

Final

ENVIRONMENTAL BASELINE SURVEY
FOR THE
PROPOSED LEASE DISPOSAL
AT
MOFFETT FEDERAL AIRFIELD

FOR THE
129TH RESCUE WING
CALIFORNIA AIR NATIONAL GUARD



August 2004

AIR NATIONAL GUARD
ENVIRONMENTAL DIVISION

ACRONYMS AND ABBREVIATIONS

129 RQW	129 th Rescue Wing	JP-4 & JP-8	Jet Propellant Fuel
ACM	Asbestos-Containing Material	LUST	Leaking Underground Storage Tank
AFI	Air Force Instruction	LQG	Large Quantity Generator
AGE	Aerospace Ground Equipment	NASA	National Aeronautics and Space Administration
ANG	Air National Guard	NEPA	National Environmental Policy Act
AST	Aboveground Storage Tank	NMFS	National Marine Fisheries Service
ASTM	American Society for Testing and Materials	NPL	National Priorities List
CAA	Clean Air Act	OWS	Oil/Water Separator(s)
CANG	California Air National Guard	PCB	Polychlorinated Biphenyl
CEQ	Council on Environmental Quality	pCi/L	PicoCuries Per Liter
CEQA	California Environmental Quality Act	PEA	Preliminary Endangerment Assessment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	ppm	Parts Per Million
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System	RCRA	Resource Conservation and Recovery Act
CERFA	Community Environmental Response Facilitation Act	RCRIS	Resource Conservation and Recovery Information System
CFR	Code of Federal Regulations	RWQCB	Regional Water Quality Control Board
CSAR	Combat Search and Rescue	SARA	Superfund Amendment Reauthorization Act
CWA	Clean Water Act	SDWA	Safe Drinking Water Act
°F	Degrees Fahrenheit	SQG	Small Quantity Generator
DoD	Department of Defense	TSCA	Toxic Substances Control Act
EBS	Environmental Baseline Survey	USACE	U.S. Army Corps of Engineers
EDR	Environmental Data Resources, Inc.	USAF	U.S. Air Force
ERP	Environmental Restoration Program	U.S. Navy	U.S. Department of the Navy
ES	Executive Summary	USC	U.S. Code
ESA	Endangered Species Act	USEPA	U.S. Environmental Protection Agency
FIFRA	Federal Insecticide Fungicide and Rodenticide Act	USFWS	U.S. Fish and Wildlife Service
		UST	Underground Storage Tank

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
EXECUTIVE SUMMARY	ES-1
1. INTRODUCTION	1-1
1.1 PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY	1-1
1.2 SCOPE OF THE ENVIRONMENTAL BASELINE SURVEY	1-2
1.3 PROPOSED USE OF PROPERTY	1-2
1.4 BOUNDARIES OF THE PROPERTY AND SURVEY AREA.....	1-6
2. SURVEY METHODOLOGY	2-1
2.1 OVERVIEW OF THE SURVEY PROCESS	2-1
2.2 APPLICABLE REGULATORY REQUIREMENTS	2-1
2.3 APPROACH AND RATIONALE	2-3
2.4 DOCUMENTS REVIEWED	2-3
2.5 PROPERTY INSPECTIONS.....	2-4
2.6 PERSONAL INTERVIEWS	2-5
3. FINDINGS FOR THE SUBJECT PROPERTY	3-1
3.1 HISTORICAL AND CURRENT LAND USE.....	3-1
3.2 ENVIRONMENTAL SETTING	3-3
3.2.1 <i>Climate</i>	3-3
3.2.2 <i>Topography</i>	3-3
3.2.3 <i>Geology and Soils</i>	3-3
3.2.4 <i>Surface Water</i>	3-4
3.2.5 <i>Groundwater</i>	3-4
3.3 HAZARDOUS SUBSTANCES	3-4
3.3.1 <i>Hazardous Materials and Petroleum Products</i>	3-4
3.3.2 <i>Hazardous and Petroleum Wastes</i>	3-5
3.3.3 <i>Environmental Restoration Program Sites</i>	3-6
3.3.4 <i>Storage Tanks and Pipelines</i>	3-9
3.3.5 <i>Oil/Water Separators</i>	3-9
3.3.6 <i>Pesticides</i>	3-9
3.3.7 <i>Medical/Biohazardous Waste</i>	3-10
3.3.8 <i>Ordnance</i>	3-10
3.3.9 <i>Radioactive Waste</i>	3-10
3.3.10 <i>Solid Waste</i>	3-10
3.3.11 <i>Wastewater Treatment, Collection, and Discharge</i>	3-10
3.4 DISCLOSURE ITEMS	3-10
3.4.1 <i>Drinking Water Quality</i>	3-11

