamp
Dana West Marina
24500 Dana Point Harbor Drive
Dana Point, CA 92629

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
Dana West Marina
24501 Dana Drive
Dana Point, CA
O.C.H.C.A. Case #96UT11

Dear Mr. Beauchamp:

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above-described location. Enclosed is the Case Closure Summary regarding the above-referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please telephone James Strozier at (714) 667-3711 if you have any questions regarding this matter.

Sincerely,

Karen L. Hodel

Karen L. Hodel, R.G.
Program Manager
Hazardous Materials Mitigation Section
Environmental Health Division

KLH:dap

Attachment

cc: John Odermatt, San Diego Regional Water Quality Control Board
Mike Harper, State Water Resources Control Board
Dave Deaner, State Water Resources Control Board
Larry Honeybourne, Environmental Health Division
Rich Adler, County of Orange

Case Closure Summary
Leaking Underground Fuel Tank Program

I. Agency Information

Date: **October 21, 1996**

Agency Name: **Orange County Health Care Agency**	Address: **2009 East Edinger Avenue**
City/State/Zip: **Santa Ana, CA 92705**	Phone: **(714) 667-3700**
Responsible staff person: **James Strozier**	Title: **Hazardous Waste Specialist**

II. Case Information

Site Facility Name: **Dana West Marina**		
Site Facility Address: **24500 Dana Point Harbor Drive, Dana Point, CA**		
RB LUSTIS Case No.:	Local Case No.: **96UT11**	LOP Case No.: **96UT11**
URF Filing Date:	SWEEPS No.	
Responsible Party	Address	Phone Number
Dana West Marina Company	**24500 Dana Point Harbor Drive, D.P., CA**	**(714) 493-6222**
Bob Beauchamp		

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	**550**	**Waste Oil**	**Removed**	**July 1995**
2				

III. Release and Site Characterization Information

Cause and type of release: **unknown**		
Site characterization complete? **yes**	Date approved by oversight agency: **10-11-96**	
Monitoring wells installed? **no**	Number:	Proper screened interval?
Highest GW depth BGS: **approx. 8 ft.**	Lowest depth:	Flow direction:
Most sensitive current use: **No designated beneficial uses**		
Are drinking water wells affected? **No**	Aquifer name:	
Is surface water affected? **No**	Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? **Yes**	Where is report(s) filed? **County of Orange**	

Treatment and Disposal of Affected Material

Material	Amount (include Units)	Action (treatment or disposal/destination)	Date
Tank	**1 UST**	**unknown (tanks were removed without**	**July 1995**
Piping		**Agency approval)**	
Soil	**75 cubic yards**	**Candelaria Environmental, Anza, CA**	**3-19-96**
Groundwater			

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

Case#: **96-UT-11**
Date: **October 21, 1996**

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (418.1)	**32000**	**2700**	**N/A**						
Benzene	**.070**	**ND**	**N/A**						
Toluene	**9.7**	**ND**	**N/A**						
Xylene	**89**	**.74**	**N/A**						
Ethylbenzene	**22**	**.61**	**N/A**						

Comments (Depth of Remediation, etc.):
The waste oil tank was removed sometime during July 1995 without Agency approval or oversight. When this Agency learned of the removal, we required the tank area to be re-excavated to collect soil samples to determine if there was ever a release from the tank. The tank area was re-excavated during February 1996. The soil samples collected showed high concentrations of TRPH by method 418.1 and high concentrations of Xylene and Ethylbenzene. The tank area was then further excavated to remove approximately 75 cubic yards of contaminated soil. **(Continued below)**

IV. Closure

Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **yes**		
Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? **yes**		
Does corrective action protect public health for current land use? **yes**		
Site management requirements: **None**		
Should corrective action be reviewed if land use changes? **no**		
Monitoring wells decommissioned: **N/A**	Number decommissioned:	Number Retained:
List enforcement actions taken: **None**		
List enforcement actions rescinded:		

V. Local Agency Representative Data

Name: **James Strozier**	Title: **Hazardous Waste Specialist**	
Signature: James C. Strozier for Dawson 10-21-96 Kevin Y. Hackel 10/25/96	Date: **10-21-96**	

VI. RWQCB Notification

Date Submitted to RB: **Soil Only Case**	RB Response: **No Concurrence Needed**	
RWQCB Staff Name:	Title:	Date:

VII. Additional Comments, Data, etc.

Verification samples were collected which showed that only low concentrations of TRPH, Ethylbenzene, and Xylene remained. Benzene and Toluene were not detected in the verification samples. No groundwater investigation was required by this Agency since the site is located in the middle of Dana Point Harbor and the groundwater has no designated beneficial uses. In addition, at other, similar waste oil tank cleanup sites located within the harbor, groundwater monitoring wells were installed and monitored to assess the groundwater conditions. At these sites, no effect on the groundwater was detected.

Based upon the remedial efforts, and the results of the verification sampling, there does not appear to be a public health or groundwater threat and the case may be closed.

Thomas Hill & Associates
CONSULTING ENGINEERS

TRANSMITTAL

ATTN JIM STROZIER
TO OCHCA
2009 E. EDINGER AVENUE
SANTA ANA, CA 92705

DATE SEPTEMBER 30, 1996
SUBJECT WASTE OIL TANK CLOSURE
REMEDIAL ACTION WORK PLAN
PROJECT 5DW001

WE ARE SENDING

◊ ENCLOSED	◊ REGULAR MAIL	◊ AS REQUESTED
◊ SEPARATELY	◊ EXPRESS MAIL	♦ FOR YOUR REVIEW/APPROVAL
	♦ COURIER	◊ FOR YOUR INFORMATION/FILES
	◊ INSURED/CERTIFIED	◊ FOR YOUR COMMENT/REPLY
♦ FACSIMILE	◊ UPS	◊ FOR YOUR USE
FAX NO.: 714-972-0749	◊ OTHER	◊ PLEASE RETURN

QUANTITY	DESCRIPTION
2	Remedial Action Work Plan for Dana West

REMARKS

Jim:

Enclosed are two copies of the work plan for the Dana West Marina waste oil UST assessment activities. You may already have these, however, during review of the file this morning with my office personnel it was disclosed that they may have been omitted from the package delivered on September 26, 1996. If this is so, I offer my apologies. If they were included in the original package, you may treat these as duplicates or throw them away.

If you have any questions or need clarification, please call the writer at 714-660-1443.

COPIES TO

Bob Beauchamp - Dana West Marina

SENT BY

Gregory D. Kishiyama

THA#28-2/92 rev.1

4400 CAMPUS DRIVE • SUITE B • NEWPORT BEACH, CA 92660-1813 (714) 660-1443 FAX (714) 660-0515

Thomas Hill & Associates
CONSULTING ENGINEERS

DANA WEST MARINA
WORK PLAN FOR REMEDIAL ACTION
REMOVED WASTE OIL UNDERGROUND STORAGE TANKS
24500 DANA POINT HARBOR DRIVE
DANA POINT, CALIFORNIA

SEPTEMBER 23, 1996
ORANGE COUNTY HEALTH CARE AGENCY

---

1. SITE DESCRIPTION

1.1. The site is an active marina which has removed two (2) waste oil underground storage tanks. Soil samples were obtained on February 26, 1996 through Arpil 1, 1996 and were witnessed by the Orange County Health Care Agency (OCHCA). A report of findings as well as background site information is included with this Remedial Action Plan.

2. HYDROGEOLOGY

2.1. The site is located within the Peninsular Range Province. The native soils, as mapped by the State of California Department of Natural Resources, Division of Mines, are composed of marine terrace deposits. In situ soils encountered during previous sampling activities consisted of brown silty sand, cobbles, and small boulders. A greenish grey discoloration was observed from approximately six (6) to eight (8) feet below ground surface (bgs).

2.2. The site is located on the Pacific Ocean coastline. Depth to groundwater at the site is measured at eight (8) feet below ground surface (bgs). Groundwater data was obtained by direct measurement in the excavations.

3. INSTALLATION OF GROUND WATER MONITORING WELL
(Refer to Site Plan enclosed)

3.1. Remedial action activities will consist of installing one ground water monitoring well in the location of the removed waste oil storage tank adjacent to Building E.

3.1.1. Ground water monitoring wells will be 4" diameter, screened from five (5) feet below ground surface down to ten (10) feet into the saturated zone.

3.1.2. Wells shall not extend beyond laterally extensive clay layers. In these situations, the well shall terminate 1' into the clay layer.

3.1.3. Ground water monitoring wells will be constructed per State of California LUFT guidelines.

3.1.4. Water samples shall be obtained per State DHS guidelines after the wells have been properly developed.

3.1.5. All soil cuttings will be drummed and labeled and left on site for disposal by others under contract to Dana West Marina. Labeling information will include at a minimum:

_ Site address
_ Date of Sampling
_ Boring/well number(s) and depth(s) at which soil was taken

3.1.5.1. Soil cuttings will be disposed of as hazardous or non-hazardous waste, dependent upon the results of laboratory analyses of the soil samples taken from the respective borings.

3.1.5.2. Hazardous waste will be manifested as such and transported by a DOT certified hazardous waste transporter to a State of California approved Class I landfill facility for disposal.

3.1.5.3. Non-hazardous waste will be transported under non-hazardous waste data forms to State of California approved Class I or Class III landfill facilities for disposal.

3.1.5.4. In all cases, soil cuttings will be transported from the site less than ninety (90) days after completion of the boring operations which generated the soils. All transportation and disposal documents will be included in the final submittal to the Orange County Health Care Agency.

4. GROUND WATER SAMPLING AND LABORATORY ANALYSIS

4.1. A water sample shall be obtained per State DHS guidelines after the well has been properly developed and on a quarterly schedule until deemed unnecessary by the OCHCA.

4.2. All samples will be handled per State DHS protocol. Samples will be released to a State certified laboratory and analyzed for the constituents indicated below:

4.3. All samples.

4.3.1. TRPH per EPA method 418.1

4.3.2. BTEX per EPA method 8020.

5. SUBMITTALS

5.1. A complete report presenting the findings of the Remedial Action Plan will be submitted to the OCHCA.

6. GENERAL

6.1. All work will be scheduled to minimize interference with construction activities at the facility.

6.2. All necessary permits will be obtained before commencement of work.

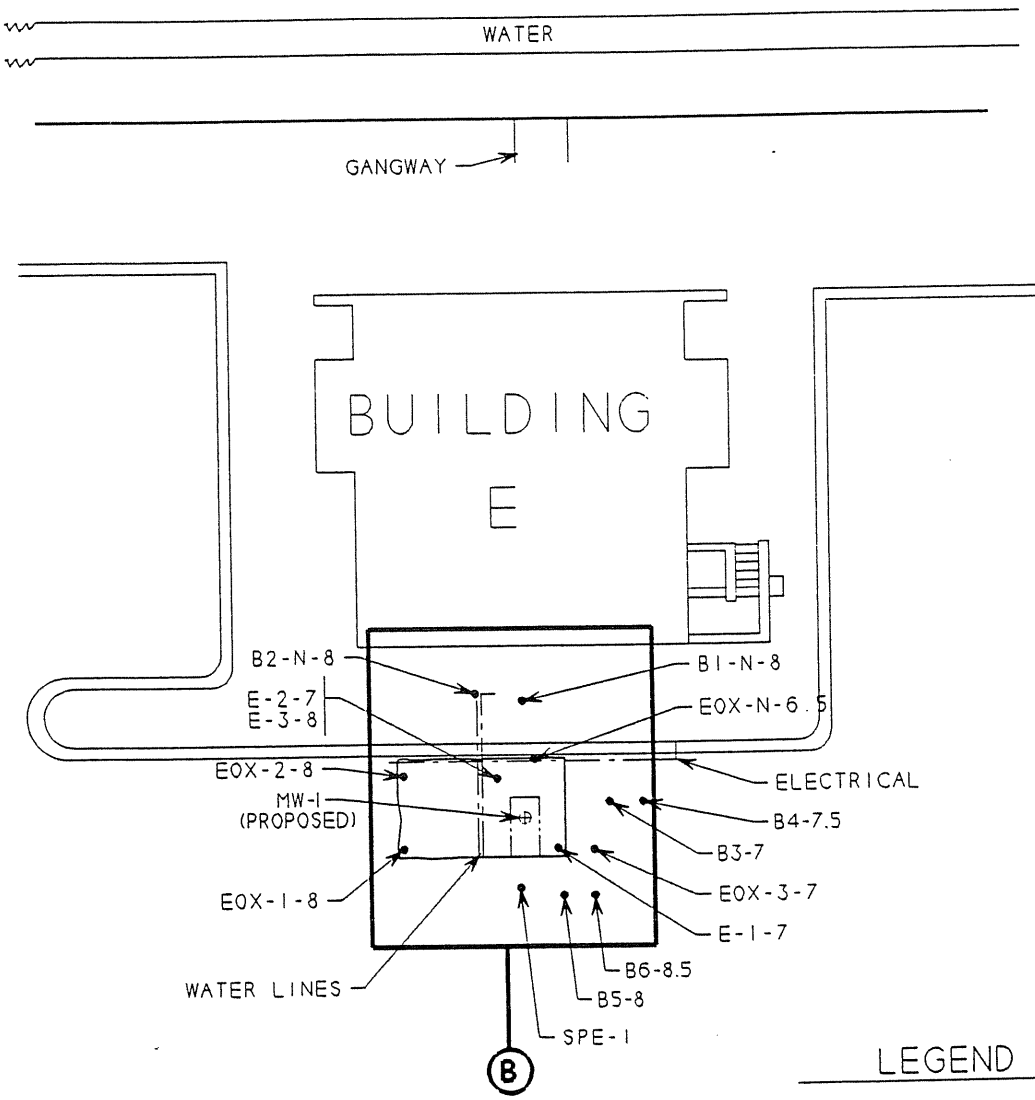
Approved by:

_____ _____

Signed Date

_____

Agency



LEGEND

• INDICATES SAMPLE LOCATION

E-3-8
- DEPTH BELOW GRADE
- SAMPLE I.D.
- SAMPLE LOCATION
  - E-BUILDING UNIT
  - SP-STOCKPILE
  - EOX-OVEREXCAVATION
  - B-BORING

SAMPLES OBTAINED ON
03/19/96 AND 03/20/96

20 10 0 20
SCALE IN FEET

NOTES/REVISIONS				
NO.	DATE	DR.	NATURE	APP.
1	02/28/96	TMM	NOTES/REVISIONS	GDK

Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA

DRAWN BY: TMM
CHECKED BY: GDK
DATE: 02/28/96
SCALE: AS SHOWN
FILENAME: SDW001S1
PROJECT: SDW001

PROPOSED BORING LOCATION

DANAWEST MARINA
24500 DANA POINT HARBOR DRIVE
DANA POINT, CALIFORNIA 92629

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

August 19, 1996

Bob Beauchamp
Dana West Marina
24500 Dana Point Harbor Drive
Dana Point, CA 92629

Subject: Quarterly Reporting Requirements For An Unauthorized Release From An Underground Storage Tank

Re: Dana West Marina
24501 Dana Drive
Dana Point, CA 92629
O.C.H.C.A. Case #96UT11

Dear Mr. Beauchamp:

Please be advised that this Agency, which is authorized to enforce the State Underground Storage Tank Laws and Regulations, has not received a current progress report regarding the investigation and remedial activities completed to date at the subject location.

The California Code of Regulations, Title 23, Subchapter 16, Section 2652, requires the owner or operator to submit reports to the local agency every three (3) months until the cleanup is complete. A current review of our files indicated that an update report is required which covers the following information:

1. A description of the corrective and remedial actions, including investigations which were undertaken and will be conducted to determine the nature , and extent of soil, groundwater or surface water contamination due to the release;

2. The method(s) of cleanup implemented to date, proposed cleanup actions, and a time schedule for implementing the proposed actions.

Please submit to this office a summary update report of the investigative and remedial activities indicated above that have occurred at the referenced location since these activities were last reported. Include also the results of these activities, where results are available. This report must be submitted within thirty (30) days of receipt of this letter.

Please call me if you have any questions at (714) 667-3711.

Sincerely,

James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS
cc: Gregory Kishiyama, Thomas Hill & Associates

COUNTY OF ORANGE

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

March 7, 1996

CERTIFIED LETTER

Bob Beauchamp
Dana West Marina
24500 Dana Point Harbor Drive
Dana Point, CA 92629

Subject: **Notice of Requirement to Reimburse**

Re: Dana West Marina
24501 Dana Drive
Dana Point, CA
O.C.H.C.A. Case #96UT11

Dear Mr. Beauchamp:

You, or the Company you represent, has been identified as a responsible party for the leaking underground storage tanks at the above referenced site. The attached Notice of Requirement to Reimburse is your formal notification of your responsibility to investigate and remedy the effects of this release and to reimburse the State Water Resources Control Board for the direct and indirect costs incurred by local and state agencies while overseeing site investigation or remedial action.

The Orange County Health Care Agency and the State Water Resources Control Board, have entered into an agreement which authorizes this Agency to oversee corrective action at sites contaminated by the unauthorized release of petroleum products from underground storage tanks. The program developed by Orange County is funded by State and Federal monies and is subject to the reimbursement requirements associated with the use of these funds. In order to comply with the reimbursement requirement, it is necessary to account for all time and materials expended by County staff at each site. On a routine basis, site specific reports detailing the time and expenses expended for each site will be provided to the State. The State will then invoice the responsible parties (RPs) for all direct and indirect costs associated with this Agency's oversight of corrective action.

This Agency will initially identify at least one RP per site, then broaden its identification process to include all other RPs. When an additional RP is identified

and added to or dismissed and deleted from the list of RPs for the referenced site, you will receive a copy of their Notice and an updated list of RPs. RPs may be held jointly and severally liable for site cleanup costs. This means that the State Water Resources Control Board may collect the entire amount due for the costs incurred at the site from any one RP or from several RPs. You may wish to negotiate with the other RPs to allocate the oversight costs when the invoice is received.

A determination of secondary responsible party status may be made if it is shown that one or more of the responsible party(ies) is performing corrective action and it is clear that the party seeking secondary status did not in any way initiate or contribute to the actual discharge. If the primary responsible party fails to perform corrective action, then the secondary responsible party will be considered a primary responsible party. To request designation as a secondary responsible party, contact the undersigned Hazardous Waste Specialist.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please fax your request to Roni Riley at the State Water Resources Control Board at (916) 227-4349 or telephone (916) 227-4408.

If any of the information contained in the Notice of Requirement to Reimburse is incorrect or if you have any questions regarding the reimbursement requirements, please contact this office at (714) 667-3700.

Very truly yours,

James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS:ml

cc: State Water Resources Control Board
Rich Adler, County of Orange

State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

NOTICE OF REQUIREMENT TO REIMBURSE

Site Code 96UT11

Date First Reported 2/26/96

Site Name Dana West Marina

Substance waste oil
Petroleum Yes

Address 24501 Dana Drive

City/State/Zip Dana Point, CA

Responsible Party Dana West Marina

Responsible Party Contact Bob Beauchamp

Address 24500 Dana Point Harbor Drive

City/State/Zip Dana Point, CA 92629

The Federal Petroleum Leaking Underground Storage Tank Trust Fund (Federal Trust Fund) provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The direct and indirect costs of overseeing site investigation or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund. The above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site. YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6), and Section 25297.1 of the California Health and Safety Code, the above Responsible Party or Parties must reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above referenced underground storage tank site, and the above Responsible Party or Parties must make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Contract Project Director:

Robert E. Merryman (714) 667-3771 3/7/96

Signature Telephone Number Date

Add: X Reason: add to program

Delete: Reason:

Change: Reason:

GROUNDWATER CLEANUP PROGRAM

Multiple Responsible Party Listing

Case # 96UT11 Date: 3/7/96

Site DBA: Dana West Marina

Address: 24501 Dana Drive

Dana Point, CA

Primary RP

Contact/RP Name: Bob Beauchamp

Business Name: Dana West Marina

Address: 24500 Dana Point Harbor Drive, Dana Point, CA

Additional RP(s)

Contact/RP Name: Rich Adler

Business Name: County of Orange

Address: P.O. Box 4048, Santa Ana, CA 92702-4048

Contact/RP Name: _____

Business Name: _____

Address: _____

Contact/RP Name: _____

Business Name: _____

Address: _____

COUNTY OF ORANGE

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

March 6, 1996

Bob Beauchamp
Dana West Marina
24500 Dana Point Harbor Drive
Dana Point, CA 92629

Subject: **Notification To Initiate Corrective Action at the Site of An Unauthorized Underground Storage Tank Release**

Re: Dana West Marina
24501 Dana Drive
Dana Point, CA
O.C.H.C.A. Case #96UT11

Dear Mr. Beauchamp:

Based on inspections and/or tests performed by, or reported to, this Agency, on February 26, 1996 it has been determined that an unauthorized release of waste oil from an underground storage tank has occurred at the above referenced location. According to our records, you or the company you represent, have been identified as responsible for the underground tank at this location. This Agency, which is authorized to oversee underground storage tank corrective actions at this location, directs Dana West Marina to initiate corrective action.

Corrective action includes all activity necessary to: 1) Investigate and analyze the effects of an unauthorized release; 2) Implement a cost effective plan that will adequately protect human health, safety and the environment, and, 3) Restore or protect current and potential beneficial uses of water. Corrective action, as specified in the California Code of Regulations (CCR), Title 23, Division 3, Chapter 16, California Underground Storage Tank Regulations includes the following: (a copy of referenced regulations is enclosed):

Preliminary Site Assessment and Initial Abatement: You are required to conduct an initial site investigation and characterization, and to implement initial abatement actions (Sections 2652, 2653, and 2654).

Interim Remedial Actions: Section 2722(b) requires that you take interim remedial actions, as necessary, to abate or correct the effects of an unauthorized release. This includes free product removal in accordance with Section 2655. Before taking interim remedial action, submit a workplan of the proposed actions to this Agency for review and approval. You

may perform an interim remedial action concurrently with any corrective action listed below. Interim remedial actions include, but are not limited to, those actions listed in Section 2722(b).

Soil and Water Investigation: You are required to conduct an investigation of the unauthorized release when requested to do so by this Agency. This includes the collection and analysis of data necessary to assess the nature and vertical and lateral extent of the contamination. You will be required to submit to this Agency a Soil and Water Investigation Workplan for site assessment for review and approval (Section 2722[c]). The workplan shall include proposed actions and a proposed schedule for their completion (Section 2722[d]).

Corrective Action Plan: Using the information obtained in the Soil and Water Investigation, you will be required to submit a proposed Corrective Action Plan to this Agency for review and concurrence (Sections 2725[b] & [c]). The Plan shall include the elements listed in Section 2725(d), and a selection of the most cost-effective remedial action alternatives (Section 2725[b]).

Corrective Action Implementation: Upon this Agency's concurrence that implementation of the Corrective Action Plan will adequately protect human health, safety, and the environment (Section 2725[c]), you will be required to implement the Corrective Action and monitor, evaluate and report the results of the implementation on a schedule agreed to by this Agency (Section 2726[b]).

Verification Monitoring: Finally, you will be required to verify completion of the Corrective Action Plan through sampling of soil or monitoring of water. You will be required to submit monitoring data and an evaluation of the results of such monitoring in writing on a schedule and for a duration agreed to by this Agency (Section 2727).

All submitted workplans are subject to modification, as necessary, at the direction of this Agency (Section 2722[d]).

This Agency has made a determination that a Soil and Water Investigation is necessary at this site (Section 2724[d]). You are directed to initiate a site investigation to determine the extent of soil contamination caused by the underground storage tank release. Where groundwater is affected or threatened, you are also instructed to determine the extent of groundwater contamination.

Submit to this Agency a workplan to include proposed actions and a proposed schedule for thei completion (Section 2722[d]) within 90 days of receipt of this letter. You are also to submit repo containing updates of information required in Section 2652(c), and the results of all investiga and corrective actions to this Agency every 3 months until the investigation and remediatio complete (Section 2652[d]).

Copies of correspondence, workplans, and reports must also be routinely provide appropriate Regional Water Quality Control Board.

Upon completion of required corrective action, this Agency will inform the responsible party that no further work is required.

You may contact me at (714) 667-3711.

Sincerely,

James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS:ml

cc: John Odermatt, San Diego Regional Water Quality Control Board

Enclosure

COUNTY OF ORANGE

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

CERTIFIED LETTER

March 7, 1996

Rich Adler
County of Orange
P.O. Box 4048
Santa Ana, CA 92702-4048

Subject: **Notice of Requirement to Reimburse**

Re: Dana West Marina
24501 Dana Drive
Dana Point, CA
O.C.H.C.A. Case #96UT11

Dear Mr. Adler:

You, or the Company you represent, has been identified as a responsible party for the leaking underground storage tanks at the above referenced site. The attached Notice of Requirement to Reimburse is your formal notification of your responsibility to investigate and remedy the effects of this release and to reimburse the State Water Resources Control Board for the direct and indirect costs incurred by local and state agencies while overseeing site investigation or remedial action.

The Orange County Health Care Agency and the State Water Resources Control Board, have entered into an agreement which authorizes this Agency to oversee corrective action at sites contaminated by the unauthorized release of petroleum products from underground storage tanks. The program developed by Orange County is funded by State and Federal monies and is subject to the reimbursement requirements associated with the use of these funds. In order to comply with the reimbursement requirement, it is necessary to account for all time and materials expended by County staff at each site. On a routine basis, site specific reports detailing the time and expenses expended for each site will be provided to the State. The State will then invoice the responsible parties (RPs) for all direct and indirect costs associated with this Agency's oversight of corrective action.

This Agency will initially identify at least one RP per site, then broaden its identification process to include all other RPs. When an additional RP is identified and added to or dismissed and deleted from the list of RPs for the referenced site, you will receive a copy of

their Notice and an updated list of RPs. RPs may be held jointly and severally liable for site cleanup costs. This means that the State Water Resources Control Board may collect the entire amount due for the costs incurred at the site from any one RP or from several RPs. You may wish to negotiate with the other RPs to allocate the oversight costs when the invoice is received.

A determination of secondary responsible party status may be made if it is shown that one or more of the responsible party(ies) is performing corrective action and it is clear that the party seeking secondary status did not in any way initiate or contribute to the actual discharge. If the primary responsible party fails to perform corrective action, then the secondary responsible party will be considered a primary responsible party. To request designation as a secondary responsible party, contact the undersigned Hazardous Waste Specialist.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please fax your request to Roni Riley at the State Water Resources Control Board at (916) 227-4349 or telephone (916) 227-4408.

If any of the information contained in the Notice of Requirement to Reimburse is incorrect or if you have any questions regarding the reimbursement requirements, please contact this office at (714) 667-3700.

Very truly yours,

James C. Strozier

James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS:ml

cc: State Water Resources Control Board
Bob Beauchamp, Dana West Marina

State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

NOTICE OF REQUIREMENT TO REIMBURSE

Site Code 96UT11

Date First Reported 2/26/96

Site Name Dana West Marina

Substance waste oil
Petroleum Yes

Address 24501 Dana Drive

City/State/Zip Dana Point, CA

Responsible Party County of Orange

Responsible Party Contact Rich Adler

Address P.O. Box 4048

City/State/Zip Santa Ana, CA 92702-4048

The Federal Petroleum Leaking Underground Storage Tank Trust Fund (Federal Trust Fund) provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The direct and indirect costs of overseeing site investigation or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund. The above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site. YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6), and Section 25297.1 of the California Health and Safety Code, the above Responsible Party or Parties must reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above referenced underground storage tank site, and the above Responsible Party or Parties must make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Contract Project Director:

Robert E. Merryman (714) 667-3771 3/7/96

Signature Telephone Number Date

Add: X Reason: add to program

Delete: Reason:

Change: Reason:

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

LABORATORY REPORT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CA 92705

		GEOTEST PROJECT NO.:	961164-01
REPORT TO:	J. STROZIER	CLIENT ID:	5DW001
COPIES TO:	GREG KISHIYAMA, THOMAS HILL & ASSOCIATES		
PROJECT NAME:	DANA WEST MARINA - WASTE OIL TANKS		
SITE LOCATION:	24500 DANA POINT HARBOR DRIVE DANA POINT, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 03/19/96 and received intact and cool on 03/20/96. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
418.1	2-3
BTEX	4-5

REVIEWED AND APPROVED: Richard Villafania, Laboratory Manager

REPORT DATE: 3-22-96

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST: WK

GEOTEST PROJECT NO.: 961164-01
CLIENT ID: 5DW001

MATRIX: SOIL

ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
LUFT MANUAL (Modified EPA method 418.1)

		TRPH	DETECTION LIMIT
UNITS:		mg/Kg	mg/Kg
SAMPLE ID	**DATE ANALYZED**		
METHOD BLANK	03/20/96	ND	10
EOX-1-8	03/20/96	ND	10
EOX-2-8	03/20/96	ND	10
EOX-3-7	03/20/96	1300	10

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST: WK

GEOTEST PROJECT NO.: 961164-01
CLIENT ID: 5DW001

MATRIX: SOIL

ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
LUFT MANUAL (Modified EPA method 418.1)

		RECOVERY	ACCEPTABLE RANGE
UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
LCS	03/20/96	110	70-130
MATRIX SPIKE	03/20/96	111	70-130
MATRIX SPIKE DUPLICATE	03/20/96	112	70-130
RPD		0.9	0-25

LCS - Laboratory Control Standard
RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	EM	GEOTEST PROJECT NO.:	961164-01
		CLIENT ID:	5DW001
PREP. METHOD:	5030		
DATE PREPARED:	03/20/96	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/PID
BTEX BY EPA METHOD 8020

COMPONENTS:		BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	SURROGATE RECOVERY
UNITS:		mg/Kg	mg/Kg	mg/Kg	mg/Kg	%
DETECTION LIMITS:		0.005	0.005	0.005	0.015	
SAMPLE ID	DATE ANALYZED					
METHOD BLANK	03/20/96	ND	ND	ND	ND	100
EOX-1-8	03/20/96	ND	ND	ND	ND	92
EOX-2-8	03/20/96	ND	ND	ND	ND	98
EOX-3-7	03/20/96	ND	ND	ND	ND	101

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	EM	GEOTEST PROJECT NO.:	961164-01
		CLIENT ID:	5DW001
PREP. METHOD:	5030		
DATE PREPARED:	03/20/96	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/PID
BTEX BY EPA METHOD 8020

COMPONENTS:		BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%	%	%	%
SAMPLE ID	DATE ANALYZED					
LCS	03/20/96	95	91	93	84	80-120
MATRIX SPIKE	03/20/96	100	94	87	73	70-130
MATRIX SPIKE DUPLICATE	03/20/96	97	92	85	71	70-130
RPD		3.0	2.2	2.3	2.8	0-25

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

961164-01/9845A

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: GEOTEST

DATE RECEIVED: 3/20/96

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Dana West Marina
24501 Dana Dr. Dana Pt

DATE OF COLLECTION: 3/19/96

SAMPLE COLLECTOR/COMPANY: Greg. Kishiyama
Thomas Hill & Assoc.