3.4.2	<i>Asbestos</i>	3-11
3.4.3	<i>Polychlorinated Biphenyls</i>	3-12
3.4.4	<i>Radon</i>	3-12
3.4.5	<i>Lead-based Paint</i>	3-13
3.4.6	<i>Historical and Cultural Resources</i>	3-13
3.4.7	<i>Natural Resources</i>	3-14
4.	FINDINGS FOR ADJACENT PROPERTIES.....	4-1
4.1	HISTORICAL AND CURRENT LAND USE.....	4-1
4.2	SURVEYED PROPERTIES.....	4-3
4.2.1	<i>Hazardous Materials and Petroleum Products</i>	4-4
4.2.2	<i>Hazardous and Petroleum Wastes</i>	4-4
4.2.3	<i>Environmental Restoration Program Sites</i>	4-4
4.2.4	<i>Storage Tanks and Pipelines</i>	4-5
4.2.5	<i>National Priority List Sites</i>	4-5
5.	REGULATORY COMPLIANCE ISSUES.....	5-1
5.1	COMPLIANCE AND LIABILITY ISSUES.....	5-1
5.2	CORRECTIVE ACTIONS.....	5-1
6.	CONCLUSIONS.....	6-1
6.1	FACILITY MATRIX.....	6-1
6.2	PROPERTY CATEGORIES AND RESOURCES.....	6-1
6.3	DATA GAPS.....	6-3
7.	RECOMMENDATIONS.....	7-1
7.1	IDENTIFIED ISSUES.....	7-1
7.2	RECOMMENDATIONS.....	7-1
8.	CERTIFICATIONS.....	8-1
8.1	CERTIFICATION OF THE ENVIRONMENTAL BASELINE SURVEY.....	8-1
8.2	CERTIFICATION OF CONTAMINATION.....	8-1
8.3	CERTIFICATION OF POLYCHLORINATED BIPHENYLS CLEARANCE.....	8-2

APPENDICES

<u>APPENDIX</u>	<u>PAGE</u>
A Glossary of Terms	A-1
B References.....	B-1
C Historical Aerial Photographs and Site Photographs.....	C-1
D Federal and State Database Search and Chain-of-Title Report	D-1
E Interview Forms	E-1
F Building Inspection Forms.....	F-1
G List of Preparers.....	G-1

LIST OF TABLES

<u>TABLE</u>	<u>PAGE</u>
2-1 Regulatory Requirements Applicable to Environmental Baseline Surveys	2-2
2-2 Summary of Aerial Photographs Reviewed	2-4
2-3 List of Individuals Interviewed.....	2-5
3-1 Description of Buildings Proposed for Lease Disposal by the 129 RQW.....	3-2
3-2 ERP Sites within the Lease Disposal Area.....	3-7
3-3 Underground Storage Tanks and Aboveground Storage Tanks Formerly located Near Facilities Proposed for Lease Disposal by the 129 RQW	3-9
3-4 Summary of Asbestos Locations at the Proposed Lease Area	3-12
4-1 Results from Federal and State Database Search	4-3
6-1 Facility Matrix of the Disposal Buildings at Moffett Federal Airfield.....	6-1
6-2 General EBS Property Classification Categories	6-3

LIST OF FIGURES

<u>FIGURE</u>	<u>PAGE</u>
1-1 Regional Location Map, Moffett Federal Airfield, Mountain View, California.....	1-3
1-2 Moffett Federal Airfield	1-4
1-3 129 RQW Proposed Properties for Lease Disposal at Moffett Federal Airfield.....	1-5
3-1 ERP Sites in the Vicinity of the Lease Disposal Area at Moffett Federal Airfield.....	3-8
4-1 Properties Adjacent to the 129 RQW Lease Disposal Area	4-2

This page intentionally left blank

EXECUTIVE SUMMARY

This Environmental Baseline Survey (EBS) has been prepared in accordance with Air Force Instruction 32-7066 and Air National Guard (ANG) guidance. An EBS is a study of the environmental conditions of real property prior to a real estate transaction; these conditions are identified through a records search, site inspection, interviews (Phase I), and, if necessary, sampling (Phase II). The 129th Rescue Wing (129 RQW) of the California Air National Guard (CANG) is proposing to relocate its operations from Moffett Federal Airfield, California. This EBS involves the property disposal of a 141-acre area which is currently used as the CANG 129 RQW installation. The EBS process has been initiated by ANG to satisfy U.S. Air Force (USAF) requirements prior to land disposal.