TELEPHONE NO.: 660-0515

HCA REPRESENTATIVE: J. Strozier
667-3711

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
EOX-1-8	418.1, 8020,	EPA Method 418.1 for	
EOX-2-8	418.1, 8020,	Waste oil + EPA	
EOX-3-7	418.1, 8020	method 8020 for	
		B.T.X.E.	

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	James C. Strozier	HCA/Env. Health	3/19/96 . 4:00
2.	[illegible]	Thomas Hill & Assoc	3/19/96 . 4:00
3.	Thomas Hill	Thomas Hill & Assoc	3/19/96 . 5:30
4.	Michele Berry	GEOTEST	3/20/96 . 0809
5.			-
6.			-

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

DANA WEST MARINA
24500 DANA POINT HARBOR DRIVE
DANA POINT, CA

REPORT TO:	GREG KISHIYAMA THOMAS HILL & ASSOCIATES	GEOTEST PROJECT NO.: CLIENT ID:	961164-01 5DW001
PROJECT NAME:	DANA WEST MARINA - WASTE OIL TANKS		
SITE LOCATION:	24500 DANA POINT HARBOR DRIVE DANA POINT, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 03/20/96 and received intact and cool on 03/21/96. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
418.1	2-3
BTEX	4-5

COPY

REVIEWED AND APPROVED: R Villafania

Richard Villafania, Laboratory Manager

REPORT DATE: 3-22-96

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST
An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST: FN, TM

GEOTEST PROJECT NO.: 961164-01
CLIENT ID: 5DW001

MATRIX: SOIL

ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
LUFT MANUAL (Modified EPA method 418.1)

UNITS:		TRPH mg/Kg	DETECTION LIMIT mg/Kg
SAMPLE ID	DATE ANALYZED		
METHOD BLANK	03/21/96	ND	10
B1-N-8	03/21/96	ND	10
EOX-N-6.5	03/21/96	32000	10
B2-N-8	03/21/96	ND	10

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST: FN, TM

GEOTEST PROJECT NO.: 961164-01

CLIENT ID: 5DW001

MATRIX: SOIL

ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

LUFT MANUAL (Modified EPA method 418.1)

UNITS:		RECOVERY %	ACCEPTABLE RANGE %
SAMPLE ID	DATE ANALYZED		
LCS	03/21/96	102	70-130
MATRIX SPIKE	03/21/96	110	70-130
MATRIX SPIKE DUPLICATE	03/21/96	110	70-130
RPD		0	0-25

LCS - Laboratory Control Standard
RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	EM	GEOTEST PROJECT NO.:	961164-01
		CLIENT ID:	5DW001
PREP. METHOD:	5030		
DATE PREPARED:	03/21/96	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/PID
BTEX BY EPA METHOD 8020

COMPONENTS:		BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	SURROGATE RECOVERY
UNITS:		mg/Kg	mg/Kg	mg/Kg	mg/Kg	%
DETECTION LIMITS:		0.005	0.005	0.005	0.015	
SAMPLE ID	DATE ANALYZED					
METHOD BLANK	03/21/96	ND	ND	ND	ND	100
B1-N-8	03/21/96	ND	ND	ND	ND	93
EOX-N-6.5	03/21/96	0.070	9.7	22	89	159*
B2-N-8	03/21/96	ND	ND	ND	ND	100

* - Matrix interference due to presence of gasoline.

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST : EM

GEOTEST PROJECT NO.: 961164-01

CLIENT ID: 5DW001

PREP. METHOD: 5030

DATE PREPARED: 03/21/96

MATRIX: SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/PID

BTEX BY EPA METHOD 8020

COMPONENTS:		BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%	%	%	%
SAMPLE ID	DATE ANALYZED					
LCS	03/21/96	92	88	90	85	80-120
MATRIX SPIKE	03/21/96	100	94	87	73	70-130
MATRIX SPIKE DUPLICATE	03/21/96	97	92	85	71	70-130
RPD		3.0	2.2	2.3	2.8	0-25

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624-5744
Fax: (310) 597-0786

CHAIN-OF-CUSTODY RECORD

9603066

GEOTEST PROJECT NO: 961164-01 / 9850A
DATE 3/20/96 PAGE 1 OF 1

PROJECT NAME DANA WEST MARINA - WASTE OIL TANKS
ADDRESS 24500 DANA POINT HARBOR DR.
SAMPLER'S SIGNATURE
PRINTED NAME GREGORY D KISHIYAMA
CLIENT PROJECT NO. 9850J
PROJECT MANAGER GREG KISHIYAMA

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
B1-N-8	3/20/96	2:30	8'3" @ 30° SLANT START 4' DN			X	X	S	BRASS		STD TAT
EXC-N-6.5		3:05	N. WALL OF BLDG & EXC. 6.5' DN								
B2-N-8		3:25	BLDG E N. SIDE OF EXC BY WATER LINE 90°								

T=8°C

1 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	5 RELINQUISHED BY	DATE
SIGNATURE	3/21/96	SIGNATURE		SIGNATURE	3/21/96
PRINTED NAME GREGORY D. KISHIYAMA	TIME 3:50	PRINTED NAME	TIME	PRINTED NAME Thomas Hill & Assoc.	TIME 8:03
COMPANY THOMAS HILL & ASSOC		COMPANY		COMPANY	
2 RECEIVED BY	**DATE**	**4 RECEIVED BY**	**DATE**	**6 RECEIVED BY (LAB)**	**DATE**
SIGNATURE Tom Macias	3/20/96	SIGNATURE		SIGNATURE	3/21/96
PRINTED NAME TOM MACIAS	TIME 3:50	PRINTED NAME	TIME	PRINTED NAME	TIME 803
COMPANY Thomas Hill & Assoc.		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
REPORT TO:
THOMAS HILL & ASSOC

INVOICE TO:
DANA WEST MARINA

Thomas Hill & Associates
CONSULTING ENGINEERS

March 14, 1996

Mr. James C. Strozier
Orange County Health Care Agency
P.O. Box 355
Santa Ana, CA 92702

Dana West Marina
24500 Dana Point Harbor Drive, Dana Point, CA
OCHCA Case #96UT11

Dear Mr. Strozier:

Dana West Marina has received your notification to initiate corrective action (letter dated March 6, 1996) and is taking steps to comply with the outlined requests. A Soil and Water Investigation Workplan and proposed schedule is being developed and will be submitted to your office within 90 days. In the interim, we would like to conduct limited overexcavation per Section 2722(b) of the California Code of Regulations, Title 23, Division 3, Chapter 16 in the area of the waste oil tank adjacent to Building E which indicated elevated levels of hydrocarbon constituents in the soil samples obtained on February 26, 1996 under your direction.

Please review the enclosed Interim Remedial Action Workplan outlining the proposed activities. In general, we are proposing to perform overexcavation in the area of the impacted soil adjacent to building E. We feel that the extent of impacted soil may be limited and the overexcavation may prove to be a cost effective measure. Additionally, the information obtained from this work may reduce the proposed activities outlined in the Soil and Water Investigation Workplan.

We would like to perform the soils excavation on Tuesday, March 19, 1996 and schedule inspection and sampling activities by your office for 1:00 p.m. on this date.

The excavation of the tank area remains as it did on February 26, 1996 (date of initial inspection and sampling). Dana West Marina would like to backfill the excavation as soon as possible. Thank you for your attention. Please call the writer if you have any questions or require clarification.

Very truly yours,

Gregory D. Kishiyama

encl.: Interim Remedial Action Workplan, dated March 14, 1996 (5 pages)

cc: Bob Beauchamp, Dana West Marina

4400 CAMPUS DRIVE • SUITE B • NEWPORT BEACH, CA 92660-1813 (714) 660-1443 FAX (714) 660-0515

Thomas Hill & Associates
CONSULTING ENGINEERS

DANA WEST MARINA
WORK PLAN FOR INTERIM REMEDIAL ACTION
REMOVED WASTE OIL UNDERGROUND STORAGE TANKS
24500 DANA POINT HARBOR DRIVE
DANA POINT, CALIFORNIA

MARCH 14, 1996
ORANGE COUNTY HEALTH CARE AGENCY

---

1. SITE DESCRIPTION

1.1. The site is an active marina which has removed two (2) waste oil underground storage tanks. Soil samples were obtained on February 26, 1996 and were witnessed by the Orange County Health Care Agency (OCHCA). A report of findings as well as background site information such as land use and past activities will be included as part of the Interim Remedial Action.

2. HYDROGEOLOGY

2.1. Geological, hydrological, and topographical information from an authoritative source will be included as part of the Interim Remedial Action.

3. EXCAVATION OF SOILS FOR SITE ASSESSMENT

(Refer to Site Plan enclosed)

3.1. Interim Remedial Action activities will consist of excavation of soils in the area of the removed UST adjacent to Building E (on the island parallel to Dana Drive) and collection of soil samples to verify in situ conditions.

3.1.1. Soil removal will be performed no more than five (5) feet laterally from the current excavation limits.

3.1.2. The excavation will not exceed the soil-water interface which occurs at approximately eight (8) to ten (10) feet below ground surface without approval from OCHCA.

3.1.3. Excavation activities will be terminated based on visual observation of removed soil or when the excavation reaches the maximum predetermined limits. Upon completion of excavation activities, soil samples will be obtained per the direction

of the OCHCA inspector. If no direction is given by the OCHCA inspector, one soil sample will be obtained from each wall and at the bottom of the resulting excavation for laboratory analysis.

3.1.4. If laboratory data indicate that acceptable levels of the constituents under investigation are not achieved, and the excavation is at the proposed limits, work will stop and alternative assessment activities will be considered.

3.1.5. Upon completion of excavation activities, the resulting hole will be backfilled with acceptable fill material.

3.2. Groundwater monitoring wells will be outlined in the Soil and Water Investigation Workplan to be submitted at a later date.

3.3. All excavated soil will be stockpiled on site pending proper disposition of the material. Soil samples will be obtained as appropriate to properly profile the soil. Disposal of the stockpiles will be conducted by others under contract to Dana West Marina.

3.3.1. Stockpiled soil will be disposed of as hazardous or non-hazardous waste based upon the laboratory analyses of stockpile soil samples.

3.3.1.1. Hazardous waste will be manifested as such and transported by a DOT certified hazardous waste transporter to a State of California approved TSD facility.

3.3.1.2. Non-hazardous waste will be transported and/or disposed of per State of California approved methods.

3.4. In all cases, hazardous waste generated during excavation activities will be transported from the site less than ninety (90) days after completion of excavation activities. All transportation and disposal documents will be included in the final submittal to the OCHCA.

4. SOIL AND GROUNDWATER SAMPLING AND LABORATORY ANALYSIS

4.1. During excavation, undisturbed soil samples shall be obtained from the backhoe bucket at each sidewall and at the bottom of the hole (or as directed by the OCHCA).

4.2. All samples will be handled per State DHS protocol. Samples will be released to a State certified laboratory and analyzed for the constituents indicated below:

4.3. All samples.

4.3.1. TRPH per EPA method 418.1

4.4. Samples which indicate TRPH greater than 100 mg/kg.

4.4.1. Volatile Organics per EPA method 8240 (or 8010 / 8020).

5. SUBMITTALS

5.1. A complete report presenting the findings of the Interim Remedial Action will be submitted to the OCHCA.

6. GENERAL

6.1. All work will be scheduled to minimize interference with construction activities at the facility.

6.2. All necessary permits will be obtained before commencement of work.

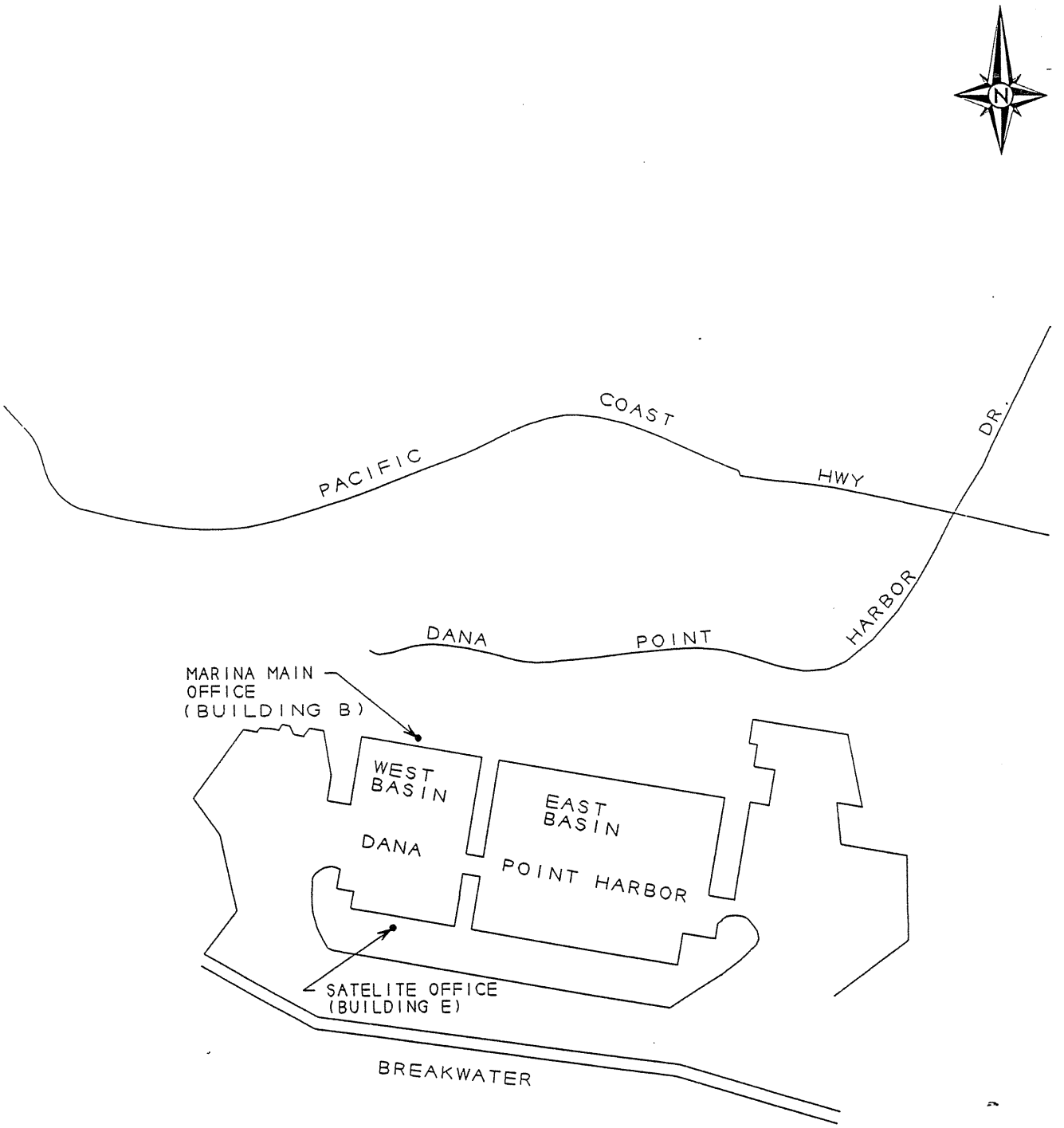
Approved by:

_____ _____

Signed Date

_____

Agency



NOTES/REVISIONS

NO.	DATE	DR.	NATURE	APP.
1	01/09/96	TMM	NOTES/REVISONS	

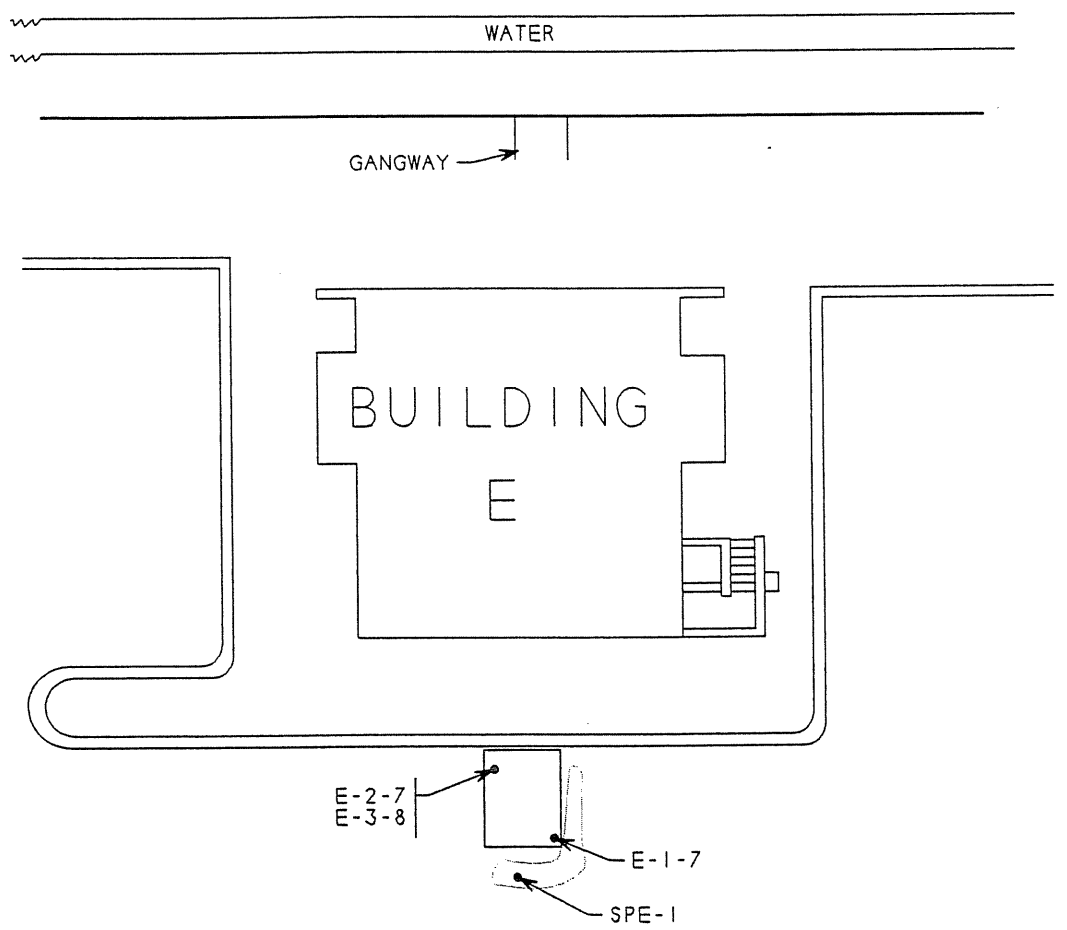
Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA

DRAWN BY: TMM
CHECKED BY: GDK
DATE: 01/09/96

SCALE: NONE
FILENAME: 5DW001S1
PROJECT: 5DW001

SITE PLAN

DANAWEST MARINA
24500 DANA POINT HARBOR DRIVE
DANA POINT, CALIFORNIA 92629



LEGEND

• INDICATES SAMPLE LOCATION

E-3-8

- DEPTH BELOW GRADE
- SAMPLE I.D.
- SAMPLE LOCATION
  - E-BUILDING UNIT
  - SP-STOCKPILE

20 10 0 20

SCALE IN FEET

NOTES/REVISIONS

NO.	DATE	DR.	NATURE	APP.
1	02/28/96	TMM	NOTES/REVISIONS	GDK

Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA

DRAWN BY: TMM
CHECKED BY: GDK
DATE: 02/28/96

SCALE: AS SHOWN
FILENAME: SDW0015I
PROJECT: SDW001

SAMPLE LOCATIONS

DANAWEST MARINA
24500 DANA POINT HARBOR DRIVE
DANA POINT, CALIFORNIA 92629

FIELD ACTIVITY DESCRIPTION

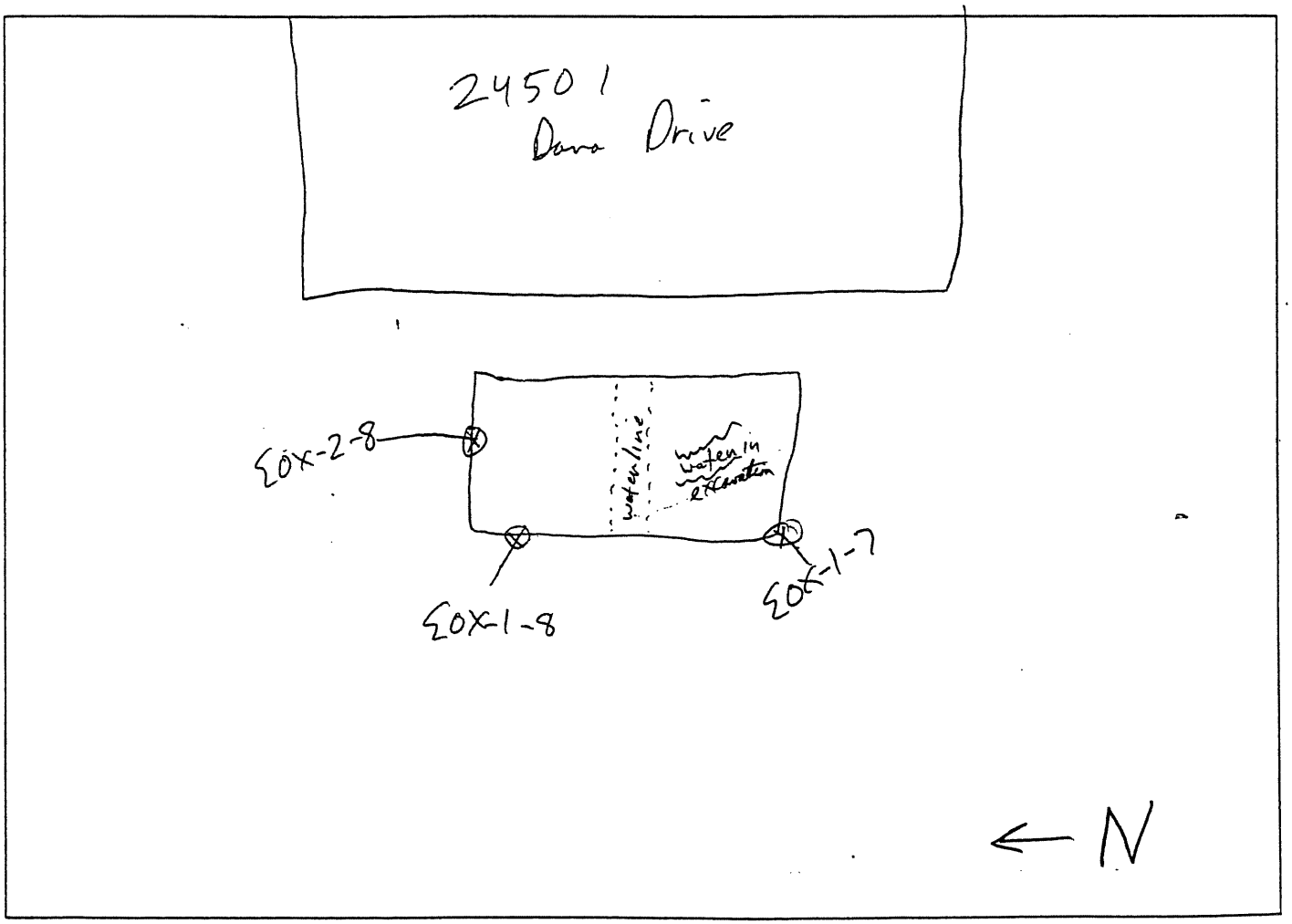
Dana West Marina 24501 Dana Dr. Dana Point
Facility Name

PC # _____ TI # _____ LUST # 96UT11 IR # _____

Inspector: J. Strozier Date: 3/19/96 Time: _____

Field Activity: Verification Sampling of Excavation:

The backhoe operator did not start excavation until about 1:45 as the excavation of the contaminated soil was delayed. The northern end of the excavation might be clean, as the 7-8 foot layer was discolored but no odors were present. The south & west sides were not excavated completely and will be finished tomorrow. Greg Kashiyama of Thomas Hall & Assoc. & Bob Beaubaug were on site.



CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ____ COUNTY SEAL(S) INTACT: ____

CONTAINER IN GOOD CONDITION: ____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: [illegible]

DATE OF COLLECTION: 3/14/96

SAMPLE COLLECTOR/COMPANY: [illegible]

TELEPHONE NO.: [illegible]

HCA REPRESENTATIVE: [illegible]

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
60X-1-9	418.1 8020	[illegible]	
60X-2-8	418.1 8020	[illegible]	
60X-3-7	418.1 8020	[illegible]	

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	[illegible]	3/14/96 - [illegible]
2.	[signature]	[illegible]	3/19/96 - [illegible]
3.			-
4.			-
5.			-
6.			-

F272-9.1531.1(R8/89) CRS

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

RECEIVED
MAR 05 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

GEOTEST
An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

LABORATORY REPORT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CA 92705

		GEOTEST PROJECT NO.:	961164-01
REPORT TO:	J. STROZIER	CLIENT ID:	5DW001
COPIES TO:	GREG KISHIYAMA, THOMAS HILL & ASSOCIATES		
PROJECT NAME:	DANA WEST MARINA - WASTE OIL TANKS		
SITE LOCATION:	24500 DANA POINT HARBOR DRIVE DANA POINT, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 02/26/96 and received intact and cool on 02/26/96. An additional analysis was requested on 02/27/96. In accordance with the amended chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
8010/8020	2-3

REVIEWED AND APPROVED: R Villafania
Richard Villafania, Laboratory Manager

REPORT DATE: 3-1-96

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	RG, AG	GEOTEST PROJECT NO.:	961164-01
		CLIENT ID:	5DW001
PREP. METHOD:	5030		
DATE PREPARED:	02/29/96	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	SPB-1	SPB-2	E-1-7	E-2-7	E-3-8	SPE-1	DETECTION LIMIT
UNITS:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
DATE ANALYZED:	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96	
COMPOUNDS							
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	0.010
Chloromethane	ND	ND	ND	ND	ND	ND	0.010
Vinyl chloride	ND	ND	ND	ND	ND	ND	0.010
Bromomethane	ND	ND	ND	ND	ND	ND	0.010
Chloroethane	ND	ND	ND	ND	ND	ND	0.010
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	0.010
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	0.005
Methylene chloride	ND	ND	ND	ND	ND	ND	0.020
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.005
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	0.005
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.005
Chloroform	ND	ND	ND	ND	ND	ND	0.005
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	0.005
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	0.005
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	0.005
Trichloroethene	ND	ND	ND	ND	ND	ND	0.005
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	0.005
Bromodichloromethane	ND	ND	ND	ND	ND	ND	0.005
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.005
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.005
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	0.005
Tetrachloroethene	ND	ND	ND	0.007	ND	ND	0.005
Dibromochloromethane	ND	ND	ND	ND	ND	ND	0.005
Chlorobenzene	ND	ND	ND	ND	ND	ND	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	0.005
Bromoform	ND	ND	ND	ND	ND	ND	0.005
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	0.005
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.005
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.005
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.005
Benzene	ND	ND	0.057	0.019	0.008	ND	0.005
Toluene	0.006	0.005	0.59	1.3	0.009	ND	0.005
Ethylbenzene	0.006	0.011	3.9	21	1.5	0.018	0.005
m,p - Xylenes	0.028	0.054	12	23	3.0	0.021	0.010
o - Xylene	0.029	0.037	13	20	3.2	0.011	0.005
Surrogate Recovery (%) :	101	101	108	98	101	98	
Acceptable Range (%):	70-130	70-130	70-130	70-130	70-130	70-130	

Surrogate : a,a,a-Trifluorotoluene

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	RG, AG	GEOTEST PROJECT NO.:	961164-01
		CLIENT ID:	5DW001
PREP. METHOD:	5030		
DATE PREPARED:	02/29/96	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	METHOD BLANK	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	DETECTION LIMIT
UNITS:	mg/Kg	%	%	%	%	mg/Kg
DATE ANALYZED:	02/29/96	02/29/96	02/29/96	02/29/96		
COMPOUNDS						
Dichlorodifluoromethane	ND					0.010
Chloromethane	ND					0.010
Vinyl chloride	ND					0.010
Bromomethane	ND					0.010
Chloroethane	ND					0.010
Trichlorofluoromethane	ND					0.010
1,1-Dichloroethene	ND	111	94	99	5.2	0.005
Methylene chloride	ND					0.020
trans-1,2-Dichloroethene	ND	101	113	122	8.5	0.005
1,1-Dichloroethane	ND	101	117	123	5.0	0.005
cis-1,2-Dichloroethene	ND	100	119	123	3.3	0.005
Chloroform	ND					0.005
1,1,1-Trichloroethane	ND	104	112	116	3.5	0.005
Carbon tetrachloride	ND					0.005
1,2-Dichloroethane	ND	87	112	119	6.1	0.005
Trichloroethene	ND	98	113	119	5.2	0.005
1,2-Dichloropropane	ND					0.005
Bromodichloromethane	ND					0.005
cis-1,3-Dichloropropene	ND					0.005
trans-1,3-Dichloropropene	ND					0.005
1,1,2-Trichloroethane	ND	86	113	121	6.8	0.005
Tetrachloroethene	ND	95	111	109	1.8	0.005
Dibromochloromethane	ND					0.005
Chlorobenzene	ND					0.005
1,1,1,2-Tetrachloroethane	ND					0.005
Bromoform	ND					0.005
1,1,2,2-Tetrachloroethane	ND					0.005
1,3-Dichlorobenzene	ND					0.005
1,4-Dichlorobenzene	ND					0.005
1,2-Dichlorobenzene	ND					0.005
Benzene	ND	104	99	103	4.0	0.005
Toluene	ND	102	100	104	3.9	0.005
Ethylbenzene	ND					0.005
m,p - Xylenes	ND	105	107	106	1.0	0.010
o - Xylene	ND	105	106	96	9.9	0.005
Acceptable Range (%) :		80-120	70-130	70-130	0-25	

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

961164-01 19777A

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 116

DATE RECEIVED: 2/26/96

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED:

ANALYST: 418.1 analyses - Wilson Kwan

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: ~~Dana West Marina~~
24501 ~~Dana Dr.~~ Dana Dr. Dana Pt

DATE OF COLLECTION: 2/26/96

SAMPLE COLLECTOR/COMPANY: G. Kishiyama
Thomas Hill & Assoc.

TELEPHONE NO.: 660-1443

HCA REPRESENTATIVE: J. Strozier
667-3711

6. ⊗ Add analyses based upon instruction on chain of custody. (19777B)

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
E-1-7	418.1, (⊗ 8010, 8020 ⊗ 8010/8020)	E.P.A. Method 418.1 for Waste o.i	
E-2-7	⊗ 8010/8020		
E-3-6	⊗ 8010/8020		
SPE-1	⊗ 8010/8020	Run 8010, 8020 if TRPH is over 100 ppm or 8240	

X

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	James Grayson	HCA/Env. Health	2/26/96
2.	Kishiyama	THOMAS HILL & ASSOC	2/26/96
3.	Thomas Macias	Thomas Hill & Assoc	2/26/96
4.	RMOOS	PSI	2/26/96 1624
5.	Michele Young	PSI	2/26/96 1625
6.			

19777A

F272-9.1531.1(R8/89) CRS

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

~~961104-03~~ 97764
961164-01/9777A

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 116
DATE RECEIVED: 2/26/96
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓
CONTAINER IN GOOD CONDITION: ✓
DATE ANALYSIS COMPLETED:
ANALYST: 418.1 analyzed Wilson Kwan

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Dana West Marina
24500 Dana Pt Harbor Dr. D.P.
DATE OF COLLECTION: 2/26/96
SAMPLE COLLECTOR/COMPANY: G. Kishiyama
Thomas Hill & Assoc.
TELEPHONE NO.: 660-1443
HCA REPRESENTATIVE: T. Strozier
667-3711

⊗ Add'l analyses based upon instruction on chain of custody (9777A)

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
B-1-7	418.1, (8010, 8020)	EPA Method 418.1 for Waste Oil	
B-2-7			
B-3-7			
SpB-1	⊗ 8010, 8020	Run 8010, 8020 if TRPH is over 100 ppm	
SpB-2	⊗ 8010, 8020	~~8240~~	

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	James Hodges	HCA Env. Health	2/26/96
2.	[signature]	THOMAS HILL + ASSOC.	2/26/96
3.	Tom Macias	Thomas Hill & Assoc.	2/26/96
4.	RNOOD	DSI	2/26/96 1624
5.	Michael Hong	DSI	2/26/96 1625
6.			

9777A

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

LABORATORY REPORT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CA 92705

		GEOTEST PROJECT NO.:	961164-01
REPORT TO:	J. STROZIER	CLIENT ID:	5DW001
COPIES TO:	GREG KISHIYAMA, THOMAS HILL & ASSOCIATES		
PROJECT NAME:	DANA WEST MARINA - WASTE OIL TANKS		
SITE LOCATION:	24500 DANA POINT HARBOR DRIVE DANA POINT, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 02/26/96 and received intact and cool on 02/26/96. An additional analysis was requested on 02/27/96. In accordance with the amended chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
418.1	2-3
8010/8020	4-5

REVIEWED AND APPROVED: RVillafania
Richard Villafania, Laboratory Manager

REPORT DATE: 3-1-96

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST: WK

GEOTEST PROJECT NO.: 961164-01

CLIENT ID: 5DW001

MATRIX: SOIL

ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

LUFT MANUAL (Modified EPA method 418.1)

		TRPH	DETECTION LIMIT
UNITS:		mg/Kg	mg/Kg
SAMPLE ID	**DATE ANALYZED**		
METHOD BLANK	02/27/96	ND	10
B-1-7	02/27/96	ND	10
B-2-7	02/27/96	ND	10
B-3-7	02/27/96	80	10
SPB-1	02/27/96	450	10
SPB-2	02/27/96	280	10
E-1-7	02/27/96	9700	10
E-2-7	02/27/96	15000	10
E-3-8	02/27/96	610	10
SPE-1	02/27/96	370	10

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST: WK

GEOTEST PROJECT NO.: 961164-01

CLIENT ID: 5DW001

MATRIX: SOIL

ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

LUFT MANUAL (Modified EPA method 418.1)

UNITS:		RECOVERY %	ACCEPTABLE RANGE %
SAMPLE ID	**DATE ANALYZED**		
LCS	02/27/96	103	70-130
MATRIX SPIKE	02/27/96	104	70-130
MATRIX SPIKE DUPLICATE	02/27/96	105	70-130
RPD		1.0	0-25

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	RG, AG	GEOTEST PROJECT NO.:	961164-01
		CLIENT ID:	5DW001
PREP. METHOD:	5030		
DATE PREPARED:	02/29/96	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	SPB-1	SPB-2	E-1-7	E-2-7	E-3-8	SPE-1	DETECTION LIMIT
UNITS:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
DATE ANALYZED:	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96	
COMPOUNDS							
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	0.010
Chloromethane	ND	ND	ND	ND	ND	ND	0.010
Vinyl chloride	ND	ND	ND	ND	ND	ND	0.010
Bromomethane	ND	ND	ND	ND	ND	ND	0.010
Chloroethane	ND	ND	ND	ND	ND	ND	0.010
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	0.010
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	0.005
Methylene chloride	ND	ND	ND	ND	ND	ND	0.020
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.005
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	0.005
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.005
Chloroform	ND	ND	ND	ND	ND	ND	0.005
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	0.005
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	0.005
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	0.005
Trichloroethene	ND	ND	ND	ND	ND	ND	0.005
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	0.005
Bromodichloromethane	ND	ND	ND	ND	ND	ND	0.005
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.005
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.005
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	0.005
Tetrachloroethene	ND	ND	ND	0.007	ND	ND	0.005
Dibromochloromethane	ND	ND	ND	ND	ND	ND	0.005
Chlorobenzene	ND	ND	ND	ND	ND	ND	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	0.005
Bromoform	ND	ND	ND	ND	ND	ND	0.005
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	0.005
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.005
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.005
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.005
Benzene	ND	ND	0.057	0.019	0.008	ND	0.005
Toluene	0.006	0.005	0.59	1.3	0.009	ND	0.005
Ethylbenzene	0.006	0.011	3.9	21	1.5	0.018	0.005
m,p - Xylenes	0.028	0.054	12	23	3.0	0.021	0.010
o - Xylene	0.029	0.037	13	20	3.2	0.011	0.005
Surrogate Recovery (%) :	101	101	98	98	101	98	
Acceptable Range (%):	70-130	70-130	70-130	70-130	70-130	70-130	

Surrogate : a,a,a-Trifluorotoluene

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	RG, AG	GEOTEST PROJECT NO.:	961164-01
		CLIENT ID:	5DW001
PREP. METHOD:	5030		
DATE PREPARED:	02/29/96	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	METHOD BLANK	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	DETECTION LIMIT
UNITS:	mg/Kg	%	%	%	%	mg/Kg
DATE ANALYZED:	02/29/96	02/29/96	02/29/96	02/29/96		
COMPOUNDS						
Dichlorodifluoromethane	ND					0.010
Chloromethane	ND					0.010
Vinyl chloride	ND					0.010
Bromomethane	ND					0.010
Chloroethane	ND					0.010
Trichlorofluoromethane	ND					0.010
1,1-Dichloroethene	ND	111	94	99	5.2	0.005
Methylene chloride	ND					0.020
trans-1,2-Dichloroethene	ND	101	113	122	8.5	0.005
1,1-Dichloroethane	ND	101	117	123	5.0	0.005
cis-1,2-Dichloroethene	ND	100	119	123	3.3	0.005
Chloroform	ND					0.005
1,1,1-Trichloroethane	ND	104	112	116	3.5	0.005
Carbon tetrachloride	ND					0.005
1,2-Dichloroethane	ND	87	112	119	6.1	0.005
Trichloroethene	ND	98	113	119	5.2	0.005
1,2-Dichloropropane	ND					0.005
Bromodichloromethane	ND					0.005
cis-1,3-Dichloropropene	ND					0.005
trans-1,3-Dichloropropene	ND					0.005
1,1,2-Trichloroethane	ND	86	113	121	6.8	0.005
Tetrachloroethene	ND	95	111	109	1.8	0.005
Dibromochloromethane	ND					0.005
Chlorobenzene	ND					0.005
1,1,1,2-Tetrachloroethane	ND					0.005
Bromoform	ND					0.005
1,1,2,2-Tetrachloroethane	ND					0.005
1,3-Dichlorobenzene	ND					0.005
1,4-Dichlorobenzene	ND					0.005
1,2-Dichlorobenzene	ND					0.005
Benzene	ND	104	99	103	4.0	0.005
Toluene	ND	102	100	104	3.9	0.005
Ethylbenzene	ND					0.005
m,p - Xylenes	ND	105	107	106	1.0	0.010
o - Xylene	ND	105	106	96	9.9	0.005
Acceptable Range (%) :		80-120	70-130	70-130	0-25	

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

~~961104-03~~ 9776A
961164-01/9777A

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 116

DATE RECEIVED: 2/26/96

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: _____

ANALYST: 418.1 analyses Wilson Kwan

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Dana West Marina
24500 Dana Pt Harbor Dr. D.P.

DATE OF COLLECTION: 2/26/96

SAMPLE COLLECTOR/COMPANY G. Kishiyama
Thomas Hall & Assoc.

TELEPHONE NO.: 660-1443

HCA REPRESENTATIVE: J. Stovin
667-3711

⊗ Add'l analyses based upon instruction on chain of custody

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
B-1-7	418.1, (8010, 8020)	EPA Method 418.1 for Waste Oil	
B-2-7			
B-3-7			
SpB-1	⊗ 8010/8020	Run 8010, 8020 if TRPH is over 100 ppm	
SpB-2	⊗ 8010/8020		
		~~8240~~	

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	James Stovin	HCA Env. Health	2/26/96
2.	[signature]	THOMAS HILL & ASSOC.	2/26/96
3.	Tom Moses	Thomas Hill & Assoc.	2/26/96
4.	RNOOD	DSI	2/26/96 1624
5.	Michael Leung	RSI	2/26/96 1625
6.			

9776A

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

~~G61164-03/9776A~~
,61164-01 /9777A

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 116

DATE RECEIVED: 2/26/96

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: _____

ANALYST: 418.1 analyses - Wilson Kwan

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: ~~Dana West Marina~~
24501 Dana Dr. D.P

DATE OF COLLECTION: 2/26/96

SAMPLE COLLECTOR/COMPANY: G. Kishiyama.
Thomas Hill & Assoc.

TELEPHONE NO.: 660-1443

HCA REPRESENTATIVE: J. Strozier
667-3711

⊗ Addl analyses based upon instruction on chain of custody.

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
E-1-7	418.1, (⊗8010, 8020)	E.P.A. Method 418.1	
E-2-7	⊗8010/8020	For Waste oil	
E-3-7	⊗8010/8020		
SPE-1	⊗8010/8020	Run 8010, 8020 if	
		TPH is over 100 ppm	
		or 8270	

X

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	HCA/Env. Health	2/26/96
2.	[signature]	THOMAS HILL & ASSOC	2/26/96
3.	[signature]	Thomas Hill & Assoc	2/26/96
4.	[signature]	PSI	2/26/96 1624
5.	[signature]	PSI	2/26/96 1625
6.			

9776A

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

FIELD ACTIVITY DESCRIPTION

Dana West Marina 24501 Dana Dr. Dana Pt.
Facility Name

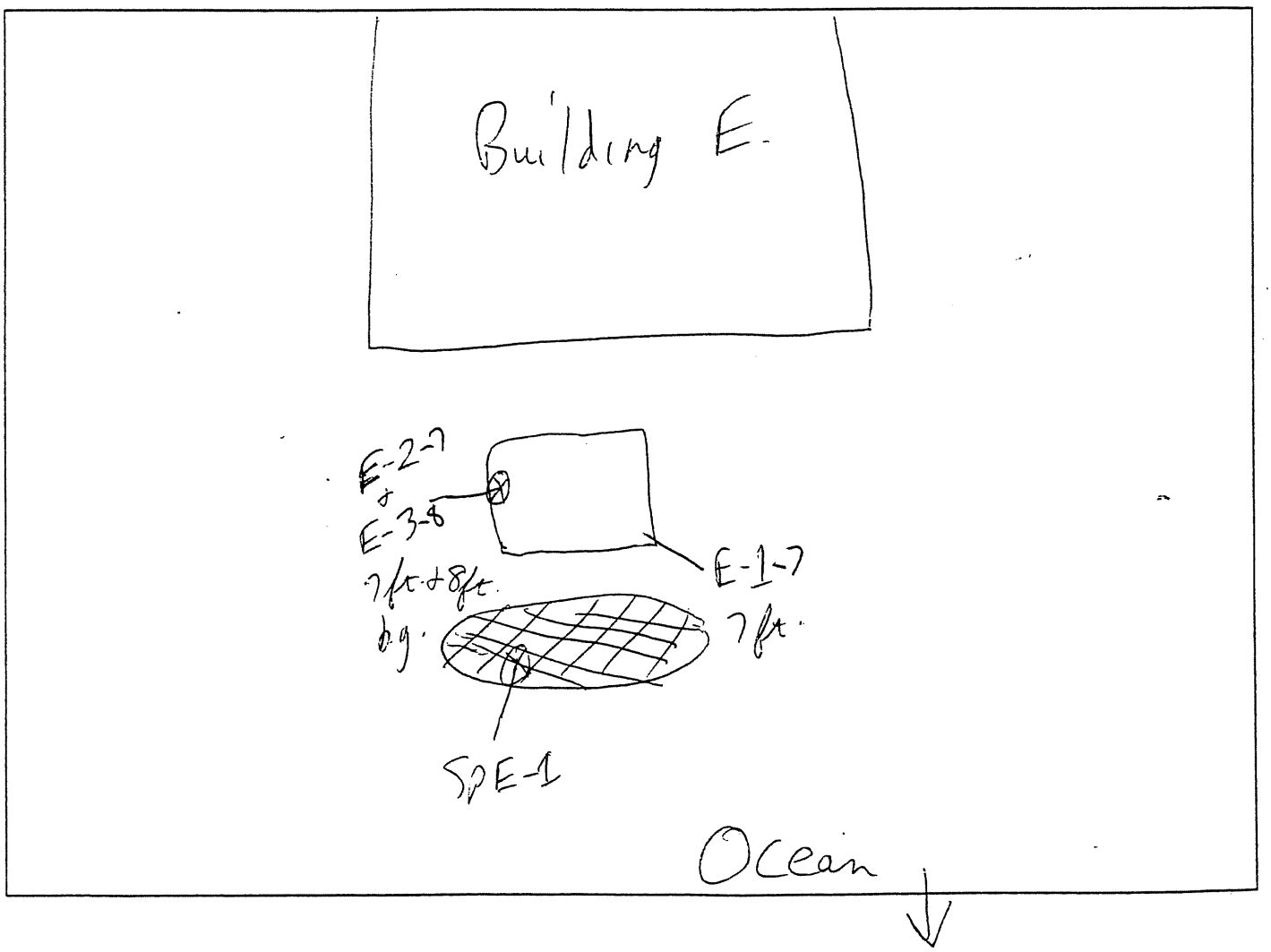
PC # 96-PK-15 TI # _____ LUST # _____ IR # _____

Inspector: J. Strozier Date: 2/26/96 Time: _____

Field Activity: The excavation appeared clean until the backhoe dug into the side wall. Then an odor of oil became apparent. The soil was dark grey to black at 7-8 ft b.g. Soil samples were taken from this layer.

This tank was illegally removed last July 95, without the Agencies presence or the Fire Dept.

E-1 Dark black Sandy soil E-3 darker grey Sand
E-2 dark grey Sandy soil all smelled strongly of oil



Orange County Health Care Agency
Environmental Health Division
Underground Tank Removal Form

Dana West Marina 24500 Dana Point Harbor Dr.
Facility Name

PC # 96 PC-15 TI # _____ LUST # _____ IR # _____

Inspector: J. Stowell Date: 2/26/96 Time: _____

Cross Street Site Telephone Number

Bob Beauchamp 24500 Dana Pt. Harbor Dr.
Owner Address

Same 493-6222
Contact Person Telephone Number

Operator *(if different than owner)* Telephone Number

Thomas Hall & Assoc. Greg Kishiyama 660-1443
Consultant or Contractor Company Contact Person Telephone Number

	Size	Const. Mat.	Mat. Stored		Size	Const. Mat.	Mat. Stored
Tank #1:	550	Steel	waste oil	Tank #4:			
Tank #2:	550	Steel	waste oil	Tank #5:			
Tank #3:				Tank #6:			

Depth to Groundwater: 8-10 ft Fate of Piping: removed

Proposition 65 Required? _____ Prop. 65 Form Submitted on: _____

Fire Dept. Personnel On-site: none

Ambient Air Readings on Field Instrument: none

Other Information: These tanks were illegally removed during July 95 without the Agency & the Fire Department being on site.

COUNTY OF ORANGE HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
2009 E. EDINGER AVENUE
SANTA ANA, CA 92705-4720
(714) 667-3760

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK FOLLOW-UP INSPECTION REPORT

FILE # 96PC-15 ACCOUNT # _____ EPA I.D.# _____

FACILITY Dana West Marina PERMIT # _____

STREET 24500 Dana Point Harbor MAP COORDINATES _____

CITY Dana Point ZIP _____ DISTRICT _____

HAZARDOUS WASTE INSPECTION TYPE _____ # OF UST ON-SITE _____ UST INSPECTION TYPE _____

NUMBER OF EMPLOYEES _____ # TANKS TO BILL _____ UST COMPLIANCE CODE _____

STATUS TYPE _____ EXEMPT TYPE _____ STATUS TYPE _____

EXEMPTION TYPE _____ # OF TANKS TO RECEIVE A SURCHARGE BILL _____

Onsite for soil sampling at the site of the former waste oil tanks. The U.S.T's were illegally removed last year without permits from this office or the Fire Dept.

Soil samples were collected as shown on the field activity report.

It appeared that there were leakages from both tank areas but we will have to wait for lab results.

ACTIVE ICRS # _____ INSPECTOR # 153 NAME J Stoyer DATE 2/26/96

I declare that I have read and received a copy of this inspection report

Print Name _____ Title _____

Signature _____ Date _____

7/20/95

FIELD ACTIVITY DESCRIPTION

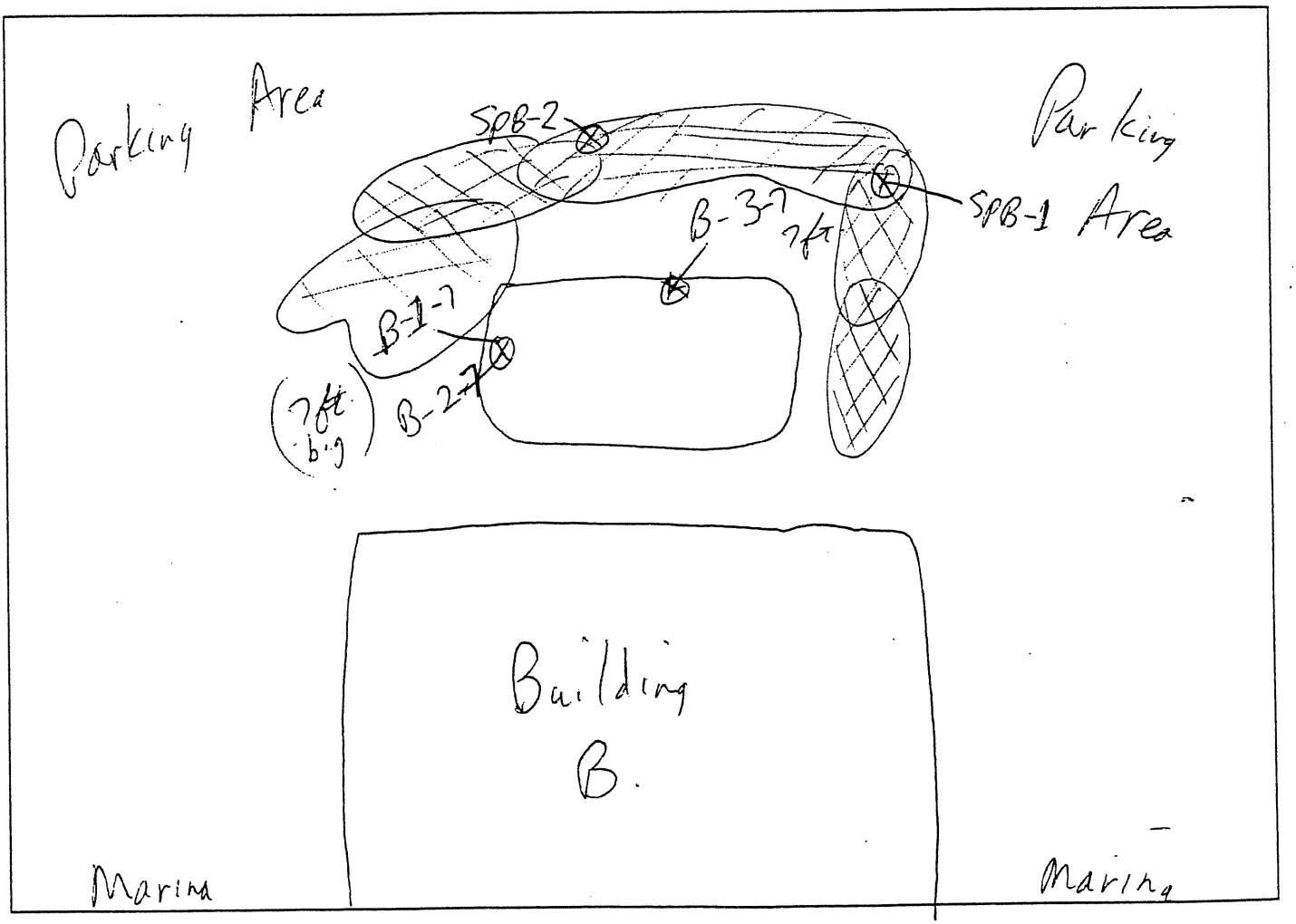
Dana West Marina 24500 Dana Pt Harbor Dr.
Facility Name

PC # 96PC-15 TI # _____ LUST # _____ IR # _____

Inspector: J. Stamer Date: 2/26/96 Time: _____

Field Activity: This tank was removed illegally last July 1995 without this Agency or the Fire Dept being present.
The soil was discolored grey and greenish/yellow at 7-8 ft b.g. Soil Samples were taken from this layer

B-1 Dark Black Clay B-3 Dark black clay
B-2 yellowish/green Sand (smelled slightly of oil)



Orange County Health Care Agency
UNDERGROUND STORAGE TANK INSPECTION REPORT

DBA: ~~Dana Wharf Marina~~ Dana

ADDRESS: ~~24500 Dana Point Harbor~~

: ~~Dana Point~~

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

!HCA TANK ID#	!CODE!	TANK # 1	!CODE!	TANK # 2	!CODE!	TANK #
!FACILITY TANK ID	!	!	!	!	!	!
!MATERIAL STORED	!	!	!	!	!	!
!Currently	!	!	!	!	!	!
!Proposed	!	!	!	!	!	!
!Previously	!	!	!	!	!	!
!Waste or Product	!	~~Diesel~~	!	~~Diesel~~	!	!
!FUEL TYPE	!	!	!	!	!	!
!Trade Secret	!	!	!	!	!	!
!EXEMPT TYPE	!	!	!	!	!	!
!	!	!	!	!	!	!
!Double/Single Wall	!	!	!	!	!	!
!Compartment No.	!	!	!	!	!	!
!Year Installed	!	!	!	!	!	!
!Vault/Not Vaulted	!	!	!	!	!	!
!Primary Wall:	!	!	!	!	!	!
!Manufacturer	!	!	!	!	!	!
!Capacity / Gallons	!	!	!	!	!	!
!Construct Material	!	550	!	550	!	!
!Thickness & Units	!	!	!	!	!	!
!Interior Lining	!	!	!	!	!	!
!Secondary Wall:	!	!	!	!	!	!
!Manufacturer	!	!	!	!	!	!
!Capacity / Gallons	!	!	!	!	!	!
!Construct Material	!	!	!	!	!	!
!Thickness & Units	!	!	!	!	!	!
!Corrosion Protectn	!	!	!	!	!	!
!Leak Detect: Type	!	!	!	!	!	!
!Manufacturer	!	!	!	!	!	!
!PIPING: Location	!	!	!	!	!	!
!Dispensr/Tank Fill	!	!	!	!	!	!
!Double/Single Wall	!	!	!	!	!	!
!Primary Wall:	!	!	!	!	!	!
!Construct Material	!	!	!	!	!	!
!Manufacturer	!	!	!	!	!	!
!Secondary Wall:	!	!	!	!	!	!
!Construct Material	!	!	!	!	!	!
!Manufacturer	!	!	!	!	!	!
!Leak Detect: Type	!	!	!	!	!	!
!Manufacturer	!	!	!	!	!	!
!TYPE OF OVERFILL	!	!	!	!	!	!
!PROTECTION	!	!	!	!	!	!
!SPILL	!	!	!	!	!	!
!CONTAINMENT	!	!	!	!	!	!
!MONITORING	!	!	!	!	!	!
!METHOD	!	35	!	!	!	!
!LAST TANK TEST	!	TANK Removed →	!	!	!	!

INSPECTION DATE: __/__/__

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

COUNTY OF ORANGE

Pueplke

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

FACILITY MODIFICATION APPLICATION (INSTALLATION/REMOVAL/REPAIR) (COMPLETE PAGES 1 & 2)

DATE: 1/26/96

FACILITY INFORMATION

NAME: Dana West Marina

STREET ADDRESS: 24500 Dana Point Harbor

CITY: Dana Point 92629

TOTAL NUMBER OF TANKS (AFTER INSTALLATION/REMOVAL) AT THIS LOCATION: 2

TYPE OF BUSINESS:
- ☐ GASOLINE STATION
- ☐ FARM
- ☐ GOVERNMENT
- ☒ OTHER

TANK OWNER *NAME (CORP., INDIVIDUAL, PUBLIC AGENCY):*

Dana West Marina

STREET ADDRESS: 24500 Dana Point Harbor

CITY: Dana Point

STATE: Ca ZIP 92629

TELEPHONE NO: 714-493-6222

BILLING ADDRESS INFORMATION

BILL TO NAME: Dana West Marina

BILL TO ADDRESS: 24500 Dana Point Harbor

CITY: Dana Point

STATE: Ca ZIP 92629

TELEPHONE NO.: 714-493-6222

TYPE OF CONSTRUCTION

INDICATE NO. OF TANK(S) BEING REMOVED/REPAIRED/INSTALLED BELOW: (COMPLETE PAGE 2 - INDICATING THE TANKS TO BE INSTALLED/REMOVED, OR AFFECTED BY THE REPAIR)

- ☐ INSTALLATION(S)
- ☐ REPAIR(S)/RELINE(S) TO USTs
- ☒ CLOSURE(S)/REMOVAL(S)
- ☐ SYSTEM MODIFICATION (E.G. REPIPE, REPAIR TO PIPING)
- ☐ OTHER (SPECIFY)_____

24 HOUR EMERGENCY CONTACT PERSON

DAYS: Bob Beauchamp 714-248-1965
NAME TELEPHONE

NIGHTS: same
NAME TELEPHONE

APPLICANT

NAME: Rick Beauchamp
PLEASE PRINT

SIGNATURE: [signature]

COMPANY NAME: DWM

TELEPHONE NO: 714-493-6222

FACILITY OPERATOR (CONTACT PERSON)

NAME: Bob Beauchamp

BUSINESS TELEPHONE NO.: 714-493-6222

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL.

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR. IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED. HSO#135757

OFFICE USE ONLY

PLAN CHECK NO.: 96-015 FEES PAID: 280 RCVD. BY: KL

PLAN APPROVAL DATE: _____ BY: _____

NUMBER OF TANKS TO RECEIVE A SURCHARGE BILL: _____ NUMBER OF TANKS TO BE ADDED TO BILLING: _____

PAID

TANK INFORMATION

PROVIDE THE INFORMATION BELOW FOR ALL TANKS AND PIPING SYSTEMS TO BE INSTALLED, REMOVED OR REPAIRED. ALSO INDICATE THE UPGRADE/CHANGES TO BE MADE TO EACH TANK SYSTEM.

TANK I.D.			#1	#2	#3	#4
MATERIAL STORED	MATERIAL OR WASTE STORED	CURRENTLY	Oil			
		PROPOSED				
		PREVIOUSLY				
	FUEL TYPE, I.E., UNLEADED					
CONTAINER	TYPE (TANK, SUMP, OTHERS)		Tank			
	DOUBLE WALL/SINGLE WALL		Single			
	UL NUMBER					
	YEAR INSTALLED		1976			
	VAULTED/NOT VAULTED		not			
	PRIMARY	MANUFACTURER				
		CAPACITY (GALLONS)				
		CONSTRUCTION MATERIAL	Cast Iron			
		THICKNESS (UNITS)	1 1/2"			
		INTERIOR LINING				
	SECONDARY	MANUFACTURER				
		CAPACITY (GALLONS)				
		CONSTRUCTION MATERIAL				
		THICKNESS (UNITS)				
	CORROSION PROTECTION					
	TYPE OF LEAK DETECTION FOR USTs (LIQUID, PROBE, ETC.)					
	MANUFACTURER OF LEAK DETECTOR					
PIPING	LOCATION (UNDER/ABOVE GROUND)					
	SUCTION/PRESSURE GRAVITY/UNKNOWN					
	PRIMARY	CONSTRUCTION MATERIAL				
		MANUFACTURER				
	SECONDARY	CONSTRUCTION MATERIAL				
		MANUFACTURER				
	TYPE OF LEAK DETECTION FOR PIPING (PRESSURE LOSS DEVICE, ETC.)					
	MANUFACTURER OF LEAK DETECTOR					
OVERFILL PROTECTION (TYPE)						
SPILL CONTAINMENT (TYPE)						

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ____ COUNTY SEAL(S) INTACT: ____

CONTAINER IN GOOD CONDITION: ____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: [illegible]

DATE OF COLLECTION: [illegible]

SAMPLE COLLECTOR/COMPANY: [illegible]

TELEPHONE NO.: [illegible]

HCA REPRESENTATIVE: [illegible]

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
S-1	418.1 (8010, 8020)	S 2' [illegible] 418.1	
S-2	"	S 5' White oil	
S-3	"	S 20' "	
GW-1	↓	GW [illegible]	
		[illegible]	
		[illegible]	
		[illegible]	

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	[illegible]	12/6/96
2.	[illegible]	[illegible]	12/6/96
3.			
4.			
5.			
6.			

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: _____

DATE OF COLLECTION: _____

SAMPLE COLLECTOR/COMPANY: _____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
B-1			
B-2			
B-3			
SOIL-1			
-2			

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			
2.			
3.			
4.			
5.			
6.			