The proposed lease disposal at Moffett Federal Airfield (owned by the National Aeronautics and Space Administration [NASA] and the U.S. Army Corps of Engineers [USACE]) is located at the southern end of San Francisco Bay, 32 miles south of San Francisco and 10 miles north of San Jose. The 2,354-acre facility, located in Santa Clara County, abuts the City of Sunnyvale to the east and the City of Mountain View to the west and south. The 129 RQW occupies seven parcels at Moffett Federal Airfield, with most operations occurring on five parcels comprising 141 acres on the east side of the installation. One of the seven parcels is owned by the USACE.

The proposed lease disposal property is classified as a Category 5 Property (*Remedial or Other Action Underway*), as there are four Environmental Restoration Program (ERP) sites currently undergoing investigation or remediation activities near buildings currently leased by the 129 RQW. In addition, Moffett Federal Airfield is listed on the final National Priorities List under the Comprehensive Environmental Response, Compensation, and Liability Act Superfund program. Remediation of existing ERP sites remains the responsibility of the U.S. Department of the Navy, even though custody of the installation has been transferred to NASA and USACE and portions leased to the 129 RQW.

Based upon a review of past and current activities at the proposed lease disposal property, no active noncompliance issues were identified in comparison with Federal regulations that govern environmental protection and restoration.

With the exception of ongoing ERP remediation activities and the presence of asbestos and lead-based paint within existing structures, no other issues of potential concern have been identified as a result of document reviews, interviews, and visual surveys conducted for this EBS.

This page intentionally left blank

1. INTRODUCTION

1.1 PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY

This Environmental Baseline Survey (EBS) has been prepared by the Air National Guard (ANG) in accordance with Air Force Instruction (AFI) 32-7066, *Environmental Baseline Surveys in Real Estate Transactions*, and the commercial guidelines of the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Designation E 1527-00). Property category codes used in the preparation of this EBS are consistent with U.S. Air Force (USAF) use of EBS property categorization codes (USAF 1999).

An EBS is a study of the environmental conditions of real property as obtained through a records review, site visit, interviews (Phase I), and if necessary, sampling (Phase II). A site-specific EBS is used for the following purposes:

- to acquire information for a transaction on a specific parcel of real property;
- to obtain site-specific information regarding possible contamination of the parcel;
- to acquire additional information to reduce the risk of unknown factors; and
- to fulfill regulatory requirements.

The EBS must also define potential environmental contamination liabilities associated with the subject property and, if necessary, try to determine possible effects on property value from contamination located on, or adjacent to, the subject property. Specific ANG guidance for preparation of the EBS is described in Section 2, Survey Methodology. Section 3 presents the findings of the EBS for the subject property, while Section 4 presents findings for adjacent properties. Section 5 discusses applicable regulatory compliance issues, and Sections 6 and 7 provide the conclusions and recommendations of the EBS, respectively. Certification of the EBS is included in Section 8.

Appendix A contains the glossary of terms used in this document and their definitions. Appendix B lists the references that were used in preparing this report. Appendix C includes historical aerial photographs and a photographic record of the site survey. The Federal and State environmental database search information and a copy of the Chain-of-Title Report for the subject property are provided in Appendix D. The interview forms and building surveys are included in Appendix E and Appendix F, respectively. Appendix G lists the preparers of this document.

1.2 SCOPE OF THE ENVIRONMENTAL BASELINE SURVEY

The scope of this EBS consists of the following:

- A site visit and data collection effort. The site visit included:
 - (a) a thorough walk-through of the proposed lease disposal area,
 - (b) interviews with California Air National Guard (CANG) and National Aeronautics and Space Administration (NASA) representatives,
 - (c) a review of aerial photographs,
 - (d) a review of historical and current maps, and
 - (e) telephone contacts with relevant State and local agencies.
- A comprehensive records review, including site photographs, site-specific databases of hazardous waste activities, underground storage tanks (USTs) and piping, polychlorinated biphenyls (PCBs), reported spills, notices of violation, sites regulated by the U.S. Environmental Protection Agency (USEPA), and other similar records. Databases reviewed in this search included: the National Priorities List (NPL); Resource Conservation and Recovery Information System (RCRIS); and Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS).
- An evaluation of the environmental condition of the subject property and development of recommendations for ANG.

1.3 PROPOSED USE OF PROPERTY

Moffett Federal Airfield is located at the southern end of San Francisco Bay, 32 miles south of San Francisco and 10 miles north of San Jose (Figure 1-1). The 2,354-acre facility, located in Santa Clara County, abuts the City of Sunnyvale to the south and the City of Mountain View to the west. The 129 RQW occupies seven parcels at Moffett Federal Airfield, with most operations occurring on five parcels comprising 141 acres on the east side of the installation (Figure 1-2). One of the seven parcels is owned by the U.S. Army Corps of Engineers (USACE).