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

ORANGE COUNTY HEALTH CARE AGENCY/ENVIRONMENTAL HEALTH DIVISION
CHECK LIST FOR TANK REMOVAL FIELD NOTES

	Yes/No/Comments/Readings
Is area secure from public access?	yes
Status of removal at time of arrival (triple rinsing/tank removed)	N/A
Fire Department personnel on-site?	N/A
Contractor on-site?	yes
Consultant on-site?	yes
Instrument readings of ambient air (perimeter, 5 ft from excavation, at excavation)	yes
Are odors present? (strong, slight, etc.)	yes
Direction of prevailing wind?	east
Condition of tank(s) (rusting/pitting/holes/corrosion, etc.)	N/A
Number of tanks being removed	N/A
Size of tank(s)	550 G.
Construction material of tank(s)	steel
Product(s) previously stored in tank(s)	waste oil
Condition of excavation (staining, etc.)	staining + odors
Is free product noted in excavation?	no
Is groundwater noted in excavation?	yes
Native soil type	clay + sand
Depth to groundwater?	8-10 ft.
Was piping removed?	yes
Location of samples (Chain of Custody completed)?	see field notes
Instrument readings of excavation area	none
Instrument readings of spoils	none
Intended re-use or means of disposal of tank(s)	Scrapped
Prop 65 notification been completed?	no
Approximate dimensions of the excavation	8x6 + 15x10
Was tank(s) triple rinsed? (manifest)	triple rinsed
Upon departure, is area or will area be secured (fencing, spoils covered)	
Proximity to residential area (on-plot sketch)	none

A Commitment To A Clean Environment

Starlite Reclamation

10773 Central Place Suite 2
Ontario, CA 91762-3906
(909) 627-8780
FAX (909) 464-1351

JUL - 8 1995

Invoice

DATE	INVOICE #
7/6/95	2222

BILL TO:

DANA WEST MARINA
24500 DANA POINT DRIVE
DANA POINT , CA 92629

P.O. NUMBER	TERMS	PROJECT
	Net 10	

QUANTITY	DESCRIPTION	RATE	AMOUNT
950	WASTE OIL REMOVAL	0.10	95.00
110	HAZARDOUS WASTE REMOVAL	1.25	137.50
	TICKET #13474		
	Sales Tax	7.75%	0.00

WE HAVE MOVED!

STARLITE RECLAMATION
ENVIRONMENTAL SERVICES
229 N. LAUREL AVE.
ONTARIO, CA 91762-3500
(909) 933-3604

7/10

6680
(28)

Serving All Your
Environmental Needs!!

TOTAL $232.50

PAST DUE INVOICES ARE SUBJECT TO A 18% PER YEAR OR 1.5% PER MONTH INTEREST RATE
IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO CORRECTLY IDENTIFY THE CHEMICAL COMPOSITION OF EACH PICKUP. IF MATERIAL IS REJECTED BY THE DISPOSAL SITE BECAUSE CHEMICAL CONTENTS HAVE BEEN INCORRECTLY

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
2009 E. Edinger Avenue, Santa Ana, CA 92705
(714) 667-3700

UST REMOVAL CHECK LIST

FACILITY NAME: Dana West Marina PLAN CHECK NO: _____

ADDRESS: _____

CONTRACTOR NAME: _____ COMPANY: _____

CONTRACTOR PHONE NUMBER: _____

CHECK ONE: ☐ TANKS & LINES REMOVED ☐ LINES ONLY REMOVED FOR REPLACEMENT
☐ TANKS REMOVED AND LINES ABANDONED

	DATE COMPLETED	INITIAL
TANK PLANS REVIEWED AND APPROVED	1/29/96	JCS
COPY OF PRIMARY CONTRACTOR AND SUBCONTRACTOR LICENSE AND HAZ. SUBSTANCE CERTIFICATION RECEIVED		
DATE OF ~~TANK REMOVAL &~~ SAMPLING	2/26/96	JCS
DATE OF ~~PIPELINE REMOVAL~~ AND SAMPLING	2/26/96	JCS
MANIFEST OF RINSEATE RECEIVED	2/26/96	JCS
TANK CERTIFICATE OF DESTRUCTION RECEIVED		
HARD COPY OF LAB RESULTS RECEIVED		
CHAIN OF CUSTODY *(WHITE COPY)* RECEIVED		
URR RECEIVED/"PROP 65" FORM/"REASON FOR NOT SUBMITTING" FORM COMPLETED *(IF APPLICABLE)*		
INSPECTION REPORT COMPLETED AND SUBMITTED TO SUPERVISOR WITH UPDATED TANK PAGE	2/29/96	JCS
MANIFEST FOR CONTAMINATED SOILS RECEIVED *(IF APPLICABLE)*		
MANIFESTS FOR UST DISPOSAL RECEIVED *(IF APPLICABLE)*		
FMA, FIELD NOTES, LAB ANALYSIS, ETC., AND A COPY OF ALL INFORMATION GIVEN TO SUPERVISOR FOR REVIEW		
FIELD NOTES, LABORATORY ANALYSIS, AND COPIES OF OTHER INFORMATION TRANSFERRED TO CLEANUP GROUP *(IF APPLICABLE)*. INDICATE N/A IF NO REFERRAL NEEDED.		

_____
INSPECTOR ON-SITE FOR REMOVAL *(PRINT NAME)*

Thomas Hill & Associates
CONSULTING ENGINEERS

TRANSMITTAL

ATTN BRENDA PUEPKE
TO OCHCA
2009 E. EDINGER AVENUE
SANTA ANA, CA 92705

DATE JANUARY 9, 1996
SUBJECT WASTE OIL TANK CLOSURE
SOIL SAMPLING
PROJECT 5DW001

WE ARE SENDING

◊ ENCLOSED	♦ REGULAR MAIL	◊ AS REQUESTED
◊ SEPARATELY	◊ EXPRESS MAIL	♦ FOR YOUR REVIEW/APPROVAL
	◊ COURIER	◊ FOR YOUR INFORMATION/FILES
	◊ INSURED/CERTIFIED	◊ FOR YOUR COMMENT/REPLY
♦ FACSIMILE	◊ UPS	◊ FOR YOUR USE
FAX NO.: 714-972-0749	◊ OTHER	◊ PLEASE RETURN

QUANTITY	DESCRIPTION
1	Transmittal cover sheet
3	Work Plan for Dana West Marina Waste Oil Tank Removals (2 originals via regular mail)
1	Site Plan
5 pg	TOTAL

REMARKS

Please review the enclosed work plan for the Dana West Marina located at 24500 Dana Point Harbor in Dana Point, California. If acceptable to you and Mr. Strozier, sign the two original copies being forwarded to you via regular mail and return one to our office. The other copy is for your record file.

If you have any questions or need clarification, please call the writer at 714-660-1443.

COPIES TO

Bob Beauchamp - Dana West Marina

SENT BY

Gregory D. Kishiyama

THA#28-2/92 rev.1

4400 CAMPUS DRIVE • SUITE B • NEWPORT BEACH, CA 92660-1813 (714) 660-1443 FAX (714) 660-0515

Thomas Hill & Associates
CONSULTING ENGINEERS

DANA WEST MARINA
WORK PLAN FOR PRELIMINARY SITE ASSESSMENT
REMOVED WASTE OIL UNDERGROUND STORAGE TANKS
24500 DANA POINT HARBOR DRIVE
DANA POINT, CALIFORNIA

DECEMBER 29, 1995
ORANGE COUNTY HEALTH CARE AGENCY

---

1. SITE DESCRIPTION

1.1. The site is an active marina which has removed two (2) waste oil underground storage tanks. Soil samples were not obtained during removal or witnessed by the Orange County Health Care Agency (OCHCA). A report of findings as well as background site information such as land use and past activities will be included as part of the Preliminary Site Assessment.

2. HYDROGEOLOGY

2.1. Geological, hydrological, and topographical information from an authoritative source will be included as part of the Preliminary Site Assessment.

3. EXCAVATION OF SOILS FOR SITE ASSESSMENT

(Refer to Site Plan enclosed)

3.1. Assessment activities will consist of excavation of soils in the area of the removed USTs and collection of soil samples to verify in situ conditions at two (2) locations: the waste oil tank location near the Dana West Marina office building on the main land, and the waste oil tank location near the satellite office building on the island (see attached Site Plan).

3.1.1. Soil removal will be performed no more than five (5) feet laterally from the assumed removed UST perimeter.

3.1.2. The excavation will not exceed ten (10) feet deep without approval from OCHCA. If ground water is encountered, excavation will terminate at the soil-water interface.

3.1.3. Excavation activities will be terminated based on visual observation of removed soil or when the excavation reaches the maximum predetermined limits. Upon

completion of excavation activities, soil samples will be obtained per the direction of the OCHCA inspector. If no direction is given by the OCHCA inspector, one soil sample will be obtained from each wall and at the bottom of the resulting excavation for laboratory analysis.

3.1.4. If laboratory data indicate that acceptable levels of the constituents under investigation are not achieved, and the excavation is at the proposed limits, work will stop and alternative assessment activities will be considered.

3.1.5. Upon completion of excavation activities, the resulting hole will be backfilled with acceptable fill material.

3.2. If groundwater is encountered during excavation activities, work will discontinue in the vertical direction. A minimum of three (3) groundwater monitoring wells shall be installed at a later date to establish groundwater gradient.

3.2.1. Groundwater monitoring wells will be 4" diameter, screened from a minimum of ten (10) feet above the water table down to twenty (20) feet into the saturated zone. Screening depths may be modified for shallow ground water situations.

3.2.2. Wells shall not extend beyond laterally extensive clay layers. In these situations, the well shall terminate 1' into the clay layer.

3.2.3. Groundwater monitoring wells will be constructed per State of California LUFT guidelines.

3.2.4. Water samples shall be obtained per State DHS guidelines after the wells have been properly developed.

3.3. All excavated soil will be stockpiled on site pending proper disposition of the material. Soil samples will be obtained as appropriate to properly profile the soil. Disposal of the stockpiles will be conducted by others under contract to Dana West Marina, Inc.

3.3.1. Stockpiled soil will be disposed of as hazardous or non-hazardous waste based upon the laboratory analyses of stockpile soil samples.

3.3.1.1. Hazardous waste will be manifested as such and transported by a DOT certified hazardous waste transporter to a State of California approved TSD facility.

3.3.1.2. Non-hazardous waste will be transported and/or disposed of per State of California approved methods.

3.4. In all cases, hazardous waste generated during excavation activities will be transported from the site less than ninety (90) days after completion of excavation activities. All

transportation and disposal documents will be included in the final submittal to the OCHCA.

4. SOIL AND GROUNDWATER SAMPLING AND LABORATORY ANALYSIS

4.1. During excavation, undisturbed soil samples shall be obtained from the backhoe bucket at each sidewall and at the bottom of the hole (or as directed by the OCHCA).

4.2. All samples will be handled per State DHS protocol. Samples will be released to a State certified laboratory and analyzed for the constituents indicated below:

4.3. All samples.

4.3.1. TRPH per EPA method 418.1

4.4. Samples which indicate TRPH greater than 100 mg/kg.

4.4.1. Volatile Organics per EPA method 8240 (or 8010 / 8020).

4.5. If groundwater samples are obtained, samples will be analyzed for TRPH and volatile organics per EPA methods 418.1 and 624, respectively.

5. SUBMITTALS

5.1. A complete report presenting the findings of the Preliminary Site Assessment will be submitted to the OCHCA.

6. GENERAL

6.1. All work will be scheduled to minimize interference with construction activities at the facility.

6.2. All necessary permits will be obtained before commencement of work.

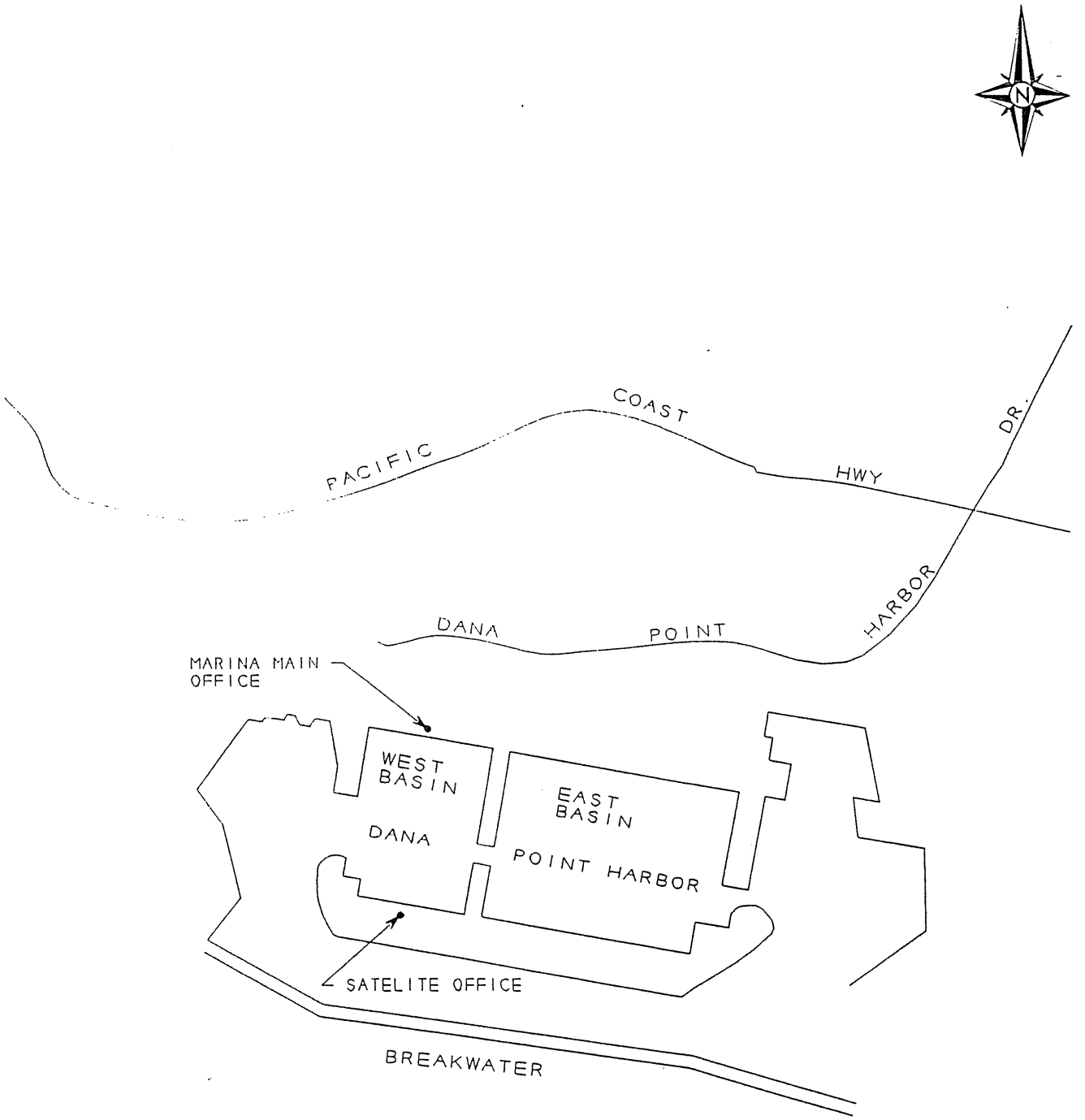
Approved by:

_____ _____

Signed Date

_____

Agency



NOTES/REVISIONS

NO.	DATE	DR.	NATURE	APP.
1	01/09/96	TMM	NOTES/REVISIONS	

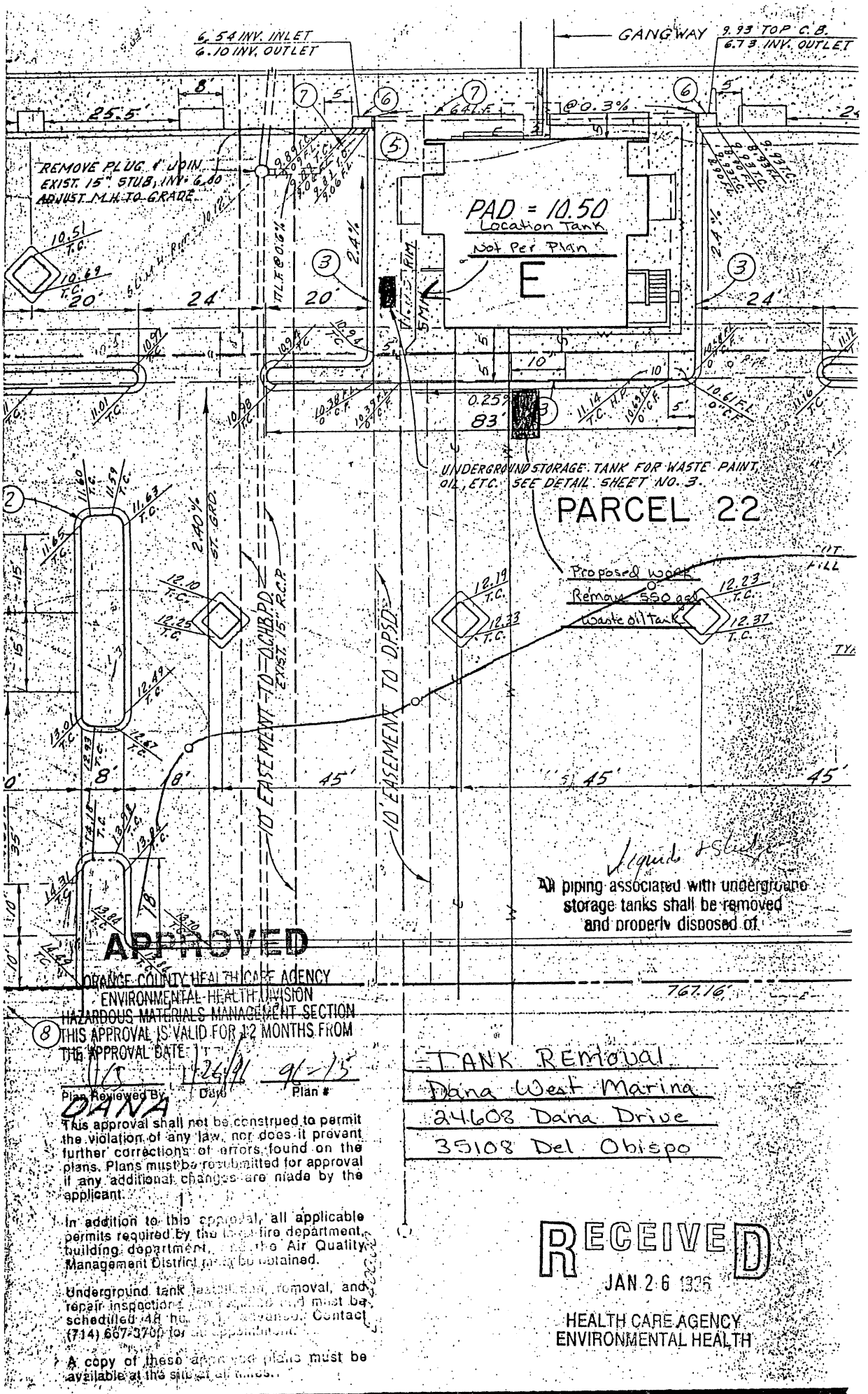
Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA

DRAWN BY: TMM
CHECKED BY: GDK
DATE: 01/09/96

SCALE: NONE
FILENAME: SDW001S1
PROJECT: SDW001

SITE PLAN

DANAWEST MARINA
24500 DANA POINT HARBOR DRIVE
DANA POINT, CALIFORNIA 92629



APPROVED
ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
THIS APPROVAL IS VALID FOR 12 MONTHS FROM THE APPROVAL DATE.

Plan Reviewed By	Date	Plan #
DANA	1-26-96	96-15

This approval shall not be construed to permit the violation of any law, nor does it prevent further corrections of errors found on the plans. Plans must be resubmitted for approval if any additional changes are made by the applicant.

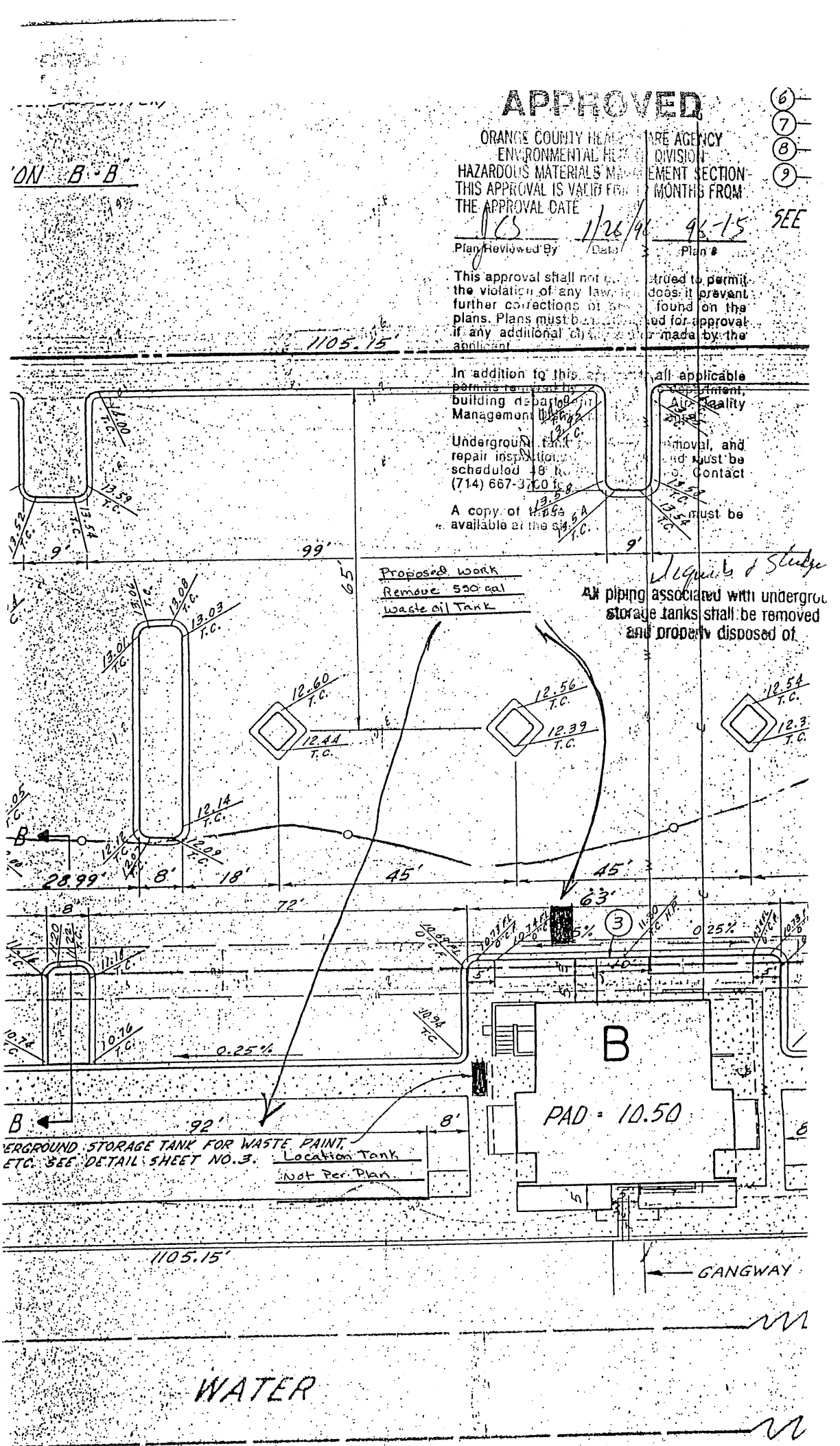
In addition to this approval, all applicable permits required by the local fire department, building department, and the Air Quality Management District must be obtained.

Underground tank installation, removal, and repair inspections must be requested and must be scheduled 48 hours in advance. Contact (714) 667-3700 for an appointment.

A copy of these approved plans must be available at the site at all times.

TANK Removal
Dana West Marina
24608 Dana Drive
35108 Del Obispo

RECEIVED
JAN 26 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH


APPROVED
ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
THIS APPROVAL IS VALID FOR 12 MONTHS FROM
THE APPROVAL DATE
Plan Reviewed By
1/26/94
Date
95-15
Plan #
This approval shall not be construed to permit the violation of any law, nor does it prevent further corrections of errors found on the plans. Plans must be resubmitted for approval if any additional changes are made by the applicant.
In addition to this approval, all applicable permits required by the building department, Air Quality Management District
Underground tank removal, and repair inspection must be scheduled 48 hrs. Contact (714) 667-3760 for
A copy of these must be available at the site.
SEE
ON B-B
1105.15'
99'
65'
9'
Proposed work
Remove 550 gal
waste oil Tank
All piping associated with underground storage tanks shall be removed and properly disposed of
28.99'
8'
18'
45'
45'
72'
63'
92'
8'
B
PAD = 10.50
0.25%
0.25%
UNDERGROUND STORAGE TANK FOR WASTE PAINT, ETC. SEE DETAIL SHEET NO. 3.
Location Tank Not Per Plan
1105.15'
GANGWAY
WATER

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Dana West Marine

Address: 24501 Dana Dr.

City: Dana Pt. State: Ca. Zip:

Contact Person(s): Phone:

Date	Staff	Activities/Comments
10/1/96	JCS	Thomas Hill & Associates - Reviewed the file. Discussed the case at length with S. Daugherty & K. Hodel and they would further discuss the merits of installation of a well or possible closure of the case without installing a well and get back to me.
10/7/96	JCS.	Received the Sept-30, 1996 FAX & attached Sept 23, workplan for installation of a well. Called & discussed the possible closure of the site without installing the well. I would get back to him to let him know what the decision is on this.
10/11/96	JCS.	Discussed case with S. Daugherty, K Hodel, & B. Debarros, Separately, and all basically agreed that the well is not needed and a closure summary should be prepared. I will prepare this Summary after I get back from vacation.
10/21/96	JCS	Reviewed file & prepared closure summary. Submitted closure to Supervisor for review.
10/25/96	JCS.	Received approved closure from K Hodel. Updated SSR and prepared closure letter & sent for typing

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Dana West Marina

Address: 24501 Dana Dr.

City: Dana Pt. State: Ca. Zip: _____

Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
1/1/96	JS	around the perimeter that were not sampled previously. The borings were completed to 7 1/2 ft and a sample was collected. Took photos of the excavation area. Several of the samples had faint odors and the others had no odor.
1/15/96	JS	Reviewed & organized photos taken on 2/26/96, 3/19/96 & 3/20/96.
6/5/96	JS	Prepared Case Survey update form.
8/16/96	JS	Reviewed file & we have not gotten any update on the case or a report on the excavation. Prepared Quarterly Report letter & sent for mailing
9/19/96	JS	Reviewed file & we have not gotten a response to my Aug 19, 1996 letter. Called G. Kishpaugh & l/m. Called Bob Beachamp & browsed the letter & he said that G. Kishpaugh was supposed to take care of this & he would call him to check on this, etc. G. Kishpaugh called & said that a report would be sent next week, etc
10/1/96	JS	Reviewed the September 23, 1996 letter & the Sept 23, 1996 UST Waste Oil / TANK Closure Report prepared by

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Dana West Planning

Address: 24501 Dana Dr. Dana Pt

City: Dana Pt State: _____ Zip: _____

Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
3/19/96	JS	Visited site for verification sampling. (See field work)
3/20/96	JS	Visited site again for verification sampling. The backhoe did not show up today. Instead G. Kishiyama conducted several hand auger borings to check for contamination under the building & side walk area. Soil Samples were collected for analysis
3/28/96	JS	Reviewed original March 14, 1996 letter/workplan for Thomas Hill & Assoc. Discarded faxed copy. Called G. Kishiyama and discussed case & he said that they are going to continue the excavation & will be done by Monday. Set up a 2:00 sampling appointment for 4/1/96
		Reviewed lab results from sampling on 3/19/96. Only one sample was above 1000 ppm. The others were N.D.
4/1/96	JS	Visited the site for sampling. The excavation had been enlarged and then backfilled. G. Kishiyama was conducting 4-5 hand auger borings

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Dana West Marina

Address: 24501 Dana Drive

City: Dana Pt. State: _____ Zip: _____

Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
3/5/96	JLS	Received lab results from Geo Test. The site at 24500 Dana Pt. Harbor has soil results below 1000ppm & no significant BTEX or chlorinated. However, the site at 24500 Dana Drive has high contamination in the soil. Logged the case in, Prepare NOR & Contam. letter & sent for typing. Prepared priority form, SSR, etc & organized file. Called Bob Beecham & l.m. Called Greg Kishiyama of Thomas Hill & Assoc. and l.m.
3/6/96	JLS	Greg Kishiyama called back & we discussed the case and the need for assessment and/or Cleanup at the Dana Drive site, etc. etc. Proofed & corrected NOR and Contam letters & sent for mailing
3/18/96	JLS	Received fax letter dated March 14, 1996 and Workplan for Interim Remedial Action from Thomas Hill & Assoc. Discussed with supervisor & he did not see any need for the Public Participation Process. Called G. Kishiyama & discussed plan & set up appt for 2:00 on 3/19/96

REV: 09/21/90 Page 1 of 1 Form #33

PRIORITIZATION WORKSHEET FOR LUFT SITES

Check The Following Boxes Which Apply
Where Needed, Provide Further Explanation On Back

Case I.D.#: 96UT11 ☒ Initial

Name: Dana West Marina ☐ Reevaluation

Address: 24501 Dana Dr. Dana Pt

PRIORITY 1 - HIGH PRIORITY SITES

A. Current drinking water source - impacted or likely to be impacted through future migration.

- ☐ 1. Currently used municipal or domestic well impacted, i.e., drinking water wells where MCLs are exceeded.
- ☐ 2. Currently used municipal or domestic well threatened, (e.g. release site (GW) within 2000 feet of currently used well and/or possible vertical conduit exists to deep zone - that is used as drinking water source for the threatened well).
- ☐ 3. Currently used identified "Sole Source Aquifer" is impacted.
- ☐ 4. Other currently used municipal or domestic aquifer is impacted.
- ☐ 5. Currently used aquifer threatened by future migration (i.e. lateral pollutant transport or vertical movement through conduits).

B. Known health/safety/environmental impacts requiring prompt action.

- ☐ 1. Vapors at explosive levels in confined spaces, i.e., sewers or basements.
- ☐ 2. Vapors detected above human health safe levels at or near human receptors.
- ☐ 3. Free product in soil or groundwater.
- ☐ 4. Surface water/aquatic environment impacted (surface sheen or habitat covered).
- ☐ 5. Soil quality levels exceed human health safe levels and exposure likely, given existing site conditions.

C. Administrative need exists.

- ☐ 1. 2004 Funding available through "letter of commitment".
- ☐ 2. Enforcement action follow-up is necessary.
- ☐ 3. Closure request received by the responsible agency.
- ☐ 4. Public, Responsible Party or Political concerns require expeditious efforts.

PRIORITY 2 - MODERATE PRIORITY SITES

A. Water resource other than currently used drinking water is or may be impacted.

- ☐ 1. Existing beneficial use (other than municipal supply) is impacted.
- ☐ 2. Potential Source of Drinking Water (defined by SWRCB Policy 88-63) significantly impacted with high probability of future use.
- ☐ 3. Existing beneficial use threatened (requires mitigation study).
- ☒ 4. Soil contamination currently exists, requiring additional investigation of groundwater and/or soil to review threat and reprioritize at sites with designated beneficial uses.

B. Other health/safety/environment impacts are unknown, require additional investigation (groundwater/surface water), and/or health and ecological risk assessment.

- ☐ 1. Potential vapors at explosive levels in confined space.
- ☐ 2. Potential vapors above human health safe levels with receptors.
- ☐ 3. Potential free product at a site.
- ☐ 4. Potential for migration to aquatic habitats or surface waters.
- ☐ 5. Potential human exposure to soil above safe level.

PRIORITY 3 - LOW PRIORITY SITES

A. Minor or no potential water resource impacts exist.

- ☐ 1. No designated beneficial uses of water impacted.
- ☐ 2. Potential source of drinking water (defined by SWRCB Policy 88-63) with limited or minor impacts.
- ☐ 3. Potential source of drinking water (defined by SWRCB Policy 88-63) impacted where low probability of future use is determined.

B. Low potential health/safety/environmental impact exists after investigation and, if necessary, a Health or Ecological Risk Assessment has been completed and accepted.

- ☐ 1. Soil only cases with residual contaminated soil left in place.
- ☐ 2. Soil only cases where full cleanup achieved.

Specialist: _____ Date: 3/5/98

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RE: 34512 EMBARCADERO PL.
DANA POINT, CA

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 24th day of April, 2003.

Sue Warnke, ART
Custodian of Records
Health Care Agency

CERT: 100599

REPORT OF FINDINGS

QUARTERLY GROUNDWATER MONITORING

FOR JULY 1999

TWO FORMER UST LOCATIONS

PROPERTY LOCATION:

EMBARCADERO MARINA

34512 EMBARCADERO PLACE

DANA POINT HARBOR

REGULATORY IDENTIFICATION:

ORANGE COUNTY HEALTH CARE AGENCY

CASE NO. 97UT1

JULY 1999

KENDALL/ADAMS GROUP, INC.

San Gabriel Valley Office

Kendall/Adams Group Inc.
GeoEnvironmental Consultants

South Orange County Office

Preliminary Site Assessments • Phase II-RI/FS • Hazardous Waste Remediation • Groundwater Resources

July 23, 1999

Mr. James Strozier
Orange County Health Care Agency
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

SC99002

Subject: Embarcadero Marina, 34512 Embarcadero Place, Dana Point, California
OCHCA Case No. 97UT1

Dear Mr. Strozier:

On behalf of Embarcadero Marina, two copies of the attached Report of Findings are submitted, documenting the second round of sampling of two groundwater monitoring wells installed in the area of recently closed USTs at the subject facility.

If you have any questions regarding this submittal, please call me directly at (949) 361-6660.

Very truly yours,
Kendall/Adams Group, Inc.

Charles C. Kendall
Principal Hydrogeologist
Calif. CEG No. 1024

cc: Embarcadero Marina

143 Avenida Granada • San Clemente, CA 92672 • (949) 361-6660 FAX (949) 361-2058

REPORT OF FINDINGS
QUARTERLY GROUNDWATER MONITORING
FOR JULY 1999
AT THE LOCATION OF TWO FORMER USTS

Property Location:

EMBARCADERO MARINA
34512 EMBARCADERO PLACE
DANA POINT, COUNTY OF ORANGE, CALIFORNIA

1.0 INTRODUCTION

This report presents field findings and laboratory analytical test data attendant to the collection and analyses of water quality samples from two groundwater monitoring wells at Embarcadero Marina. The two wells were installed in April 1999 at the approximate locations shown on **Figure 1 - Site Plan**, where three gasoline USTs and one waste oil UST were removed from the site.

2.0 BACKGROUND INFORMATION

There are two former UST locations shown on **Figure 1**. The first consisted of two (2) 7,500 gallon tanks and one (1) 3,000 gallon tank, with a retail dispenser island. Those tanks contained gasoline and a mixture of gasoline and motor oil. The second location is adjacent to the facility offices and consisted of one (1) 250 gallon waste oil tank. All four tanks plus the dispenser island and related piping were removed under permit, on or about October 21, 1998.

At both former UST locations, the closure excavations exposed groundwater at 7 to 8 feet below ground surface, i.e. slightly below to slightly above the bottom of the tanks. Further, the collection and analyses of post-closure soil samples proximate to and/or within the capillary fringe indicated a significant presence of MTBE had impacted the shallow groundwater. Accordingly, groundwater monitoring wells were installed at both UST locations to assess local water quality.

The results from the initial round of groundwater monitoring revealed a presence of dissolved gasoline (primarily MTBE) in the shallow groundwater, prompting Orange County Health Care Agency to direct that both wells be placed on a quarterly monitoring program (see **Appendix A - Regulatory Correspondence**). This report summarizes the work performed to comply with that directive.

3.0 WATER QUALITY SAMPLING

Due to slow recharge conditions, both monitoring wells were purged during the afternoon of July 8, 1999 and then allowed to recover overnight. Approximately 10 gallons of water (5 well volumes)

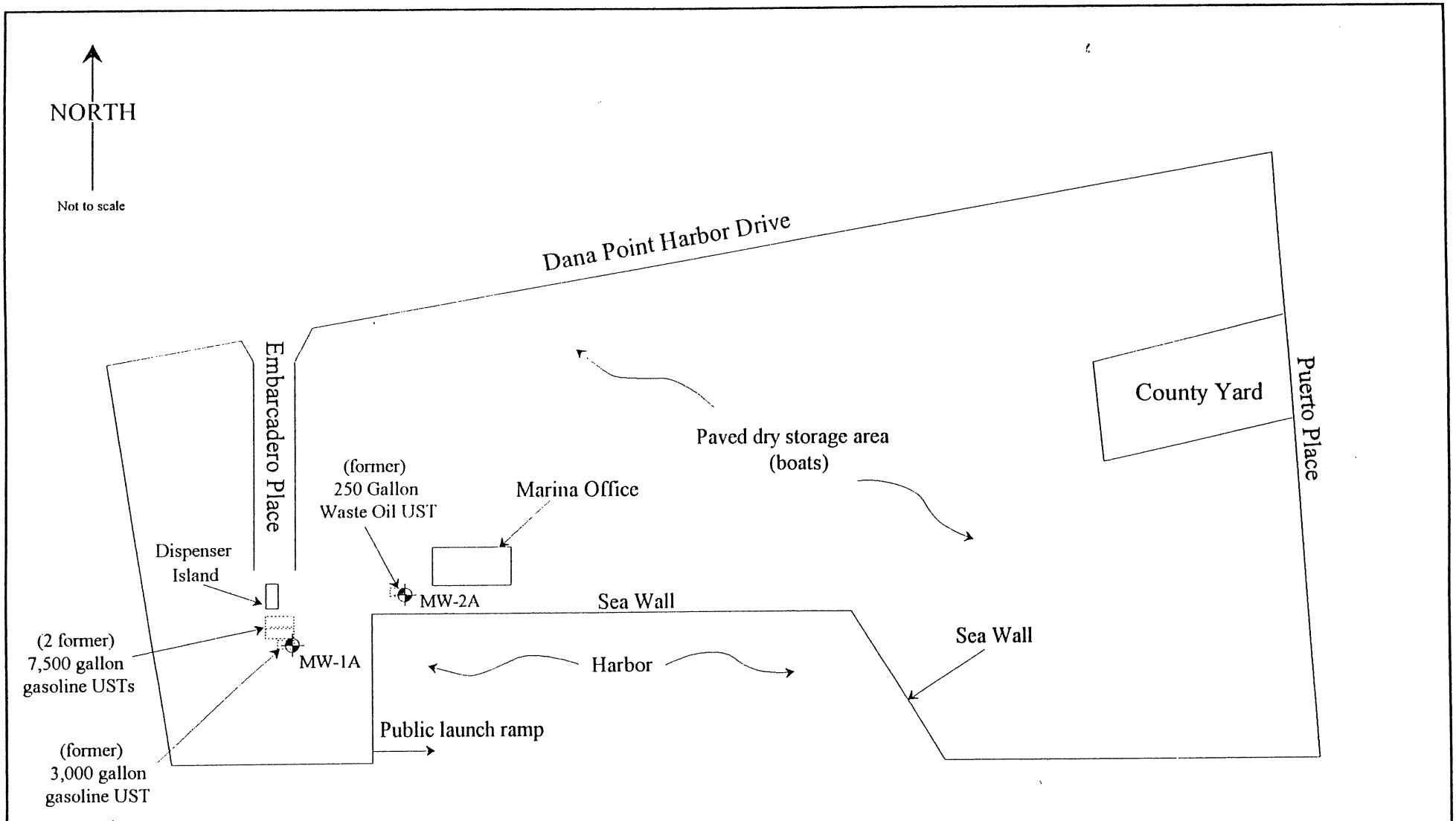


Figure 1 - Site Plan

KENDALL/ADAMS GROUP, INC.	Embarcadero Marina 34512 Embarcadero Place
San Dimas San Clemente	SC99002 Dana Point, CA July 1999

were removed from the wells using a PVC bailer, with the extracted water stored in 55 gallon drums. On July 9, static water level measurements were recorded in the two wells, followed by the collection of water quality samples using disposable PVC bailers assigned to each well.

The collected samples were immediately stored in an ice chest chilled with blue ice, and transported on a same day basis to Sierra Laboratories with chain-of-custody documentation. Field records, documenting monitoring activities during sampling are provided in **Appendix B** to this report.

The collected samples were analyzed for EPA Method 8015M Total Volatile Hydrocarbons and EPA Method 8020 compounds (including MTBE). Those results, along with a summary of prior findings are outlined in **Table 1 - Analytical Test Findings, Water Quality Samples, Well MW-1A** and **Table 2 - Analytical Test Findings, Water Quality Samples, Well MW-2A**.

Table 1
Analytical Test Findings
Water Quality Samples
Well MW-1A
(results in ug/L)

Date	TPH-Gas	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
April 22, 1999	290	1.6	3.2	2.5	17	9,900
July 9, 1999	ND	ND	ND	ND	ND	7,000

ND: None detected at the detection limits shown in **Appendix C**.

Table 2
Analytical Test Findings
Water Quality Samples
Well MW-2A
(results in ug/L)

Date	TPH-Gas	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
April 22, 1999	ND	ND	ND	ND	ND	7.9
July 9, 1999	ND	0.54	ND	ND	ND	15

ND: None detected at the detection limits shown in **Appendix C**.

A complete copy of the laboratory analytical test report for the current round of monitoring is provided in **Appendix C**, along with chain-of-custody documentation.

As shown in **Table 1**, there remains a significant dissolved presence of MTBE in the shallow groundwater underlying the former gasoline USTs. However, all other gasoline components were "none detected", and the current concentration of MTBE has declined approximately 30 percent from the previous analyses conducted in April.

There is little change in the Well MW-2A test findings since the previous monitoring period. Benzene and MTBE were the two constituents detected; however, both are at very low concentrations.

4.0 CLOSURE

The next required round of quarterly groundwater monitoring will be scheduled in October 1999 and the Orange County Health Care Agency will be notified at least five days ahead of field work.

APPENDIX A

REGULATORY CORRESPONDENCE

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

DONALD R. OXLEY
DIRECTOR

HILDY MEYERS, M.D.
INTERIM HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

May 17, 1999

Brian Dunn
Dana Point Marina Corporation
P. O. Box 249
Dana Point, CA 92629

Subject: Groundwater Monitoring

Re: Embarcadero Marina
34512 Embarcadero Place
Dana Point, CA
O.C.H.C.A. Case #97UT1

Dear Mr. Dunn:

This Agency has reviewed the April 1999; Report Of Findings prepared by the Kendall/Adams Group, Inc. High concentrations of MTBE were detected in MW-1A and low concentrations of MTBE were detected in MW-2A.

Both monitoring wells must be placed on a quarterly monitoring program to determine the significance of the release at the site. Based upon the results of the monitoring, the case will be evaluated for further assessment, remediation, and/or closure.

If you have any questions, please call me at (714) 667-3711.

Sincerely,

James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health

cc: Charles Kendall, Kendall/Adams Group, Inc.

JS/97-1/monitor

APPENDIX B

FIELD RECORDS

FIELD PARAMETERS
WATER QUALITY SAMPLING

PROJECT: Embarcadero Marina JOB NO: SC99002

Well I.D. No: MW-1A	Sampling Date: July 9, 1999
Total Well Depth: 20 feet	Sample I.D. No: MW-1A
Well Casing: 2-inch PVC	Personnel: C. Kendall, D. Kendall
WATER LEVEL DATA Time: 0808 hours	SAMPLING DATA Time: 0835 hours
Depth To Water: 6.25 feet	Method: Disposable PVC bailer
Reference: Top of casing	
Reference Elev: N/A	Monitoring Equipment: RST water level indicator,
Water Level Elev: N/A	HYDAC pH/EC/Temperature meter, Lamotte
WELL PURGING	turbidity meter
Time: 1300 to 1500 hours (7/8/99)	ANALYTICAL LABORATORY
Purge Method: PVC bailer	Shipped Via: D. Kendall
Well Casing Volume: 2.2 gallons	Lab: Sierra Laboratories
Volume Purged: 10 gallons	

FIELD ANALYSES

Real Time	0835					
Gallons Purged	0					
Turbidity-NTU's	4.72					
Temp-Fahrenheit	74.8					
pH	6.87					
Conductivity (micromhos/cm)	8,600					

NOTES: Due to low recharge conditions, well was bailed out during the afternoon of July 8 and allowed to recover overnight. Collected sample was clear and odorless.

FIELD PARAMETERS
WATER QUALITY SAMPLING

PROJECT: Embarcadero Marina JOB NO: SC99002

Well I.D. No: MW-2A	Sampling Date: July 9, 1999
Total Well Depth: 20 feet	Sample I.D. No: MW-2A
Well Casing: 2-inch PVC	Personnel: C. Kendall, D. Kendall
WATER LEVEL DATA Time: 0805 hours	SAMPLING DATA Time: 0818 hours
Depth To Water: 7.83 feet	Method: Disposable PVC bailer
Reference: Top of casing	
Reference Elev: N/A	Monitoring Equipment: RST water level indicator,
Water Level Elev: N/A	HYDAC pH/EC/Temperature meter, Lamotte
WELL PURGING Time: 1300 to 1500 hours (7/8/99)	turbidity meter ANALYTICAL LABORATORY
Purge Method: PVC bailer	Shipped Via: D. Kendall
Well Casing Volume: 1.9 gallons	Lab: Sierra Laboratories
Volume Purged: 10 gallons	

FIELD ANALYSES

Real Time	0818					
Gallons Purged	0					
Turbidity-NTU's	9.13					
Temp-Fahrenheit	74.5					
pH	6.72					
Conductivity (micromhos/cm)	13,100					

NOTES: Due to low recharge conditions, well was bailed out during the afternoon of July 8 and allowed to recover overnight. Collected sample was clear and odorless.

San Gabriel Valley Office

Kendall/Adams Group Inc.
GeoEnvironmental Consultants

South Orange County Office

Preliminary Site Assessments • Phase II-RI/FS • Hazardous Waste Remediation • Groundwater Resources

Mr. James Strozier
Orange County Health Care Agency
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

July 2, 1999

Subject: Two Former UST Locations at Embarcadero Marina,
34512 Embarcadero Place, Dana Point, California
OCHCA Case No. 97UT1

Dear Mr. Strozier:

This is to advise you that the next required round of quarterly groundwater monitoring is scheduled for Friday, July 9, 1999. The two wells will be bailed dry late Thursday afternoon and allowed to recover overnight. Sampling will begin on Friday at approximately 0800 hours. Please feel free to join us if you would like to observe any portion of these field activities.

Should you have any questions regarding this phase of work, call me directly at (949) 361-6660.

Very truly yours,
Kendall/Adams Group, Inc.

Charles C. Kendall
Principal Hydrogeologist
Calif. CEG No. 1024

cc: Brian Dunn
Embarcadero Marina

143 Avenida Granada • San Clemente, CA 92672 • (949) 361-6660 FAX (949) 361-2058

APPENDIX C

LABORATORY ANALYTICAL TEST DATA

WATER SAMPLES

SIERRA
ANALYTICAL

Date: 7/19/99

Kendall Adams Group, Inc.
143 Avenida Granada
San Clemente, CA 92672
Attention: Mr. Chuck Kendall

Client Project Number:	SC99002 / Embarcadero Marina
Date Sampled:	7/9/99
Date Samples Received:	7/9/99
Sierra Project No.:	9907-170

Attached are the results of the chemo-physical analysis of the sample(s) from the project identified above.

The samples were received by Sierra Laboratories, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analysis were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require additional retaining time, please advise us.

Richard K. Forsyth
Laboratory Director

Reviewed

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of theclient to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

26052 Merit Circle Suite 105, Laguna Hills, California 92653
Telephone: (949) 348-9389 Fax: (949) 348-9115
E-Mail: sierralabs@earthlink.net

Kendall/Adams Group, Inc.		**Date Sampled:**	7/9/99
143 Avenida Granada		**Date Received:**	7/9/99
San Clemente, CA 92672		**Date Prepared:**	7/13/99
		Date Analyzed:	7/13/99
Sierra Project No.:	9907-170	**Analyst:**	SM
Client Project ID:	SC99002 / Embarcadero Marina		
Sample Matrix:	Water	**Report Date:**	7/14/99

EPA METHOD 8020-BTEX/
EPA METHOD 8015 MODIFIED-GASOLINE RANGE HYDROCARBONS (C4-C12)
(PURGE AND TRAP)

	Concentration, ug/L				
Client Sample No.:	MW-1A	MW-2A			**Method Detection Limit, ug/L**
Sierra Sample No.:	691	692			
COMPOUNDS:					
Benzene	ND	0.54			0.5
Toluene	ND	ND			0.5
Ethylbenzene	ND	ND			0.5
Total Xylenes	ND	ND			0.5
MTBE	7000*	15			5.0
Gasoline	ND	ND			50
Dilution Factor	1 . 50*	1			**QC Limits**
% Surrogate Recovery: 4-Bromofluorobenzene	105	105			70-125

Quality Assurance/Quality Control Data

QC Sample ID: 9907-222-918

Compounds	**LCS % Rec.**	**QC Limits**	**Spike % Rec.**	**Spike Dup % Rec.**	**QC Limits**	**RPD**	**QC Limits**
Benzene	98	80-120	91	93	39-150	2.2	0-30
Toluene	98	80-120	91	93	46-148	1.9	0-30
Ethylbenzene	100	80-120	93	95	32-160	1.6	0-30
Gasoline	87	80-120	94	88	50-150	6.0	0-30

ND means Not Detected

Reporting Limit (RL) = Method Detection Limit (MDL) x Dilution Factor

SIERRA ANALYTICAL
TEL: 949•348•9389
FAX: 949•348•9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 7/9/99 Page 1 of 1

Lab Project No.: 9907-170

Client: KENDALL/ADAMS GROUP, INC.
Client Address: 143 AVENIDA GRANADA
SAN CLEMENTE, CA 92672
Client Tel. No.: (949) 361-6660
Client Fax No.: (949) 361-2058
Client Proj. Mgr.: C. KENDALL

Client Proj. Number/Proj. Name:
SC99002
EMBARCADERO MARINA

Turn Around Time Requested:
- [ ] Immediate Attention
- [ ] Rush 24-48 hours
- [ ] Rush 72-96 hours
- [X] Normal
- [ ] Mobile

Analyses Requested

Client Sample No.	Sierra Sample No.	7/9/99 Date/Time	Matrix	Preservatives	Container Type	No. of Containers	8015M Gasoline	8020 + MTBE	Comments
MW-1A	691	0835	WATER	NO	40 ML	2	X	X	
MW-2A	692	0818	WATER	NO	40 ML	2	X	X	

Sampler Signature:
Printed Name: CHARLES KENDALL

Shipped Via: Delivered
(Carrier Waybill No.)

4 Total Number of Containers Submitted to Laboratory

Sample Disposal:
- [ ] Return to Client
- [X] Lab Disposal *
- [ ] Archive mos.
- [ ] Other

Relinquished By:	Date:	Received By:	Date:
Company: KAG, INC.	Time: 0845	Company: KAG, INC.	Time: 0845
Relinquished By:	Date: 7/9/99	Received By:	Date: 7/9/99
Company: KAG, INC	Time: 0936	Company: Sierra Analytical	Time: 9:30am
Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:

4 Total Number of Containers Received by Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Special Instructions:

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
- [X] Intact
- [X] Chilled - Temp (°C)
- [ ] Sample Seals
- [ ] Preservatives - Verified By
- [X] Properly Labeled
- [ ] Other
- [X] Appropriate Sample Container
- [ ] Storage Location R39

Rev. 08/27/96

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

COUNTY OF ORANGE
HEALTH CARE AGENCY

FINANCIAL AND ADMINISTRATIVE SERVICES
CUSTODIAN OF RECORDS

JULIETTE POULSON, RN, MN
DIRECTOR

ALICE L. MANNING
INTERIM DEPUTY AGENCY DIRECTOR
FINANCIAL & ADMINISTRATIVE SERVICES

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3536
FAX: (714) 835-9312

RE: 25005 DANA POINT HARBOR DR.
DANA POINT, CA

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 24th day of April, 2003.

Sue Wannke, ART
Custodian of Records
Health Care Agency

CERT: 100599

COUNTY OF ORANGE

TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, R. S. MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

December 9, 1992

Charles Lus
County of Orange
1143 E. Fruit St.
Santa Ana, CA 92701

Subject: Remedial Action At Dana Point Harbor Patrol, 25005 Dana Drive, Dana Point, CA 92629 - O.C.H.C.A. Case #90UT199

Dear Mr. Lus:

This letter confirms the completion of site investigation and remedial action at the above site. With the provision that the information provided to this Agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this Agency of any changes in report content, future contamination findings, or site usage.

If you have any questions regarding this matter, please contact James Strozier at (714) 667-3711.

Very truly yours,

Jack Miller, REHS
Program Manager
Hazardous Materials Mitigation Section
Environmental Health Division

JM:JCS:cjr

cc: Sandy L. Malos, State Water Resources Control Board
Corey Walsh, San Diego Regional Water Quality Control Board
Orange County Fire Department
Larry Honeybourne, Environmental Health, Water Quality Section

Case ID# 90UT199 Date 11/18/92

Case Summary and Closure Ratio[illegible]e

D.B.A.: Dana Point Harbor Patrol R.P.: County of Orange

Address: 25005 Dana Drive

Current Land Use: Public Area/Harbor Peninsula Adjacent Land Use: Harbor & Parks

Future Land Use: Same

Site Information (Type of Business, Materials Used, etc.): 280 gallon steel diesel tank

Contaminant	Highest Conc. Soil (ppm) Initial	Final	Highest Conc. Groundwater (ppb) Initial	Final	
1. TPH	12,400	6,480	N.D.	N.D.	
2. Benzene	.13	N.D.	N.D.	N.D.	
3. Toluene	1.10	.40	.9 *	N.D.	* method blank also contained .9 ug/kg Toluene
4. Xylene	5.6	1.67	N.D.	N.D.	
5. Ethylbenzene	1.43	.12	N.D.	N.D.	
6.					

Depth of Highest N/A Conc. Remaining: (ft) (ppm)

Deepest Depth of N/A Remaining: (ft) (ppm)

Depth to Groundwater: 11 Ft. (estimated X measured)

Soil Types: SILT, CLAY, SAND (ARTIFICAL FILL)

Forebay Pressure Intrusion Tidal X Hills Near OCWD recharge

Case Summary (Cleanup Efforts and Closure Rationale):

The 280 gallon tank was removed during May of 1990. Soil contamination was discovered during the tank removal. An attempt to excavate the soil contamination was made, but the contamination could not be removed since it would involved removing 2 palm trees, removing footings holding up a walkway slope, and possibly excavating under a building. The excavated soil (approximately 10 cubic yards) was disposed of at U.S. Ecology in Nevada. Verification samples taken in the excavation indicated a maximum TPH concentration of 6,480 ppm and N.D. for Benzene. .40, .12, and 1.67 ppm of Toluene, Ethylbenzene, and Xylene, respectively were found in the verification samples.

Continued On Page 2

Specialist: James C. Stiger 12/8/92

OK STD 12-4-92

CARDINAL

ENVIRONMENTAL CONSULTANTS
250 El Camino Real, Suite 214 Tustin, CA 92680 (714) 730-5288 FAX 730-6476

DANA POINT HARBOR PATROL
25005 DANA DRIVE
DANA POINT, CALIFORNIA

SITE ASSESSMENT REPORT
SOIL AND GROUNDWATER INVESTIGATION

APRIL 24, 1992

PREPARED FOR:

ORANGE COUNTY GENERAL SERVICES AGENCY
FACILITIES OPERATIONS DIVISION
1143 E FRUIT STREET
SANTA ANA, CALIFORNIA 92701

ATTENTION: CHARLES D. LUS

AND

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
2009 E EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705

ATTENTION: JIM STROZIER

GSA PROJECT #: 0270-140-600
CARDINAL PROJECT #: 4005-DANAPT

TABLE OF CONTENTS

1.0 SUMMARY

2.0 INTRODUCTION

3.0 BACKGROUND

4.0 SUBSURFACE INVESTIGATION - APRIL, 1992
- 4.1 Soil Investigation
- 4.2 Groundwater Investigation

5.0 DISCUSSION

6.0 REFERENCES

FIGURES

Figure 1 - Site Location Map

Figure 2 - Plot Plan

APPENDICES

Appendix I - Boring Logs

Appendix II - Laboratory Analysis Reports

Appendix III - Chain-of-Custody Documentation

Appendix IV - Soil Sampling Procedures

Appendix V - Well Construction Procedures

Appendix VI - Groundwater Sampling Procedures

DANA POINT HARBOR PATROL
25005 DANA DRIVE
DANA POINT, CALIFORNIA

1.0 SUMMARY

On April 8, 1992 four 30-foot soil borings were drilled at the Site to investigate the extent of diesel contaminated soil in the vicinity of a former 550-gallon diesel UST. No soil contamination was found. The soil boring drilled through the approximate center of the former UST excavation was converted into a groundwater monitoring well, and a water sample was collected from this well on April 16, 1992. A trace of toluene (0.9 µg/L) was found in the groundwater sample: the State Action Level for toluene in drinking water is 100 µg/L.

2.0 INTRODUCTION

The following report documents a subsurface soil and groundwater investigation at Dana Point Harbor Patrol (the Site), 25005 Dana Drive, Dana Point, California (see Figure 1 - Site Location Map). Cardinal Environmental Consultants Inc. (Cardinal) performed this investigation according to the specifications provided by the Orange County General Services Agency (GSA Job#: 0270-140-600). The Orange County Health Care Agency (HCA) required that this work be performed to further investigate the extent of diesel contaminated soil at the Site, and to determine if groundwater has been affected. The source of diesel contamination was a leaking underground storage tank (UST).

3.0 BACKGROUND

3.1 UST Removal

On May 16, 1990 one 550-gallon UST was removed from the Site by Tait Environmental Management of Orange, California. The UST had previously been used to supply diesel fuel to an emergency electrical generator located inside the northeast corner of the Harbor Patrol Building. One soil sample collected beneath the UST's invert at seven feet below-ground-surface (bgs) was found to contain 12,400 mg/kg diesel hydrocarbons, and 0.14 mg/kg benzene.[1]

3.2 Remote Fill-Line Removal

On July 10, 1990 Tait Environmental removed a 80-foot x 2-inch pipe which extended south from the former UST to a remote-fill location. No significant soil contamination was found.[2]

3.3 Hand Augering and Soil Sampling

In August and September, 1990 Tait Environmental hand-augered ten borings in the vicinity of the removed UST and product-transfer line; the product-transfer line was approximately 10 feet long and was located between the UST and the emergency electrical generator. Bedrock inclusions reportedly prevented collection of samples from seven of the ten borings. Groundwater was encountered at 13 feet bgs in two borings. A total of six soil samples were collected from three borings.[3] The analytical results are summarized in the following table.

Soil Sampling Results: Hand-Augered Borings[3]
Tait Environmental Management, Inc.
August and September, 1990
mg/kg (parts-per-million)

Boring	Location	TPH	BTEX
S-2	approx. 2 ft S of UST @ 12 ft bgs	ND	ND
S-2	approx. 2 ft S of UST @ 15 ft bgs	ND	ND
S-5	approx. 5 ft SW of UST @ 9 ft bgs	ND	ND
S-5	approx. 5 ft SW of UST @ 13 ft bgs	ND	ND
S-7	approx. 5 ft W of UST @ 1.5 ft bgs -- vicinity of product-transfer line	3,340	ND
S-7	approx. 5 ft W of UST @ 2.5 ft bgs -- vicinity of product line	ND	ND

Notes
1. TPH = Total Petroleum Hydrocarbons as determined by EPA Method 8015 modified for diesel.
2. B = benzene, T = toluene, E = ethylbenzene, X = total xylenes as determined by EPA Method 8020.
3. Results reported in mg/kg (ppm).
4. ND = none detected.

3.4 Over-excavation

In April, 1991 Tait Environmental attempted to over-excavate in the vicinity of the former UST and product-transfer line to remove all contaminated soil from this area[4]. Unfortunately, Tait Environmental was not able to provide scale drawings or thorough documentation of this work[5]. As a result, the exact sizes and locations of the excavations and the exact sampling locations are not known.

The following description of over-excavation activities was derived from a hand-drawn sketch provided to Cardinal by Tait Environmental[6]. From this sketch it appears that two excavations were dug: one in the vicinity of the removed UST, and one in the vicinity of the removed product-transfer line.

The UST over-excavation was roughly 8' x 6' x 13' deep. It was bounded on the north by a retaining wall and on the west by a concrete walkway; the southern and eastern bounds are not clear. Soil samples were collected from each sidewall at the completion of excavation; the analytical results are summarized in the following table.[4]

Soil Analysis Results[4]
Over-Excavation in Vicinity of Removed UST
Tait Environmental Management, Inc.
April, 1991
mg/kg (parts-per-million)

Location	TPH	B	T	E	X
S wall "low"	13	ND	ND	ND	ND
E wall "low"	6,480	ND	0.37	0.12	1.67
W wall "low"	1,392	ND	ND	ND	ND
N wall "low"	4,920	ND	0.40	0.11	1.22

Notes
1. TPH = Total Petroleum Hydrocarbons as determined by EPA Method 8015 modified for diesel.
2. B = benzene, T = toluene, E = ethylbenzene, X = total xylenes as determined by EPA Method 8020.
3. Results reported in mg/kg (ppm).
4. ND = none detected.

The product-transfer line over-excavation was roughly 8' x 6' x 3' deep, and was situated between the Harbor Patrol building and the UST excavation. One soil sample was collected from the center of this excavation, and one was collected from the south-east corner. The analytical results are summarized in the following table.

Soil Analysis Results[4]
Over-Excavation in Vicinity of Removed Product Line
Tait Environmental Management, Inc.
April, 1991
mg/kg (parts-per-million)

Location	TPH	B	T	E	X
Center of excavation	16	ND	ND	ND	ND
SE corner of excavation	153	ND	ND	ND	ND

Notes
1. TPH = Total Petroleum Hydrocarbons as determined by EPA Method 8015 modified for diesel.
2. B = benzene, T = toluene, E = ethylbenzene, X = total xylenes as determined by EPA Method 8020.
3. Results reported in mg/kg (ppm).
4. ND = none detected.

4.0 SUBSURFACE INVESTIGATION - APRIL, 1992

4.1 Soil Investigation

On April 8, 1992 four 30-foot deep soil borings were drilled at the Site using an F10 Failing drilling rig. Boring #1 (B1) was drilled through the approximate center of the former UST excavation to investigate the vertical extent of soil contamination. Borings B2, B3, and B4 were each drilled roughly 10 feet away from B1 such that they formed a triangle surrounding the former UST excavation; these were drilled to define the maximum lateral extent of soil contamination. B3's position in the vicinity of the former product-transfer line also served to investigate contamination which may have emanated directly from the product-transfer line (see Figure 2 - Plot Plan, and Appendix I - Boring Logs). Soil samples were collected at five-foot intervals in each of the borings. The details of soil sampling procedures are summarized in Appendix IV.

As required in the GSA specifications for this work, two soil samples were selected from each boring and submitted for laboratory analysis. In addition, the sample collected at 25 feet below-ground-surface (bgs) from B1 was submitted for analysis due to a suspicious odor detected in the field. Each sample was analyzed for total petroleum hydrocarbons (TPH) by EPA Method 8015 modified for diesel; and for benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Method 8020. The laboratory analysis results are summarized in the following tables.

Table 1
B1 Soil Sampling Results
April 8, 1992

Sample ID	Depth	TPH	BTEX
B1-10	10 ft	ND	ND
B1-20	20 ft	ND	ND
B1-25	25 ft	ND	ND

Table 2
B2 Soil Sampling Results
April 8, 1992

Sample ID	Depth	TPH	BTEX
B2-10	10 ft	ND	ND
B2-20	20 ft	ND	ND

Table 3
B3 Soil Sampling Results
April 8, 1992

Sample ID	Depth	TPH	BTEX
B3-10	10 ft	ND	ND
B3-20	20 ft	ND	ND

Table 4
B4 Soil Sampling Results
April 8, 1992

Sample ID	Depth	TPH	BTEX
B4-10	10 ft	ND	ND
B4-20	20 ft	ND	ND

Notes
1. TPH = Total Petroleum Hydrocarbons as determined by EPA Method 8015 modified for diesel.
2. B = benzene, T = toluene, E = ethylbenzene, X = total xylenes as determined by EPA Method 8020.
3. ND = none detected.

4.2 Groundwater Investigation

At the completion of soil sampling B1 was converted into a 4-inch diameter groundwater monitoring well (MW1). MW1 was constructed with 0.020-inch slot width casing from 30 to 10 feet bgs, blank casing from 10 feet to the surface, and filter-packed with #3 Monterey sand. On April 16, 1992 a groundwater sample was collected from MW1 to determine if groundwater had been affected by the former leaking UST. The sample and a representative blank were submitted for laboratory analysis by EPA Method 8015 modified for diesel (TPH); and by EPA Method 602 for BTEX. The details of well construction and groundwater sampling are summarized in Appendices V and VI, respectively. The laboratory analysis results are summarized in the following table.

Table 5
MW1 Groundwater Sampling Results
April 16, 1992
µg/L (parts-per-billion)

Sample ID	TPH	B	T	E	X
MW1	ND	ND	0.9	ND	ND
blank	-	ND	0.9	ND	ND

Notes
1. TPH = Total Petroleum Hydrocarbons as determined by EPA Method 8015 modified for diesel.
2. B = benzene, T = toluene, E = ethylbenzene, X = total xylenes as determined by EPA Method 602.
3. Results reported in µg/L (parts-per-billion)
4. ND = none detected.
5. Both the sample and the "blank" were re-analyzed on April 23, 1992; the 0.9 µg/L result for the sample was confirmed, but the blank was found to be "ND" for toluene. It is not clear why the original analysis revealed a trace of toluene in the blank.

5.0 DISCUSSION

No diesel contaminated soil was found in any of the four borings drilled at the Site. However, the over-excavation which was performed prior to this investigation revealed that some diesel contaminated soil still exists at the Site (see Section 3.4 above). In our opinion, any remaining diesel contaminated soil is likely very limited in extent. Furthermore, no benzene, and less than 2 mg/kg toluene, ethylbenzene, and xylenes were found in all of the samples collected at the Site in this and previous investigations.

The trace of toluene (0.9 ~~mg/kg~~ µg/kg) found in the groundwater sample is well below State Action Level of 100 µg/L for toluene in drinking water. We assume that the standard for toluene in sea water is less stringent than the standard for toluene in drinking water.

CARDINAL ENVIRONMENTAL CONSULTANTS INC.
A California Corporation
By:

Paul Humphreys
Project Manager

F. Edward Reynolds Jr.
F. Edward Reynolds, JR.
California RCE #38677

REGISTERED PROFESSIONAL ENGINEER
F. EDWARD REYNOLDS, JR.
4-28-92
38677
March 31, 1993
CIVIL
STATE OF CALIFORNIA

6.0 REFERENCES

[1] "Letter Report of Findings, Preliminary Subsurface Soil Investigation and Underground Storage Tank Removal, Dana Point Harbor Patrol...," May 31, 1990, Tait Environmental Management, Inc.

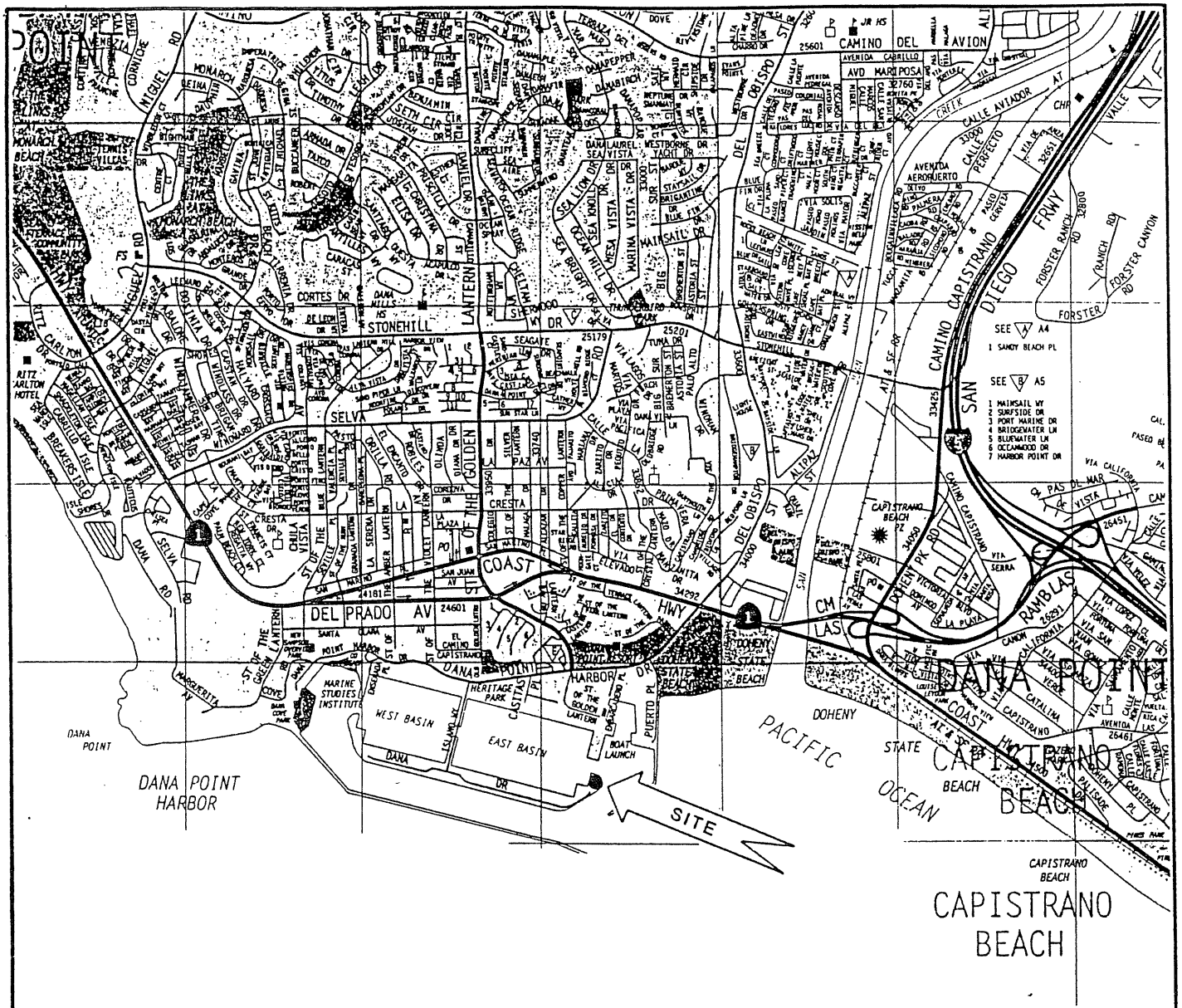
[2] "Secondary Fill Pipe Removal, Dana Point Harbor Patrol...," August 31, 1990, Tait Environmental Management, Inc.

[3] "Report of Findings, Subsurface Investigation for Petroleum Hydrocarbon, Dana Point Harbor Patrol...," October 15, 1990, Tait Environmental Management, Inc.

[4] "Report of laboratory results of soil samples from excavations for removal of diesel tank and pipelines, Dana Point Harbor Patrol...," June 3, 1991, Tait Environmental Management, Inc.

[5] Telephone conversation with Gary Beckerman of Tait Environmental Management, Inc., April 1, 1992.

[6] Facsimile transmission of excavation sketches from Gary Beckerman of Tait Environmental Management, Inc. to Cardinal Environmental Consultants Inc., April 1, 1992.


DANA POINT HARBOR
PACIFIC OCEAN
DOHENY STATE BEACH
CAPISTRANO BEACH
SITE
WEST BASIN
EAST BASIN
HARBOR
DANA POINT
CAMINO DEL AVION
AVENIDA MARIPOSA
CAMINO CAPISTRANO
DEL OBISPO
COAST HWY
DEL PRADO AV
STONEHILL
SELVA
CRESTA
SEAGATE
SEA BRIGHT DR
MARINA VISTA
MAINSAIL DR
SEA KNOLL DR
OCEAN HILL DR
OCEAN RIDGE
SEA VISTA
DANA LAUREL
WESTBORNE YACHT DR
LANTERN
GOLDEN LANTERN
ST OF THE GOLDEN LANTERN
ST OF THE BLUE LANTERN
ST OF THE VIOLET LANTERN
ST OF THE TERRACE LANTERN
ST OF THE YELLOW LANTERN
ST OF THE GREEN LANTERN
DANA POINT HARBOR DR
PUERTO PL
CASTAWAY PL
HERITAGE PARK
MARINE STUDIES INSTITUTE
BOAT LAUNCH
ISLAND WY
DANA DR
CAMINO CAPISTRANO
FORSTER RANCH RD
FORSTER CANYON RD
FORSTER
SAN DIEGO FRWY
AVENIDA AEROPUERTO
CALLE AVIADOR
CALLE PERFECTO
PASEO CERVEZA
VIA SOLITO
VIA CALIFORNIA
PASEO DE MAR
CAPISTRANO BEACH PK
DOHENY PK RD
VIA SERRA
RAMBLAS
CANON
CATALINA
CAPISTRANO
VIA LOPEZ
VIA FORTUNA
VIA SAN GORGONIO
VIA VERA
VIA VISTA
VIA VICTORIA
VIA HERMOSA
VIA HITO
VIA HUERTA
VIA LATIGO
VIA LA PLAZA
AVENIDA LAS
AVENIDA PRESA
AVENIDA CABRILLO
CALLE LA PATA
CALLE DE LOS FLORES
CALLE DE LOS AMIGOS
CALLE DE LOS PINOS
CALLE DE LOS CAMPOS
CALLE DE LOS ARBOLES
CALLE DE LOS NARANJOS
CALLE DE LOS ROSALES
CALLE DE LOS VIENTOS
CALLE DE LOS SUEÑOS
CALLE DE LOS SOLES
CALLE DE LOS LAGOS
CALLE DE LOS MONTES
CALLE DE LOS VALLES
CALLE DE LOS RIOS
CALLE DE LOS PUEBLOS
CALLE DE LOS CIELOS
CALLE DE LOS MARES
CALLE DE LOS ESTRELLAS
CALLE DE LOS SOLES
CALLE DE LOS LUNAS
CALLE DE LOS SOLES
CALLE DE LOS LUNAS
CALLE DE LOS SOLES
CALLE DE LOS LUN

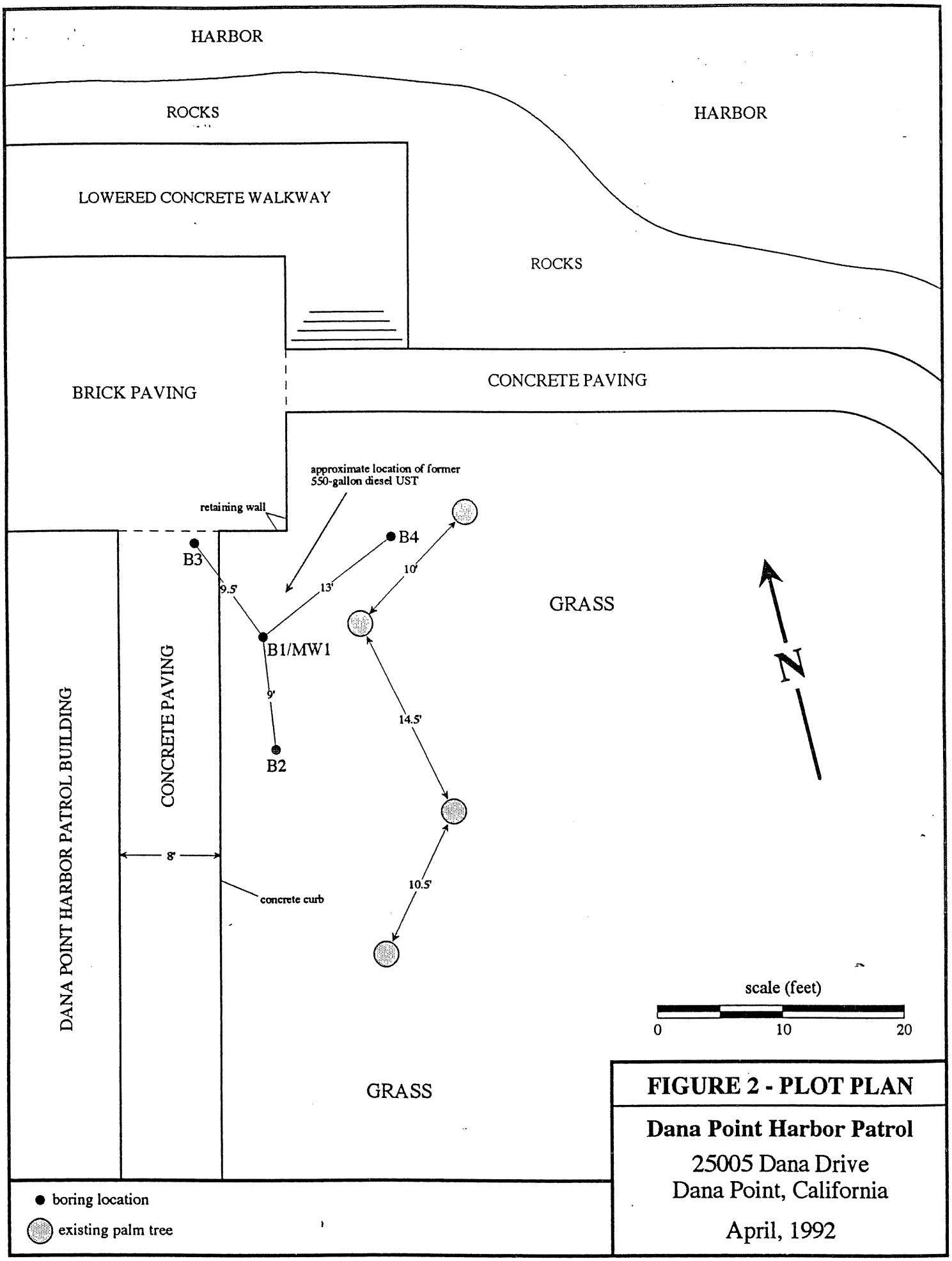


FIGURE 2 - PLOT PLAN

Dana Point Harbor Patrol

25005 Dana Drive
Dana Point, California

April, 1992

Appendix I

Boring Logs

BORING LOG

Project Name: Dana Point Harbor Patrol	Project #: 4005-DANAPT	Boring #: **B1/MW1**
Location: 25005 Dana Drive Dana Point, California		Page: 1 of 1

Field Log By:	Paul Humphreys	Elevation at Top of Casing:	ND	Start	Finish
Log Reviewed By:	F. E. Reynolds, Jr.	Drilling Depth to First Water:	18 ft	Time: 11:05	Time: 16:00
Drilling Contractor:	Beylik Drilling	Total Depth of Boring:	31 ft	Date: 04/08/92	Date: 04/08/92

Drilling Equipment: Failing F10 Rig equipped with 7 5/8-inch and 10-inch OD hollow-stem augers

Sampling Equipment: California split-spoon sampler (2-inch ID) with stainless-steel sampling sleeves

Depth (feet)	Headspace (mg/kg)	Well Construction Detail	Blow Counts	Sample Type	Sample ID	Graphic Log	USCS Symbol	Description	Remarks
0							PT	grass	
1									
2								very loose fill material	
3									
4			2						
5			2		B1-5			no recovery	
6			1						
7									
8									
9			5						
10	0.0		7		B1-10		SP	dark grey, fine SAND	no odor
11			11						
12									
13									
14			5						
15	0.0		4		B1-15		ML	dark grey, sandy SILT	no odor, moist
16			5						
17									
18								groundwater encountered @ 18 ft bgs	
19			2						
20	0.0		3		B1-20		ML	dark grey and orange, sandy SILT	no odor, wet
21			6						
22									
23									
24			6						
25	0.0		10		B1-25		SW	light grey, fine to medium SAND	possible diesel odor, saturated
26			40						
27									
28									
29			3						
30	0.0		7		B1-30		SW	very light grey, fine to medium SAND	no odor, saturated
31			75						

BORING LOG

Project Name: Dana Point Harbor Patrol	Project #: 4005-DANAPT	Boring #: **B2**
Location: 25005 Dana Drive Dana Point, California		Page: 1 of 1

Field Log By: Paul Humphreys	Elevation at Top of Casing: ND	Start	Finish
Log Reviewed By: F. E. Reynolds, Jr.	Drilling Depth to First Water: 17 ft	Time: 15:05	Time: 16:15
Drilling Contractor: Beylik Drilling	Total Depth of Boring: 30 ft	Date: 04/08/92	Date: 04/08/92

Drilling Equipment: Failing F10 rig equipped with 7 5/8-inch OD hollow-stem augers

Sampling Equipment: California split-spoon sampler (2-inch ID) with stainless-steel sampling sleeves

Depth (feet)	Headspace (mg/kg)	Well Construction Detail	Blow Counts	Sample Type	Sample ID	Graphic Log	USCS Symbol	Description	Remarks
0							PT	grass	
5	0.0		11, 13, 20		B2-5		CL	grey CLAY with light grey silt	no odor
10	0.0		5, 12, 17		B2-10		ML	grey SILT with black and orange organics	no odor
15	0.0		2, 3, 4		B2-15		ML	brownish-grey SILT with orange organics	no odor
								groundwater encountered @ 17 ft bgs	
20	0.0		3, 5, 8		B2-20		ML	dark grey, sandy SILT with orange organics	no odor, moist
25	0.0		10, 31, 46		B2-25		SW	light grey, fine to medium SAND	no odor, saturated
30	0.0		20, 75		B2-30		SW	very light grey and orange, fine to medium SAND	no odor, saturated

BORING LOG

Project Name: Dana Point Harbor Patrol	Project #: 4005-DANAPT	Boring #: **B3**
Location: 25005 Dana Drive Dana Point, California		Page: 1 of 1

Field Log By:	Paul Humphreys	Elevation at Top of Casing:	ND	Start	Finish
Log Reviewed By:	F. E. Reynolds, Jr.	Drilling Depth to First Water:	17 ft	Time: 15:05	Time: 16:15
Drilling Contractor:	Beylik Drilling	Total Depth of Boring:	30 ft	Date: 04/08/92	Date: 04/08/92

Drilling Equipment: Failing F10 rig equipped with 7 5/8-inch OD hollow-stem augers

Sampling Equipment: California split-spoon sampler (2-inch ID) with stainless-steel sampling sleeves

Depth (feet)	Headspace (mg/kg)	Well Construction Detail	Blow Counts	Sample Type	Sample ID	Graphic Log	USCS Symbol	Description	Remarks
0								concrete	
1									
2							GP	pea gravel	
3									
4			3						
5	0.0		6		B3-5		ML	grey SILT with gravel	no odor
6			14						
7									
8									
9			13						
10	0.0		8		B3-10		SM	grey, silty SAND	no odor
11			17						
12									
13									
14			2						
15	0.0		2		B3-15		ML	grey and orange, sandy SILT	no odor, wet
16			5						
17									
18								groundwater encountered @ 18 ft bgs	
19			3						
20	0.0		5		B3-20		ML	grey SILT with sand, gravel, and black organic matter	no odor, moist
21			5						
22									
23									
24			6						
25	0.0		7		B3-25		SW	light grey, fine to medium SAND	no odor, saturated
26			17						
27									
28									
29			3						
30			5		B3-30			no recovery	
31			15						

BORING LOG

Project Name: Dana Point Harbor Patrol	Project #: 4005-DANAPT	Boring #: **B4**
Location: 25005 Dana Drive Dana Point, California		Page: 1 of 1

Field Log By: Paul Humphreys	Elevation at Top of Casing: ND	Start	Finish
Log Reviewed By: F. E. Reynolds, Jr.	Drilling Depth to First Water: 19 ft	Time: 17:10	Time: 18:15
Drilling Contractor: Beylik Drilling	Total Depth of Boring: 30 ft	Date: 04/08/92	Date: 04/08/92

Drilling Equipment: Failing F10 rig equipped with 7 5/8-inch OD hollow-stem augers

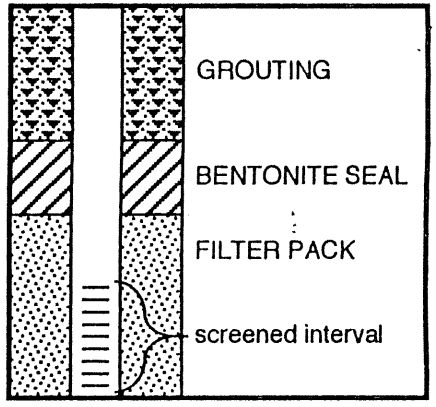
Sampling Equipment: California split-spoon sampler (2-inch ID) with stainless-steel sampling sleeves

Depth (feet)	Headspace (mg/kg)	Well Construction Detail	Blow Counts	Sample Type	Sample ID	Graphic Log	USCS Symbol	Description	Remarks
0							PT	grass	
5	0.0		8 20 32		B4-5		ML	brownish-grey, sandy SILT with rocks	no odor
10	0.0		3 19 10		B4-10		ML	brownish-grey, sandy SILT with gravel	no odor
15	0.0		3 3 4		B4-15		ML	dark grey SILT with gravel	no odor
								groundwater encountered @ 19 ft bgs	
20	0.0		3 8 15		B4-20		ML	very dark grey SILT with rocks	no odor
25	0.0		30 50 -		B4-25		SW	grey, fine to medium SAND with orange organics	no odor, wet
30	0.0		21 34 35		B4-30		SW	orangish-grey, fine to medium SAND	no odor, saturated

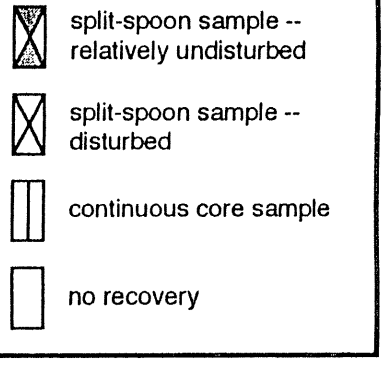
UNIFIED SOIL CLASSIFICATION SYSTEM (USCS) (ASTM D2487-85)

MAJOR DIVISIONS			GROUP SYMBOL	GRAPHIC SYMBOL	GROUP SYMBOL
COARSE-GRAINED SOILS more than 50% retained on no. 200 sieve	GRAVELS 50% or more of coarse fraction retained on no. 4 sieve	CLEAN GRAVELS	GW		poorly sorted GRAVEL poorly sorted GRAVEL with sand
			GP		well sorted GRAVEL well sorted GRAVEL with sand
		GRAVELS WITH FINES	GM		silty GRAVEL silty GRAVEL with sand
			GC		clayey GRAVEL clayey GRAVEL with sand
	SANDS more than 50% of coarse fraction passes no. 4 sieve	CLEAN SANDS	SW		poorly sorted SAND poorly sorted SAND with gravel
			SP		well sorted SAND well sorted SAND with gravel
		SANDS WITH FINES	SM		silty SAND silty SAND with gravel
			SC		clayey SAND clayey SAND with gravel
FINE-GRAINED SOILS 50% or more passes no. 200 sieve	SILTS AND CLAYS liquid limit 50% or less		ML		SILT -- SILT with sand or gravel sandy SILT -- sandy SILT with gravel gravely SILT -- gravely SILT with sand
			CL		lean CLAY -- lean CLAY with sand or gravel sandy lean CLAY -- sandy lean CLAY with gravel gravely lean CLAY -- gravely lean CLAY with sand
			OL		organic SILTS or organic CLAYS of low plasticity
	SILTS AND CLAYS liquid limit greater than 50%		MH		elastic SILT -- elastic SILT with sand or gravel sandy elastic SILT -- sandy elastic SILT with gravel gravely elastic SILT -- gravely elastic SILT with sand
			CH		fat CLAY -- fat CLAY with sand or gravel sandy fat CLAY -- sandy fat CLAY with gravel gravely fat CLAY -- gravely fat CLAY with sand
			OH		organic CLAYS or organic SILTS of medium to high plasticity
HIGHLY ORGANIC SOILS			PT		PEAT, MUCK and other highly organic soils

WELL CONSTRUCTION LEGEND



SAMPLE TYPE LEGEND



DENSITY OF SOIL

DENSITY	SPT blows/foot
very loose	0 - 4
loose	5 - 10
medium density	11 - 30
dense	31 - 50
very dense	over 50

Appendix II

Laboratory Analysis Reports

Precision Laboratories
ENVIRONMENTAL • GEOSYNTHETIC TESTING

REPORT TO:
Attn: Mr. Paul Humphreys
THE REYNOLDS GROUP
250 El Camino Real, #214
Tustin, CA 92680

PROJECT NAME:
DANA POINT
HARBOR PATROL
Date Received:
April 9, 1992

PRECISION JOB NO
E920155

Date Reported:
April 13, 1992

SAMPLE DESCRIPTION
Soil

TEST RESULTS

Date Collected:
April 8, 1992

Date Extracted:
April 10, 1992

Date Analyzed:
April 13, 1992

TEST METHODS	ANALYTES	LAB ID	SAMPLE ID	RESULTS	DETECTION LIMITS	UNITS OF MEASURE
m 8015	Diesel	3253	**B1-10**	**ND**	10	mg/Kg
m 8015	Diesel	3255	**B1-20**	**ND**	10	mg/Kg
m 8015	Diesel	3256	**B1-25**	**ND**	10	mg/Kg
m 8015	Diesel	3260	**B2-10**	**ND**	10	mg/Kg
m 8015	Diesel	3262	**B2-20**	**ND**	10	mg/Kg
m 8015	Diesel	3266	**B3-10**	**ND**	10	mg/Kg
m 8015	Diesel	3268	**B3-20**	**ND**	10	mg/Kg
m 8015	Diesel	3271	**B4-10**	**ND**	10	mg/Kg
m 8015	Diesel	3273	**B4-20**	**ND**	10	mg/Kg

Clifton J. Kiser
Quality Assurance

April 13, 1992
Date

645 North Main St., Orange, CA 92668 • (714) 744-4599 FAX (714) 744-0357

Precision Laboratories
ENVIRONMENTAL • GEOSYNTHETIC TESTING

PROJECT NAME:
DANA POINT
HARBOR PATROL
Date Received:
April 9, 1992

PRECISION JOB NO
E920155

Date Reported:
April 13, 1992

TEST RESULTS

Date Collected:
April 8, 1992

Date Extracted:
April 10, 1992

Date Analyzed:
April 13, 1992

TEST METHODS	ANALYTES	LAB ID	SAMPLE ID	RESULTS	DETECTION LIMITS	UNITS OF MEASURE
8020	Benzene	3253	B1-10	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg
8020	Benzene	3255	B1-20	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg
8020	Benzene	3260	B2-10	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg
8020	Benzene	3262	B2-20	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg

Clifton J. Kiser
Quality Assurance

April 13, 1992
Date

645 North Main St., Orange, CA 92668 • (714) 744-4599 FAX (714) 744-0357

Precision Laboratories
ENVIRONMENTAL • GEOSYNTHETIC TESTING

PROJECT NAME:
DANA POINT
HARBOR PATROL
Date Received:
April 9, 1992

PRECISION JOB NO
E920155

Date Reported:
April 13, 1992

TEST RESULTS

Date Collected:
April 8, 1992

Date Extracted:
April 10, 1992

Date Analyzed:
April 13, 1992

TEST METHODS	ANALYTES	LAB ID	SAMPLE ID	RESULTS	DETECTION LIMITS	UNITS OF MEASURE
8020	Benzene	3266	B3-10	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg
8020	Benzene	3268	B3-20	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg
8020	Benzene	3271	B4-10	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg
8020	Benzene	3273	B4-20	ND	0.01	mg/Kg
	Toluene			ND	0.01	mg/Kg
	Ethyl Benzene			ND	0.01	mg/Kg
	Total Xylenes			ND	0.02	mg/Kg

Clifton J. Kiser
Quality Assurance

April 13, 1992
Date

645 North Main St., Orange, CA 92668 • (714) 744-4599 FAX (714) 744-0357

Precision Laboratories
ENVIRONMENTAL • GEOSYNTHETIC TESTING

REPORT TO:
Attn: Mr. Paul Humphreys
REYNOLDS GROUP
250 El Camino Real, #214
Tustin, CA

PROJECT NAME:
DANA POINT HARBOR PATROL

PRECISION JOB NO
E920164

Date Received:
April 17, 1992

Date Reported:
April 21, 1992

SAMPLE DESCRIPTION
Water

TEST RESULTS

Date Collected:
April 16, 1992

Date Extracted:
April 20, 1992

Date Analyzed:
April 21, 1992

TEST METHODS	ANALYTES	LAB ID	SAMPLE ID	RESULTS	DETECTION LIMITS	UNITS OF MEASURE
m 8015	Diesel	3478	MW1 (groundwater)	ND	0.5	mg/L
602	Benzene	3478	MW1 (groundwater)	ND	0.3	ug/L
	Toluene			0.9	0.3	ug/L
	Ethyl Benzene			ND	0.3	ug/L
	Total Xylenes			ND	0.6	ug/L
602	Benzene	3479	Blank	ND	0.3	ug/L
	Toluene			0.9	0.3	ug/L
	Ethyl Benzene			ND	0.3	ug/L
	Total Xylenes			ND	0.6	ug/L

Clinton J. Kiser
Quality Assurance

April 21, 1992
Date

645 North Main St., Orange, CA 92668 • (714) 744-4599 FAX (714) 744-0357

Appendix III

Chain-of-Custody Documentation

Precision Laboratories

CHAIN OF CUSTODY RECORD

Page 1

PROJECT NAME: Dana Point Harbor Patrol	COLLECTORS NAME/SIGNATURE: Paul Humphreys	DATE: 4 / 8 / 92	TIME: __ : __
CLIENT: County of Orange GSA	SEND REPORT TO:	Analyses Required	JOB #: 4005-DANAPT
PROJECT LOCATION: 25005 Dana Dr. Dana Point, CA	NAME: Paul Humphreys		NOTES: Analyze BLANK only if contamination is found in the samples and only per the analyses in which contamination was found
FIELD TEL: (714) 730-5288	COMPANY: Cardinal Environmental		
FAX NO: (714) 730-6476	ADDRESS: 250 El Camino Real #214 Tustin, CA 92680		

SPL NO:	Date Sampled	Time Sampled	Comp/ or Grab	Sample Identification	No: of Containers	EPA 8015m (dsl)	EPA 8020 (BTEX)				REMARKS	LAB ID:
	4-8	am	G	B1-10 soil	1	X	X					3253
	4-8	am	G	B1-15 soil	1						hold	3254
	4-8	am	G	B1-20 soil	1	X	X					3255
	4-8	am	G	B1-25 soil	1	X						3256
	4-8	am	G	B1-30 soil	1						hold	3257
	4-8	pm	G	BLANK soil	1						see above	3258
												~~3259~~
												~~3260~~

	SIGNATURE	COMPANY:	DATE:	TIME:	SHIPPED VIA:
RELINQUISHED BY:	Paul Humphreys	Cardinal	4-9-92		UPS:
RECEIVED BY:	Chris R.S.G.	"	4-9-92	3.45.	FED EX:
RELINQUISHED BY:					HAND DELIVERED:
RECEIVED BY:					OTHER: ACL
RELINQUISHED BY:					
RECEIVED BY:	Cheryl Lokachai	P.L.	4.9.92	4:03	

WHITE - FILE, YELLOW - LAB, PINK - CLIENT

645 North Main St., Orange, California 92668 Tel. No: (714) 744-4599 Fax No: (714) 744-0357

Precision Laboratories

CHAIN OF CUSTODY RECORD

PROJECT NAME: Dana Point Harbor Patrol	COLLECTORS NAME/SIGNATURE: Paul Humphreys/[signature]	DATE: 4 / 8 / 92	TIME: __ : __
CLIENT: County of Orange GSA	SEND REPORT TO:	Analyses Required	JOB #: 4005 - DANAPT
PROJECT LOCATION: 25005 Dana Dr. Dana Point, CA	NAME: Paul Humphreys		NOTES:
FIELD TEL: (714) 730-5288	COMPANY: Cardinal Environmental		
FAX NO: (714) 730-6476	ADDRESS: 250 El Camino Real #214 Tustin, CA 92680		

SPL NO:	Date Sampled	Time Sampled	Comp/ or Grab	Sample Identification	No: of Containers	EPA 8015m (dsl)	EPA 8020 (BTEX)				REMARKS	LAB ID:
	4-8	pm	G	B2-5 soil	1						hold	3259
	4-8	pm	G	B2-10 soil	1	X	X					3260
	4-8	pm	G	B2-15 soil	1						hold	3261
	4-8	pm	G	B2-20 soil	1	X	X					3262
	4-8	pm	G	B2-25 soil	1						hold	3263
	4-8	pm	G	B2-30 soil	1						hold	3264

	SIGNATURE	COMPANY:	DATE:	TIME:	SHIPPED VIA:
RELINQUISHED BY:	[signature]	Cardinal	4-9-92		UPS:
RECEIVED BY:	Christie, R.S.A.	"	4-9-92	3:44	FED EX:
RELINQUISHED BY:					HAND DELIVERED:
RECEIVED BY:					OTHER: ACL
RELINQUISHED BY:					
RECEIVED BY:	[signature]	P.L.	4-9-92	4:03	

WHITE - FILE, YELLOW - LAB, PINK - CLIENT

645 North Main St., Orange, California 92668 Tel. No: (714) 744-4599 Fax No: (714) 744-0357

Precision Laboratories

CHAIN OF CUSTODY RECORD

PROJECT NAME: Dana Point Harbor Patrol	COLLECTORS NAME/SIGNATURE: Paul Humphreys	DATE: 4 / 8 / 92	TIME: __ : __
CLIENT: County of Orange GSA	SEND REPORT TO: Paul Humphreys	Analyses Required	JOB #: 4005 - DANAPT
PROJECT LOCATION: 25005 Dana Dr.	~~NAME:~~		
Dana Point, CA	COMPANY: Cardinal Environmental		NOTES:
FIELD TEL: (714) 730-5288	ADDRESS: 250 El Camino Real #214		
FAX NO: (714) 730-6476	Tustin, CA 92680		

SPL NO:	Date Sampled	Time Sampled	Comp/ or Grab	Sample Identification	No: of Containers	EPA 8015m (dsl)	EPA 8020 (BTEX)				REMARKS	LAB ID:
	4-8	am	G	B3-5 soil	1						hold	3265
	4-8	am	G	B3-10 soil	1	X	X					3266
	4-8	am	G	B3-15 soil	1						hold	3267
	4-8	am	G	B3-20 soil	1	X	X					3268
	4-8	am	G	B3-25 soil	1						hold	3269

	SIGNATURE	COMPANY:	DATE:	TIME:	SHIPPED VIA:
RELINQUISHED BY:	Paul Humphreys	Cardinal	4-9-92		UPS:
RECEIVED BY:	Christine R.S.G.	"	4-9-92	3.45	FED EX:
RELINQUISHED BY:					HAND DELIVERED:
RECEIVED BY:					OTHER: ACA
RELINQUISHED BY:					
RECEIVED BY:	Cheryl Klokkevold	P.L.	4-9-92	4:03	

WHITE - FILE, YELLOW - LAB, PINK - CLIENT

645 North Main St., Orange, California 92668 Tel. No: (714) 744-4599 Fax No: (714) 744-0357

Precision Laboratories

CHAIN OF CUSTODY RECORD

PROJECT NAME: Dana Point Harbor Patrol	COLLECTORS NAME/SIGNATURE: Paul Humphreys	DATE: 4 / 8 / 92	TIME: __ : __
CLIENT: County of Orange GSA	SEND REPORT TO:	Analyses Required	JOB #: 4005-DANAPT
PROJECT LOCATION: 25005 Dana Dr. Dana Point, CA	NAME: Paul Humphreys		NOTES:
FIELD TEL: (714) 730-5288	COMPANY: Cardinal Environmental		
FAX NO: (714) 730-6476	ADDRESS: 250 El Camino Real #214 Tustin, CA 92680		

SPL NO:	Date Sampled	Time Sampled	Comp/ or Grab	Sample Identification	No: of Containers	EPA 8015 m (dsl)	EPA 8020 (BTEX)				REMARKS	LAB ID:
	4-8	pm	G	B4-5 soil	1						hold	3270
	4-8	pm	G	B4-10 soil	1	X	X					3271
	4-8	pm	G	B4-15 soil	1						hold	3272
	4-8	pm	G	B4-20 soil	1	X	X					3273
	4-8	pm	G	B4-25 soil	1						hold	3274
	4-8	pm	G	B4-30 soil	1						hold	3275

	SIGNATURE	COMPANY:	DATE:	TIME:	SHIPPED VIA:
RELINQUISHED BY:	Paul Humphreys	Cardinal	4-9-92		UPS:
RECEIVED BY:	Christine Ross	"	4-9-92	3.46.	FED EX:
RELINQUISHED BY:					HAND DELIVERED:
RECEIVED BY:					OTHER: Ace
RELINQUISHED BY:					
RECEIVED BY:	Rafael Hernandez	P.L.	4-9-92	4:03	

WHITE - FILE, YELLOW - LAB, PINK - CLIENT

645 North Main St., Orange, California 92668 Tel. No: (714) 744-4599 Fax No: (714) 744-0357

Precision Laboratories

CHAIN OF CUSTODY RECORD

E920164

PROJECT NAME: Dana Point Harbor Patrol	COLLECTORS NAME/SIGNATURE: Paul Humphreys	DATE: 4/16/92	TIME: __ : __
CLIENT: OC GSA	SEND REPORT TO:	Analyses Required	JOB #: 4005-DANAPT
PROJECT LOCATION: 25005 Dana Drive, Dana Point, CA	NAME: Paul Humphreys		NOTES: Analyze blank only if contamination is found in the sample and only per the analysis in which contam. was found
FIELD TEL: (714) 730-5288	COMPANY: Cardinal		
FAX NO: (714) 730-6476	ADDRESS: 250 El Camino Real #214 Tustin, CA		

SPL NO:	Date Sampled	Time Sampled	Comp/ or Grab	Sample Identification	No: of Containers	m8015m (dsl)	602				REMARKS	LAB ID:
	4-16	13:35	G	MW1 (groundwater)	3	X	X					3478
	4-16	13:45	G	Blank	3	X	X				see above	3479

	SIGNATURE	COMPANY:	DATE:	TIME:	SHIPPED VIA:
RELINQUISHED BY:	Paul Humphreys	Cardinal	4-17-92	10:45	UPS:
RECEIVED BY:	Gina Reynolds	Cardinal	4-17-92	10:45	FED EX:
RELINQUISHED BY:	Gina Reynolds	Cardinal	4-17-92	11:00	HAND DELIVERED: X
RECEIVED BY:		PL	"	"	OTHER:
RELINQUISHED BY:					
RECEIVED BY:					

WHITE - FILE, YELLOW - LAB, PINK - CLIENT

APR 23 1992

645 North Main St., Orange, California 92668 Tel. No: (714) 744-4599 Fax No: (714) 744-0357

Appendix IV

Soil Sampling Procedures

APPENDIX IV - SOIL SAMPLING PROCEDURES

The soil borings B1, B2, B3, and B4 were drilled using a Failing F10 truck-mounted drilling rig equipped with 7 5/8-inch outside diameter (OD) hollow-stem augers. Soil samples were collected from each of the soil borings at five-foot intervals with a 2.0-inch inside diameter (ID) split barrel sampler lined with three pre-washed six-inch long stainless steel tubes. The sampler was driven a total of 18 inches into the soil during each sampling event. The lower-most sample tube from each driven sampler was extracted and capped on each end with Teflon liners and polyethylene end-caps, and the edges of the end-caps were secured with duct-tape. Each of the samples were labelled and stored in an ice-cooled chest.

During drilling and soil sampling operations, data on the soil lithology encountered in each soil boring were recorded on boring logs using the Unified Soil Classification System (USCS). In addition, visual and olfactory observations relating to the presence of hydrocarbon compounds were recorded on the boring logs.

Field data on organic vapors in the soils were collected by "head-space" analysis on each sample using a MicroTip photo-ionization detector (PID). Soil from the shoe of the driven sampler was placed directly into a pre-cleaned glass jar and secured with a lid. The soil in the jar was disaggregated by shaking, and allowed to sit for approximately one minute. The probe of the PID was then inserted through a covered hole in the lid of the jar, and headspace measurements were recorded on the boring logs.

A "blank" soil sample was generated at the completion of soil sampling by pouring horticultural grade sand into one of the sampling sleeves. The sampling sleeve was cleaned, capped, sealed, handled, and transported in the same manner as the sampling sleeves used to collect soil samples from the borings.

Two soil samples were selected from each boring and submitted along with the blank for analysis at Precision Laboratories -- a California Department of Health Services certified laboratory (Cal-DHS #1429). All samples were handled and transported following strict chain-of-custody procedures. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA Method 8015 modified for diesel; and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020.

All soil cuttings brought to the surface were containerized and stored in labelled 55-gallon drums. Disposal of the drums is the responsibility of the GSA. At the completion of soil sampling borings B2, B3, and B4 were back-filled with bentonite chips.

All soil sampling equipment was thoroughly washed between sampling events with a solution of water and Alconox (an inorganic detergent), rinsed with tap water, and then rinsed again with de-ionized water. The head-space analysis jar and lid were similarly cleaned and then dried between each use.

Appendix V

Well Construction Procedures

APPENDIX V - WELL CONSTRUCTION PROCEDURES

At the completion of soil sampling B1 was converted into a 4-inch diameter groundwater monitoring well. The boring was widened using 10-inch OD augers, and the augers were equipped with a wooden end-plug to prevent heaving soils from entering the inside of the augers prior to setting the well casing.

The 10-inch augers were advanced to 31 feet bgs. The end plug was then knocked free from the augers, and a four-inch ID schedule 40 flush-threaded PVC well casing was inserted into the boring. The well was constructed of screened casing (0.020-inch slot width) from 30 to 10 feet bgs, and blank casing from 10 feet bgs to one-foot above-ground-surface. A flush-threaded bottom cap was placed on the bottom of the well, and a slip cap was placed on the top of the well.

A #3 Monterey sand filter pack was poured through the annular space around the well casing from 31 to 7 feet bgs (three feet above the screened casing section). To minimize bore-hole caving and bridging of the filter pack, the sand was added slowly through the hollow stem augers as the augers were raised in approximately three-foot increments. The top of the filter pack was measured frequently during installation with the intent of keeping the sand inside the hollow stem augers as the augers were raised.

To help grade and settle the filter sand pack and improve communication between the well and surrounding formation, the well was developed by surging after the filter pack was installed. Surging was performed with a rig-mounted surge block equipped with neoprene rings to form a semi-tight seal with the inside of the well. Surging was done for approximately 30 minutes by slowly moving the surging block up and down across the screened portion of the well. Immediately following well surging, the well was purged with a rig-mounted purging bailer to remove suspended solids agitated during the surging process. All groundwater extracted to the surface during well installation was containerized in a labelled 55-gallon drum. Disposal of the drum is the responsibility of the GSA.

A three foot thick bentonite seal was installed in the annular space above the filter pack from 7 to 4 feet bgs using 100 pounds of bentonite chips hydrated with approximately 10 gallons of tap water. A concrete slurry was added from the top of bentonite seal to ground surface where a locking monument well-cover was set over the top of the well. The well casing and monument cover extend approximately one foot above grade.

Appendix VI

Groundwater Sampling Procedures

APPENDIX VI - GROUNDWATER SAMPLING PROCEDURES

A groundwater sample was collected from MW1 on April 16, 1992. The depth to groundwater of 10.96 feet was first measured in the well, and the well was then purged of approximately 40 gallons (three well volumes). Purging was done using a pre-cleaned PVC bailer lowered on disposable nylon line, and all purged groundwater was containerized in a labelled 55-gallon drum. Disposal of the drum is the responsibility of the GSA. The temperature, electrical conductivity, and pH of the well water was measured periodically during well purging using a DSPH-3 pH/conductivity meter, and thermometer.

At the completion of well purging the depth to water was again measure, and found to be 12.12 feet bgs -- recharged to 94 percent initial volume. A groundwater sample was then collected from the surface of the aquifer using a pre-cleaned Teflon bailer. The bailer was lowered slowly into the monitoring well on disposable nylon line to reduce agitation of the groundwater, and the water from the filled bailer was extracted to sample vials using a pre-cleaned Teflon bottom-emptying-device (BED).

The water sample was divided between three pre-cleaned 40 mL sample vials. The sample vials were first rinsed with well water, and then overfilled with well water to minimize headspace. The filled sample vials were labelled, placed in an ice-cooled chest, and transported to a California Department of Health Services certified laboratory following strict chain-of-custody procedures.

All well sampling equipment was thoroughly washed both before and after sampling with a solution of Alconox and water, rinsed with tap water, and then rinsed again with de-ionized water.

A "blank" water sample was generated at the completion of groundwater sampling to verify that the sample had not been contaminated due to sampling procedures, transportation, or laboratory error. The Teflon sampling bailer was washed according to the protocol described above, filled with de-ionized water, and then equipped with the BED to extract the water to sample vials. The blank sample was transported and handled in the same manner as the groundwater sample, and submitted for laboratory analysis along with the groundwater sample.

The sample and the blank were submitted for analysis to Precision Laboratories -- a California Department of Health Services certified laboratory (Cal-DHS #1429). The water samples were analyzed for total petroleum hydrocarbons (TPH) by EPA Method 8015 modified for diesel; and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 602.

Dana Point Harbor Patrol Closure Report

Address: 25005 Dana Drive
Dana Point, CA 92629
O.C.H.C.A. Case #96UT40

Prepared for: James Strozier
Hazardous Waste Specialist
Hazardous Materials Management section
Environmental Health Division

Prepared by: McNichol Construction
P.O. Box 1742
Whittier, CA 90609
Ph (562) 946-3602
Fx (562) 946-3679



Dana Point Harbor Patrol Closure Report

Table of Contents.....Page 1

Geology & Hydrology.....Page 2

Tank Removal.....Page 3

Soil & Groundwater Sampling.....Page 4

Installation of Monitoring Well.....Page 5

Recommendations for Closure.....Page 6

Drilling Logs & Soil Borings.....Page 7

Site Drawing of Record.....Page 8

Lab Results & Tank Destruction Certificate.....Appendix 1

Geology & Hydrology

The tank site proper is located on a man made structure, i.e., an artificial peninsula, built up from large granite boulders sunk into the sea bed. The rock appears to have been lined with clay to inhibit salt water intrusion. Above the clay layer is approximately 6 to 10 feet of sand backfill providing a base for buildings, roads, and other infrastructure.

Hydrology is mainly due to tidal influxes and any precipitation that may fall within the breakwater confines. There appears to be no gradient in the area, i.e., water does not have a tendency to migrate.

Tank Removal

During the tank removal the tank was inspected for pinholes, cracks and other defects. There were no apparent visible sources indications of tank defects. The apparent source of the minor leak appeared to be from the threaded connection between the fill pipe and the tank. Contamination appeared in soil discoloration in the vicinity of the tank fill and was later confirmed by soil samples in the tank pit excavation.

Soil and Groundwater Sampling

Initial soil samples were taken on the excavation sidewalls, directly beneath the tank, and in the arm where the product line penetrated the sidewall. Lab results indicated some contamination in the area of the tank fill connection. (Reference Lab Report Appendix 1: JW2139, 10/2/96). An additional set of samples were taken to further evaluate the excavation (Reference Lab Report Appendix 1: JW2191, 10/11/96). Approximately 48 tons of contaminated soil were removed from the site. The excavation went westward to the seawall, north to the ramp, east to the landscape retaining wall, and south to the original excavation.

After soil removal and tank installation soil boring three (3) boring samples were taken in a triangular pattern around the tank area to determine existing levels of contamination as may have been released from the old tank. See attached site map. Three (3) samples per borings were taken and analyzed for TPH and BETX. All samples taken and tested from the borings contained no contamination.

A hand auger was used to bore 2" holes approximately 10 ' to 12' in depth at locations indicated on the attached site plan. Sampling was done at approximately five foot vertical intervals with a split spoon hand auger. Samples were labeled and stored on ice until they were delivered to Associated Labs for testing (Reference Lab Report Appendix 1: LR2884-01,02,03, 12/31/96). Spoils were stocked piled on site until contamination levels were determined. Groundwater was not encountered during the boring process.

A groundwater monitoring well was installed in the southwest corner of the tank excavation, see site map and detail sheet. The well was set at the bedrock foundation level of the jetty. At no time was groundwater encountered during the tank removal or new tank installation. The well has been dry since installation.

Installation of Monitoring Well

Construction of the monitoring well consisted of inserting a 4" PVC well casing into an existing 8" PVC sleeve that was placed in close proximity to the tank during the tank backfill process. The well screen was covered with a suitable associative gravel pack. The well casing extents to the bottom of the tank excavation and is exposed to the surrounding backfill material. The well casing above the slotted casing area is surrounded by the same gravel medium that surrounds the tank. We provided a concrete cap and monitoring well manhole, with cover, at the top of the casing. The depth of the well extends approximately to a depth of eight (8) feet where it terminates in rock used for the construction of the foundation of the harbor and building area.

Bentonite was not used in this application. The addition of bentonite to the annular space between the outer sleeve and the inner well casing would only complicate construction in the removal of the outer sleeve. Bentonite in this case would serve no purpose as we did not penetrate dissimilar strata as the well was placed in the backfill material of the tank.

Recommendations for Closure

Initial soil samples taken from beneath the existing tank, after removal of the tank, showed evidence of contamination. We excavated to the base backfill used to create the foundation of the harbor patrol jetty and disposed of 48 tons of contaminated soil in the immediate area of the tank. We believe that we have eliminated the majority of the contamination on site through the soil removal.

Subsequent soil samples from borings taken on site outside of the immediate tank area appeared to contain no contamination and lab analysis of all soil samples indicated a non-detect for hydrocarbons, corroborating the field observations.

It is our professional opinion that due to the construction of the foundation it is not recommended that borings or additional monitoring wells or borings penetrate into or below the clay layer membrane. To do so would compromise the integrity of the clay liner and expose any remaining contamination in the soil to the action of tidal exchange and the possibility of flushing contamination into the harbor waters. Any contamination which remains, if any, is a small quantity and within accepted levels, and is contained within the boundaries of the concrete apron and clay layer below. Any further excavation could undermine the integrity of the seawall and compromise the soil compaction adjacent to the seawall and Harbor Patrol building foundation.

Based upon these findings we are recommending that no further remedial action be undertaken at the above referenced site and that the site be closed.

Dana Point Harbor Boring Log
Method of Bore: Hand Auger

Boring 1

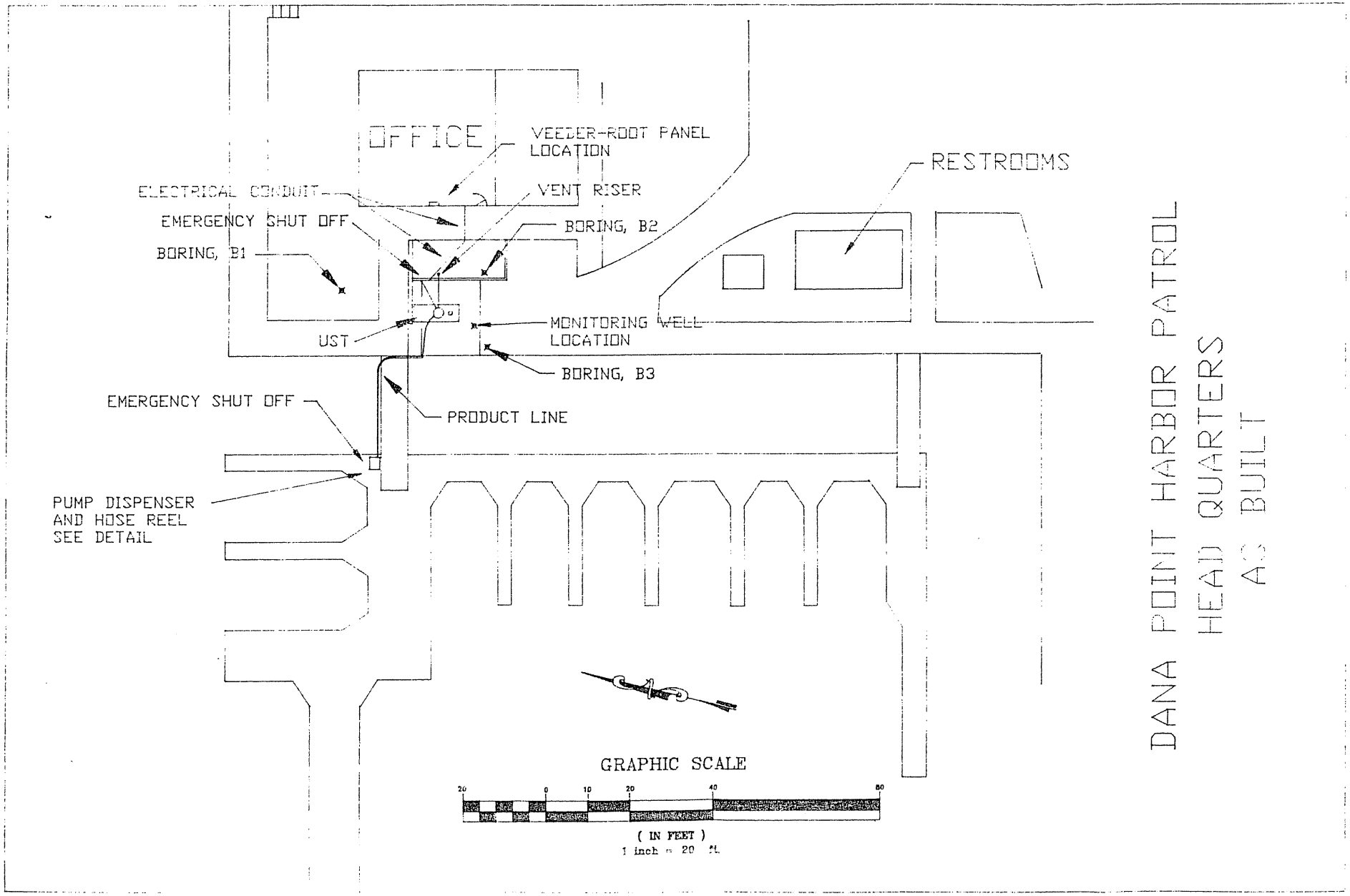
Depth	Soil Type	Preliminary	Lab Results
2'	Sand	N/D	N/D
5'	Sand	N/D	N/D
8'	Sand	N/D	N/D

Boring 2

Depth	Soil Type	Preliminary	Lab Results
2'	Sand	N/D	N/D
6'	Sand	N/D	N/D
8'	Sand	N/D	N/D

Boring 3

Depth	Soil Type	Preliminary	Lab Results
2'	Sand	N/D	N/D
5'	Sand	N/D	N/D
8'	Sand	N/D	N/D


OFFICE
VEEDER-ROOT PANEL LOCATION
RESTROOMS
ELECTRICAL CONDUIT
VENT RISER
EMERGENCY SHUT OFF
BORING, B2
BORING, B1
MONITORING WELL LOCATION
UST
BORING, B3
EMERGENCY SHUT OFF
PRODUCT LINE
PUMP DISPENSER AND HOSE REEL SEE DETAIL
GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.
DANA POINT HARBOR PATROL
HEAD QUARTERS
AS BUILT

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT

McNichol Construction
Attn: John McNichol
10228 Valley View
Whittier, CA 90604

LAB NO. JW2139

REPORTED 10/02/96

SAMPLE Soil

RECEIVED 10/01/96

IDENTIFICATION Dana Pt. Harbor Patrol
25005 Dana Dr., Dana Point

BASED ON SAMPLE Date Collected 10/01/96
As Submitted with County Seals Intact

	#1	#2	#3
Total Hydrocarbons (TPH DHS) (mg/kg)			
-Diesel	ND<10	840*	ND<10
-Gasoline	ND< 5	9,200	ND< 5
Benzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Toluene (mg/kg)	ND< 0.005	1.0	ND< 0.005
Ethylbenzene (mg/kg)	ND< 0.005	26	ND< 0.005
Total Xylenes (8020) (mg/kg)	ND< 0.015	130	ND< 0.015
MTBE (mg/kg)	ND< 0.05	ND< 0.05	ND< 0.05

*In gasoline range
Date Analyzed: 10/02/96

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/ql

cc: O.C. Health Care Dept.

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical •
Microbiological •
Environmental •

1 .0M

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

QC Sample:	LL1338-7	Report Date:	10/02/96
Matrix:	SOIL	File Name:	G09306S
Prep. Date:	09/30/96	Analyst:	AHT
Analysis Date:	09/30/96	Report by :	QL

ID#'s in Batch: LL1338(1-8), LL1253, JW2107(1-5), JW2128, JW2089, JW2127, JW2139

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = MG/KG

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	ND	U	10.0	9.11	7.78	91.1	77.8	15.7

%REC LIMITS = 70 - 130
RPD LIMITS = 30

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLANK		LCS				
Value	ND	Result	True	%Rec	L.Limit	H.Limit
ND	U	798.6	800.0	99.8	80%	120%

Value = Preparation Blank Value; ND = "U" for Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

QC Sample:	LL1338-7	Report Date:	10/02/96
Matrix:	SOIL	Prep. Method:	8020
Prep. Date:	09/30/96	File Name :	SC9306S
Analysis Date:	09/30/96	Report by :	QL
Analyst:	AHT		

LAB ID#'s in Batch: LL1253, JW2095(1-5), JW2089, JW2139(1-3)

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = MG/KG

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Benzene	8020	< 0.005	U	0.10	0.10	0.10	110.0	100.5	3.0
Toluene	8020	< 0.005	U	0.10	0.10	0.10	120.0	99.7	0.3
Ethylbenzene	8020	< 0.005	U	0.10	0.10	0.10	90.0	95.7	5.0
Xylenes	8020	< 0.015	U	0.30	0.30	0.29	99.4	95.8	3.7

%REC LIMITS =	70 - 130
RPD LIMITS =	30

ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

		PREP BLANK		LCS				
Test	Method	Value	ND	Result	True	%Rec	L.Limit	H.Limit
Benzene	8020	< 0.005	U	18.24	20.00	91.2	80%	120%
Toluene	8020	< 0.005	U	22.52	20.00	112.6	80%	120%

VALUE = Preparation Blank Value; ND = "U" for Not-Detected
LCS = Lab Control Sample Result
TRUE = True Value of LCS
L.LIMIT / H.LIMIT = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

QC Sample:	JW2139-3	Report Date:	10/03/96
Matrix:	SOIL	File Name:	D10016S
Prep. Date:	10/01/96	Analysis Date:	10/02/96
Analyst:	AHT	Report by :	QL

ID#'s in Batch: JW2139(1-3), JW2127

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = MG/KG

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-D	0.000	U	400.00	352.00	427.00	88.0	106.7	19.3

%REC LIMITS = 70 - 130
RPD LIMITS = 30

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLANK		LCS				
Value	ND	Result	True	%Rec	L.Limit	H.Limit
0.000	U	4602.0	5000.0	92.0	80%	120%

Value = Preparation Blank Value; ND = "U" for Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT

McNichol Construction
Attn: John McNichol
10228 Valley View
Whittier, CA 90604

LAB NO. JW2191

REPORTED 10/11/96

RECEIVED 10/03/96

SAMPLE IDENTIFICATION Soil
Dana Point Harbor Patrol
25005 Dana Dr., Dana Point

BASED ON SAMPLE Date Collected 10/03/96
As Submitted

	NW6.5	W10	SW7
Total Hydrocarbons (TPH DHS) (mg/kg)			
-Diesel	ND<10	ND<10	ND<10
-Gasoline	ND< 5	ND< 5	ND< 5
Benzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Toluene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Ethylbenzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Total Xylenes (8020) (mg/kg)	ND< 0.015	ND< 0.015	ND< 0.015
MTBE (mg/kg)	ND< 0.05	ND< 0.05	ND< 0.05

Date Analyzed: 10/08/96

ASSOCIATED LABORATORIES, by:

Edward S. Beware, Ph.D.
Vice President

ESB/ql

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical •
Microbiological •
Environmental •

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

QC Sample: LL1490-1 Report Date: 10/11/96

Matrix: SOIL File Name: G10086S

Prep. Date: 10/08/96 Analyst: AHT

Analysis Date: 10/09/96 Report by : QL

ID#'s in Batch: LL1490(1-4), JW2201(1-2), JW2197(1-3), JW2200(1-8), JW2191(1-3)

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = MG/KG

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	ND	U	12.5	12.04	13.62	96.3	109.0	12.3

%REC LIMITS = 70 - 130
RPD LIMITS = 30

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLANK		LCS				
Value	ND	Result	True	%Rec	L.Limit	H.Limit
ND	U	920.0	800.0	115.0	80%	120%

Value = Preparation Blank Value; ND = "U" for Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

QC Sample:	LL1490-1	Report Date:	10/11/96
Matrix:	SOIL	Prep. Method:	8020
Prep. Date:	10/08/96	File Name :	S10086S
Analysis Date:	10/09/96	Report by :	QL
Analyst:	AHT		

LAB ID#'s in Batch: LL1490(1-4), JW2201(1-2), JW2191(1-3), JW2197(1-3), JW2200(1-8)

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = MG/KG

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Benzene	8020	< 0.005	U	0.10	0.10	0.10	97.2	98.6	1.4
Toluene	8020	< 0.005	U	0.10	0.09	0.10	94.8	98.1	3.4
Ethylbenzene	8020	< 0.005	U	0.10	0.09	0.09	90.2	89.8	0.4
Xylenes	8020	< 0.015	U	0.30	0.30	0.27	98.7	90.7	8.5

%REC LIMITS = 70 - 130
RPD LIMITS = 30

ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP BLANK Value	ND	LCS Result	True	%Rec	L.Limit	H.Limit
Benzene	8020	< 0.005	U	18.44	20.00	92.2	80%	120%
Toluene	8020	< 0.005	U	23.50	20.00	117.5	80%	120%

VALUE = Preparation Blank Value; ND = "U" for Not-Detected
LCS = Lab Control Sample Result
TRUE = True Value of LCS
L.LIMIT / H.LIMIT = LCS Control Limits

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT

McNichol Construction
Attn: John McNichol
P.O. Box 1742
Whittier, CA 90604

LAB NO LR2884-01

REPORTED 12/31/96

SAMPLE Soil

RECEIVED 12/20/96

IDENTIFICATION Dana Point Harbor

BASED ON SAMPLE Date Collected 12/19/96
As Submitted

	B1-2'	B1-6'	B1-10'
Total Hydrocarbons (TPH DHS) (mg/kg) -Gasoline	ND< 5	ND< 5	ND< 5
Benzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Toluene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Ethylbenzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Total Xylenes (8020) (mg/kg)	ND< 0.015	ND< 0.015	ND< 0.015

Date Analyzed: 12/27, 12/30/96

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/ql

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical · Microbiological · Environmental ·

10M

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT

McNichol Construction
Attn: John McNichol
P.O. Box 1742
Whittier, CA 90604

LAB NO LR2884-02

REPORTED 12/31/96

SAMPLE Soil

RECEIVED 12/20/96

IDENTIFICATION Dana Point Harbor

BASED ON SAMPLE Date Collected 12/19/96
As Submitted

	B2-3'	B2-6'	B2-10'
Total Hydrocarbons (TPH DHS) (mg/kg) -Gasoline	ND< 5	ND< 5	ND< 5
Benzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Toluene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Ethylbenzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Total Xylenes (8020) (mg/kg)	ND< 0.015	ND< 0.015	ND< 0.015

Date Analyzed: 12/27, 12/30/96

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/ql

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical · Microbiological · Environmental ·

10M

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT

McNichol Construction
Attn: John McNichol
P.O. Box 1742
Whittier, CA 90604

LAB NO LR2884-03

REPORTED 12/31/96

SAMPLE Soil

RECEIVED 12/20/96

IDENTIFICATION Dana Point Harbor
Date Collected 12/19/96

BASED ON SAMPLE As Submitted

	B3-2'	B3-5'	B3-8'
Total Hydrocarbons (TPH DHS) (mg/kg) -Gasoline	ND< 5	ND< 5	ND< 5
Benzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Toluene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Ethylbenzene (mg/kg)	ND< 0.005	ND< 0.005	ND< 0.005
Total Xylenes (8020) (mg/kg)	ND< 0.015	ND< 0.015	ND< 0.015

Date Analyzed: 12/27, 12/30/96

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/ql

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical · Microbiological · Environmental ·

10M

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

QC Sample:	LR2901-7302	Report Date:	12/31/96
Matrix:	SOIL	Prep. Method:	8020
Prep. Date:	12/26/96	File Name :	S12266S
Analysis Date:	12/27/96	Report by :	QL
Analyst:	QD		

LAB ID#'s in Batch: LR2884

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = MG/KG

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Benzene	8020	<0.005	U	0.10	0.08	0.09	80.0	90.0	11.8
Toluene	8020	<0.005	U	0.10	0.07	0.08	70.0	80.0	13.3
Ethylbenzene	8020	<0.005	U	0.10	0.08	0.09	80.0	90.0	11.8
Xylenes	8020	<0.005	U	0.30	0.26	0.28	86.7	93.3	7.4

%REC LIMITS = 70 - 130
RPD LIMITS = 30

ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

		PREP BLANK		LCS				
Test	Method	Value	ND	Result	True	%Rec	L.Limit	H.Limit
Benzene	8020	<0.005	U	20.40	20.00	102.0	80%	120%
Toluene	8020	<0.005	U	18.50	20.00	92.5	80%	120%

VALUE = Preparation Blank Value; ND = "U" for Not-Detected
LCS = Lab Control Sample Result
TRUE = True Value of LCS
L.LIMIT / H.LIMIT = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

QC Sample:	LR3021-7672	Report Date:	12/31/96
Matrix:	SOIL	File Name:	G12276S1
Prep. Date:	12/27/96	Analyst:	QD
Analysis Date:	12/30/96	Report by:	QL
ID#'s in Batch:	LR3022, LR3023, LR3024, LR2884		

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = MG/KG

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	< 5	U	10.0	7.90	7.30	79.0	73.0	7.9

%REC LIMITS = 70 - 130
RPD LIMITS = 30

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLANK		LCS				
Value	ND	Result	True	%Rec	L.Limit	H.Limit
<5	U	948.0	1000.0	94.8	80%	120%

Value = Preparation Blank Value; ND = "U" for Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

SSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • FAX: (714) 538-1209

2884

CHAIN OF CUSTODY RECORD

Date 12/20/96 Page 1 of 1

1999

CLIENT McNICHOL CONSTRUCTION
ADDRESS P.O. BOX 1742
WHITTIER CA 90604

PROJECT NAME
DANA POINT HARBOR

PROJECT MANAGER
JOHN McNICHOL
PHONE NUMBER (310) 946-3602
SAMPLERS: (Signature)

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ____ Cooled ✓ Frozen ____
Same Day ____ 24 Hr. ____
Regular ✓ 48 Hr. ____

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE: WATER	SAMPLE TYPE: AIR	SAMPLE TYPE: SOLID	NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
B1-2'	TANK SITE	12/19	3 PM			X	1	GASOLINE	TPH + BETX
B1-6'						X	1		
B1-16'						X	1		
B2-3'						X	1		
B2-6						X	1		
B2-10						X	1		
B3-2'						X	1		
B3-5'						X	1		
B3-8'						X	1		

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

I hereby authorize the performance of the above indicated work.

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 12/20 1430

Special Instructions:

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

L.A. INDUSTRIAL SERVICE INC.
378 WEST 133RD STREET
LOS ANGELES, CA. 90061
(310) 538-0092 & FAX (310) 538-8478

TANK DISPOSAL INVOICE NO. 1493 DATE: 10/02 19 96

CONTRACTOR: WEECO -WESTERN ENVIRONMENTAL ENGINEERS LICENSE NO.

ADDRESS: 1780 E. MCFADDEN AV.STE 117 CITY: SANTA ANA, CA ZIP 92705

JOB SITE: DANA POINT HARBOR POLICE STATION TANK CERT#

ADDRESS: 25005 DANA DRIVE CITY: DANA POINT ZIP CA

DESTINATION: L.A. INDUSTRIAL SERVICE OUR TRK () THEIR TRK (X)

TANKS RECEIVED

QTY:	GALLONS:	TYPE: 'O	TYPE: 'S'
-------	280	()	()
-------	500	()	()
1	550	()	()
-------	1000	()	(X)
-------	1500	()	()
-------	2000	()	()
-------	2500	()	()
-------	3000	()	()
-------	4000	()	()
-------	5000	()	()
-------	6000	()	()
-------	7500	()	()
-------	8000	()	()
-------	9000	()	()
-------	10000	()	()
-------	12000	()	()

NUMBER OF TANKS TOTAL 1

'O-OTHER () 'S-STEEL 105 ()

REMARKS

1-1,000 GAL GASOLINE
SINGLE-WALL STEEL TANK
MANIFEST NO. AVAILABLE ON REQU
FROM WEECO.

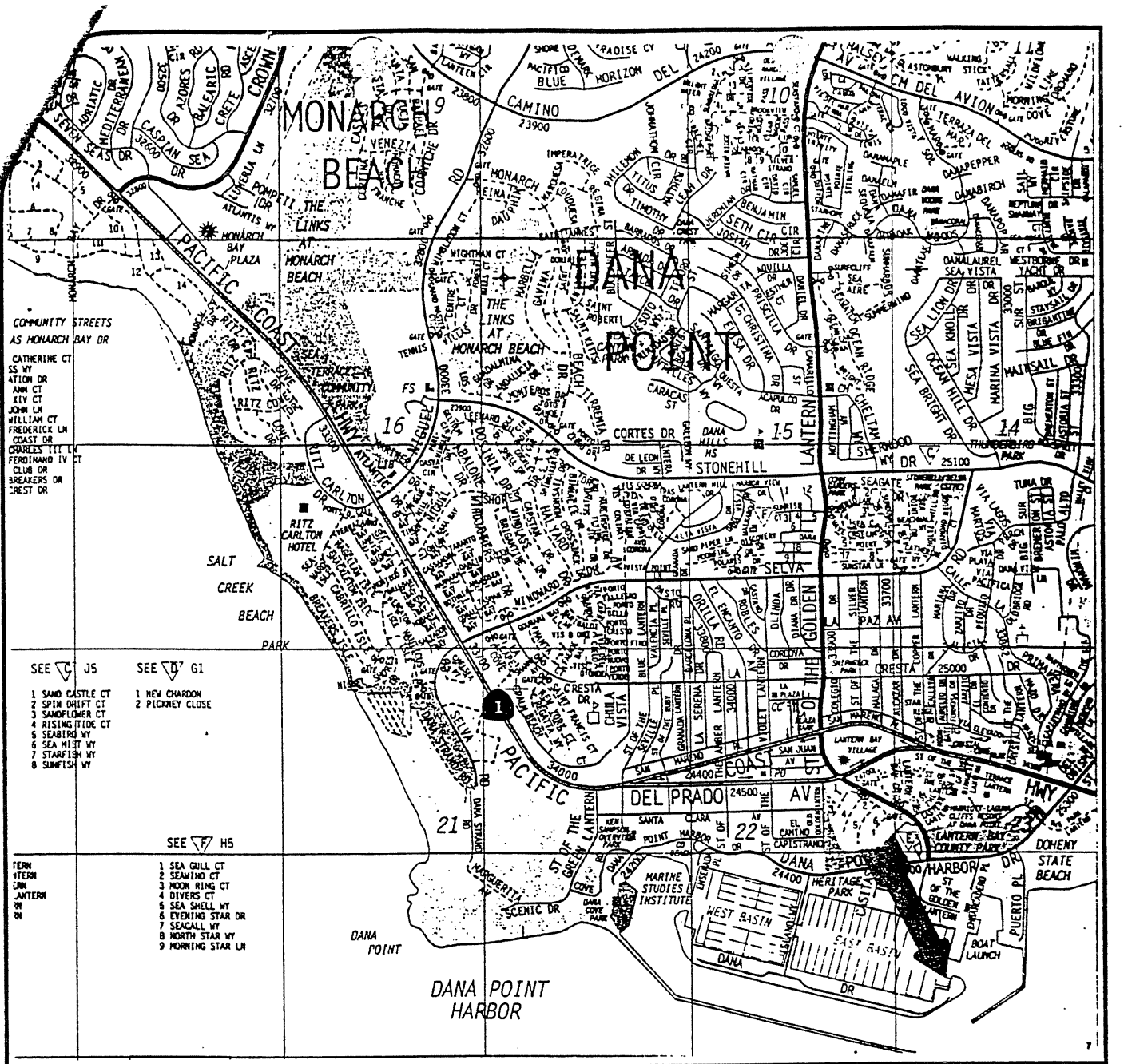
CONTRACTOR'S SIGNATURE REPRESENTS ACCEPTANCE OF TERMS FOR PAYMENT, AND CONFIRMS THAT TANK REMOVAL COMPLIES WITH STATE LAWS.

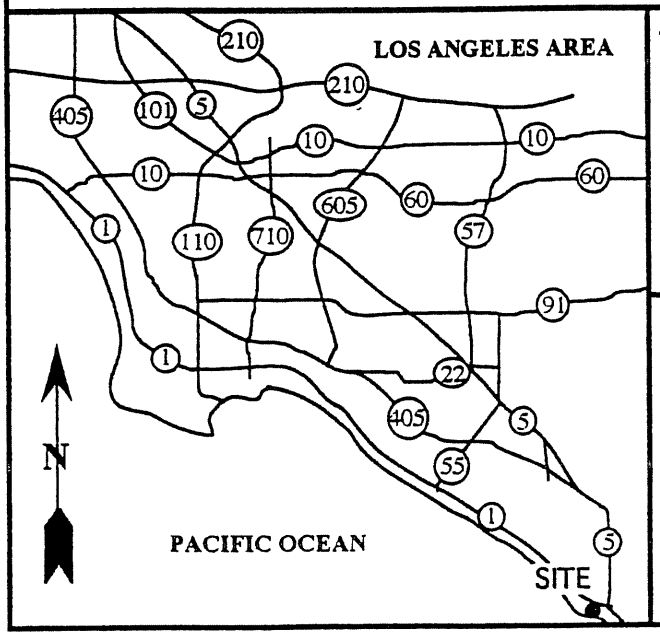
CONTRACTOR'S SIGNATURE

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

ANN WARD DATE: 10/02/96
AUTHORIZED REP.

FORM REVISED 1989





ADAPTED FROM 1999 ORANGE COUNTY THOMAS BROTHERS GUIDE, MAP PAGE 971.

0 2000 4000

FEET

APPROXIMATE SCALE

THE REYNOLDS GROUP

FIGURE 1
SITE LOCATION MAP

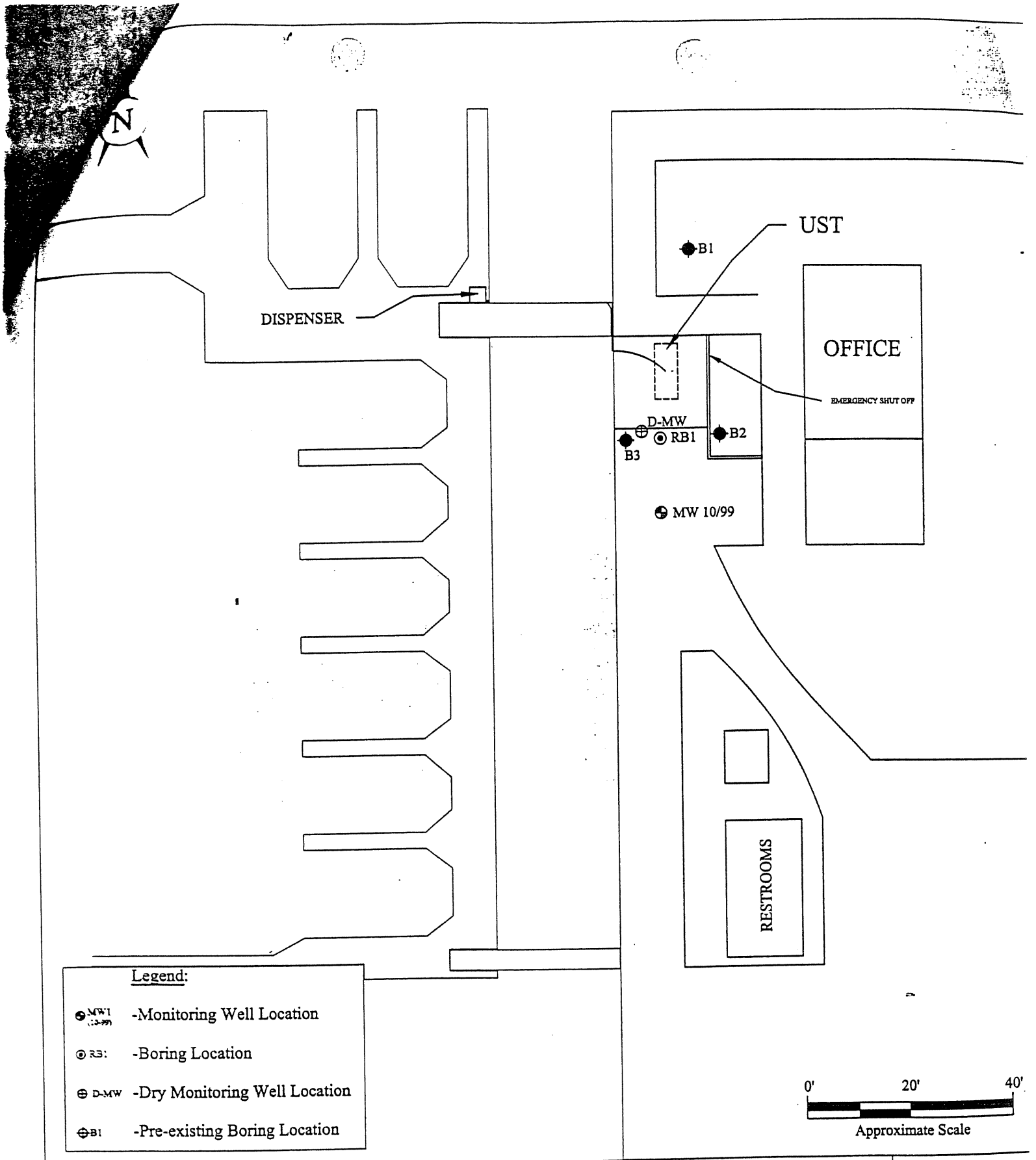
DANA POINT HARBOR PATROL
25005 DANA DRIVE
DANA POINT, CALIFORNIA

TABLE 1

HISTORICAL SUMMARY OF GROUNDWATER SAMPLE RESULTS

DANA POINT HARBOR PATROL

Well ID	Date Sampled	TPH (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-10-99	10/29/99	ND	2.6	1.5	ND	1.9	ND
	1/26/00	ND	ND	ND	ND	ND	12
LIMITS		**100**	**0.3**	**0.3**	**0.3**	**0.5**	**10**



Site Plot Plan with Monitoring Wells and Boring Locations	Site Name: Dana Point Harbor Patrol 25005 Dana Drive Dana Point, CA	Project No: 5533 DANA PT.	THE REYNOLDS GROUP ENVIRONMENTAL SERVICES
FIGURE 2	Prepared By: The Reynolds Group		

COUNTY OF ORANGE
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

MICHAEL SCHUMACHER, Ph.D.
DIRECTOR
MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES
JACK MILLER, REHS
DIRECTOR
ENVIRONMENTAL HEALTH
MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720
TELEPHONE: (714) 667-3600
FAX: (714) 972-0749
E-MAIL: environhealth@hca.co.orange.ca.us

May 3, 2000

Bill Grey
County of Orange
1143 E. Fruit St.
Santa Ana, CA 92707

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
Dana Point Harbor Patrol
25005 Dana Drive, Dana Point, CA
O.C.H.C.A. Case #96UT40

Dear Mr. Grey:

This letter confirms the completion of site investigation and corrective action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact James Strozier of our office at (714) 667-3711 if you have any questions regarding this matter.

Sincerely,

Jack Miller, REHS, Director
Environmental Health

JM:jcs
Attachment: Case Closure Summary

cc. Sue Pease, San Diego Regional Water Quality Control Board
SB 562 Database, State Water Resources Control Board
Cleanup Fund Manager, State Water Resources Control Board
Larry Honeybourne, Environmental Health

JS/closure

Case Closure Summary

Leaking Underground Fuel Tank Program

I. Agency Information

Date: **March 2, 2000**

Agency Name: **Orange County Health Care Agency**	Address: **2009 East Edinger Avenue**
City/State/Zip: **Santa Ana, CA 92705**	Phone: **(714) 667-3600**
Responsible staff person: **James Strozier**	Title: **Hazardous Waste Specialist**

II. Case Information

Site Facility Name: **Dana Point Harbor Patrol**				
Site Facility Address: **25005 Dana Drive, Dana Point, CA**				
RB LUSTIS Case No.:		Local Case No.: **96UT40**	LOP Case No.:	
URF Filing Date:		SWEEPS No.		
Responsible Party		Address		Phone Number
County of Orange		**1143 E. Fruit St., Santa Ana, CA**		**(714) 567-7772**
Bill Grey				

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	**1000**	**Gasoline**	**Removed**	**10-1-96**

III. Release and Site Characterization Information

Cause and type of release: **Unknown**		
Site characterization complete? **Yes**	Date approved by oversight agency: **3-1-00**	
Monitoring wells installed? **Yes**	Number: **2**	Proper screened interval? **Yes**
Highest GW depth BGS: **5.6 ft.**	Lowest depth: **7.1 ft.**	Flow direction: **Unknown**
Most sensitive current use: **Exempted From Municipal Use Designation**		
Are drinking water wells affected? **No**	Aquifer name:	
Is surface water affected? **No**	Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? **Yes**	Where is report(s) filed? **County of Orange**	

Treatment and Disposal of Affected Material

Material	Amount (include Units)	Action (treatment or disposal/destination)	Date
Tank	**1 UST**	**L.A Industrial Service, Los Angeles, CA**	**10-2-96**
Soil	**48 tons**	**TPS, Adelanto, CA**	**11-25-96**
Groundwater			

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

Case#: **96UT40**
Date: **March 2, 2000**

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminan	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (gas)	**9,200**	**9,200**	**<.1**	**<.1**	MTBE	**<.05**	**<.05**	**<.001**	**.012**
Benzene	**<.005**	**<.005**	**.0026**	**<.0003**					
Toluene	**1**	**1**	**.0015**	**<.0003**					
Xylene	**130**	**130**	**.0019**	**<.0005**					
Ethylbenzene	**26**	**26**	**<.0003**	**<.0003**					

Comments (Depth of Remediation, etc.): **The tank was removed during October 1996. Soil contamination was discovered at the bottom of the excavation. The tank excavation was enlarged to accommodate a new tank at this location. 48 tons of soil was removed from the excavation area, but due to the presence of large rocks used to construct the peninsula, the dark black contaminated soil at the bottom of pit was not completely removed. Three soil samples were collected from the enlarged area, which were non-detect for everything. Three hand auger borings were conducted in the vicinity of the tank which also did not detect additional contamination. A monitoring well was also installed in the excavation during the back-filling process, but it was completed tooshallow to contain groundwater. Another well was installed approximately 15 feet from the excavation. Two groundwater samples were collected from this well. Low concentrations of contamination were detected during the first sampling event, but the second sample was non-detect for everything except for 12 ppb MTBE.** **(continued next page)**

IV. Closure

Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **Yes**		
Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? **Yes**		
Does corrective action protect public health for current land use? **Yes**		
Site management requirements: **None**		
Should corrective action be reviewed if land use changes? **No**		
Monitoring wells decommissioned: **No**	Number decommissioned:	Number Retained: **2**
List enforcement actions taken: **None**		
List enforcement actions rescinded:		

V. Local Agency Representative Data

Name: **James Strozier**	Title: **Hazardous Waste Specialist**	
Signature: James Strozier 3-16-00 Karen V. Hood 4/11/00		Date: **3-2-00**

VI. RWQCB Notification

The San Diego Regional Board staff has informed this Agency that they are no longer able to continue to review LOP case closure summaries for UST sites located in basins or portions of basins with no beneficial use designations. (See Regional Board letter dated November 13, 1998)

VII. Additional Comments, Data, etc.

This site is located on a man made peninsula in the middle of Dana Point Harbor. The former tank was located approximately 10 feet from the edge of the sea wall where the ocean/harbor water begins. The peninsula is constructed of large boulders overlain by silty sand. The groundwater depth in the monitoring well appears to be tidally influenced.

The site is located in a groundwater basin that is exempted from the Municipal Use designation by the San Diego Regional Water Quality Control Board.

Based upon the results of the excavation activities and the groundwater monitoring at the site, there does not appear to be a public health, ecological, and/or groundwater threat. Therefore, no additional assessment is warranted and the case may be closed.

C. Qualifications of Environmental Professionals

QUALIFICATIONS AND EXPERIENCE

RBF Consulting, established in 1944, has over 55 years of experience in providing comprehensive land development services. Some, but not all of the services RBF Consulting provides includes:

- Construction Management
- Entitlement/Governmental Processing
- Environmental Services (CEQA/NEPA documents, permitting)
- Feasibility Studies/Due Diligence Reports
- Infrastructure Planning and Design (circulation, water, wastewater, flood control, dry utilities)
- Land Planning (Site Plans, Landscape Architecture, Specific Plans, Master Plans)
- Media Services (video, newsletters, presentation/marketing materials)
- ***Phase I Environmental Site Assessments***
- Site Engineering (Grading, Structures)
- Surveying, Mapping and Aerial Photogrammetry

FOCUS ON: **Phase I Environmental Site Assessments (ESAs).** Phase I ESA's prepared by RBF Consulting reflect the most current interpretations of industry standards which are the American Society for Testing & Materials (ASTM) standards for commercial real estate transactions (E1527-00 and E1528-00). The comprehensive in-house capabilities and professional experience in completing a wide range of projects allows RBF to effectively and efficiently complete Phase I Environmental Site Assessments for any type of property.

RBF REPRESENTATIVE PROJECTS

RBF Consulting's staff is uniquely qualified to effectively manage complex projects. RBF Consulting has prepared Phase I ESAs on vacant, residential, commercial, industrial and federal properties, for a wide range of clients. Our clients include, but are not limited to, the following:

- Avanti Investment Advisors (multiple sites)
- Bardeen Investment Company
- California Department of Transportation (multiple sites)
- City of Bell Gardens (multiple sites)
- City of Lake Elsinore
- City of Lynwood (multiple sites)
- City of Murrietta (multiple sites)
- City of Palm Desert
- City of Rancho Mirage
- City of Temecula
- City of Watsonville
- Community Southwest
- Kemper Real Estate
- Kredit Toronto Corporation (multiple sites)
- Lear Enterprises (multiple sites)
- Midland Properties (multiple sites)

KEY PERSONNEL

Projects are overseen by Mr. Bruce R. Grove Jr., Registered Environmental Assessor/Certified Environmental Inspector (REA/CEI) shall provide the quality assurance/quality control oversight of each Phase I ESA prepared. Document research and preparation will be provided by Mr. Richard Beck and Mr. William T. Rice II.

Bruce R. Grove Jr., REA #06865, CEI #14551
Senior Project Manager/Environmental Assessor-QA/QC, Environmental Services

Mr. Grove graduated from California State University, Chico, with a degree in Geography and Planning. Mr. Grove's professional environmental experience includes the management, review, and preparation of Phase I Environmental Site Assessments (ESAs), Initial Site Assessments (ISAs), and Environmental Baseline Surveys (EBSs) consistent with the American Society of Testing & Materials (ASTM) Standards for sites located throughout California, Nevada, and Arizona. In the past five years Mr. Grove has been involved in the preparation or review of well over 300 assessments. In addition Mr. Grove also serves as Field Analyst for several projects requiring conceptual analysis of flood control issues, including the assessment of existing wetland/habitat areas, opportunities for wetland habitat enhancement, and permit/regulatory services including acquisition of permits from the ACOE (404), CDFG (Streambed Alteration Agreements), and the State Water Quality Control Board (NPDES Dewatering, NPDES Stormwater Runoff, and Water Quality Certification).

Richard Beck
Project Coordinator, Environmental Services

Mr. Beck assists in the preparation of environmental and planning studies for public and private sector clients. As an Environmental Analyst at RBF, Mr. Beck has been involved with 404/401/1600 permit processing, wetland delineation, field studies, permitting in accordance with the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), and Phase I Environmental Site Assessments. In the past two years Mr. Beck has personally evaluated over fifty (50) real properties in the southern California region.