NASA currently assumes authority of Moffett Federal Airfield and is one of the agencies with which the CANG would dispose of its lease and license of the property currently used by the 129th Rescue Wing (129 RQW). The other agency is the USACE, who is the owner of Moffett Community Housing, which includes property on which Building 685 (Medical Squadron) is located.

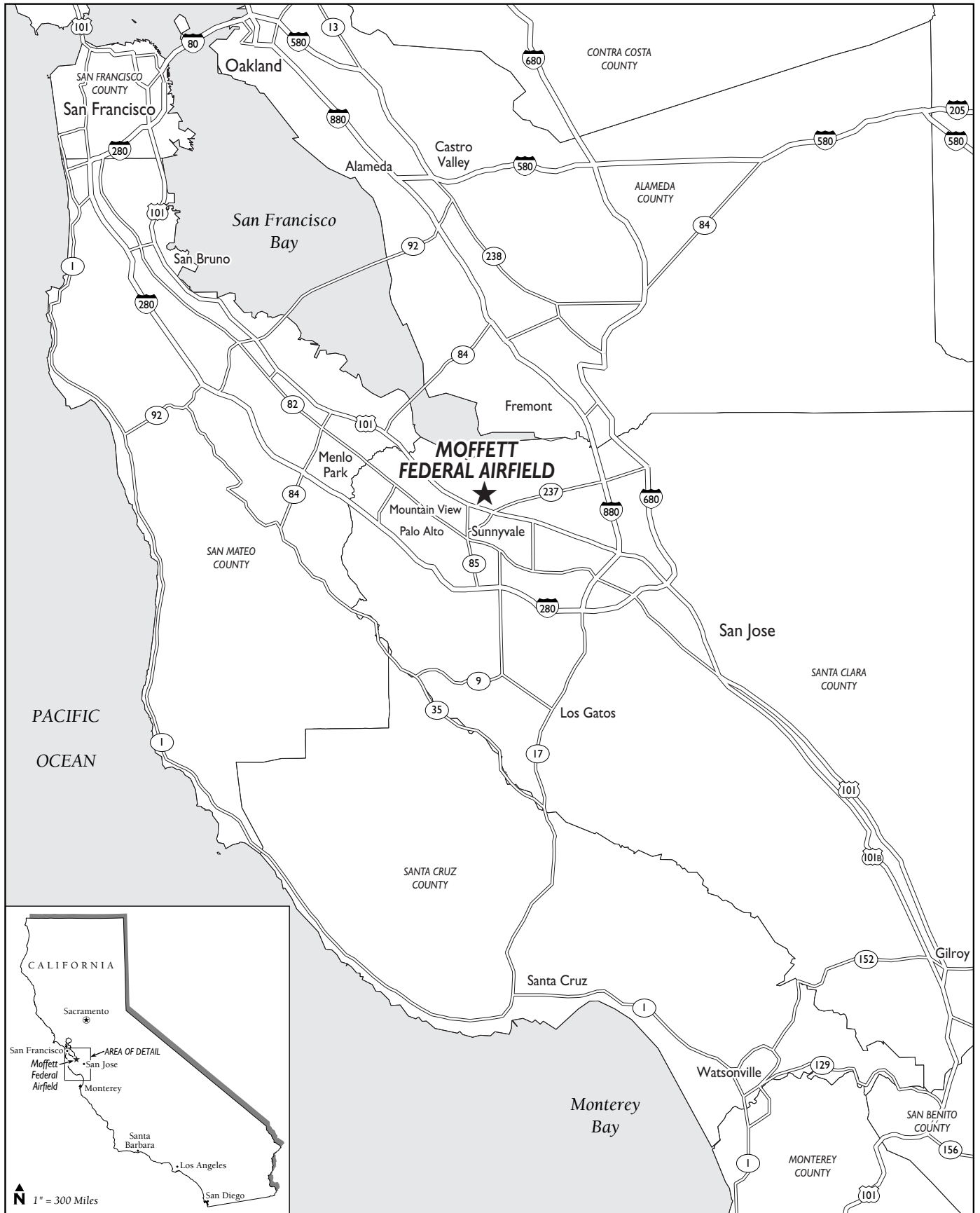
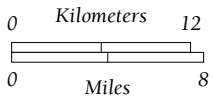


Figure 1-1
 Regional Location Map
 Moffett Federal Airfield, Mountain View, California



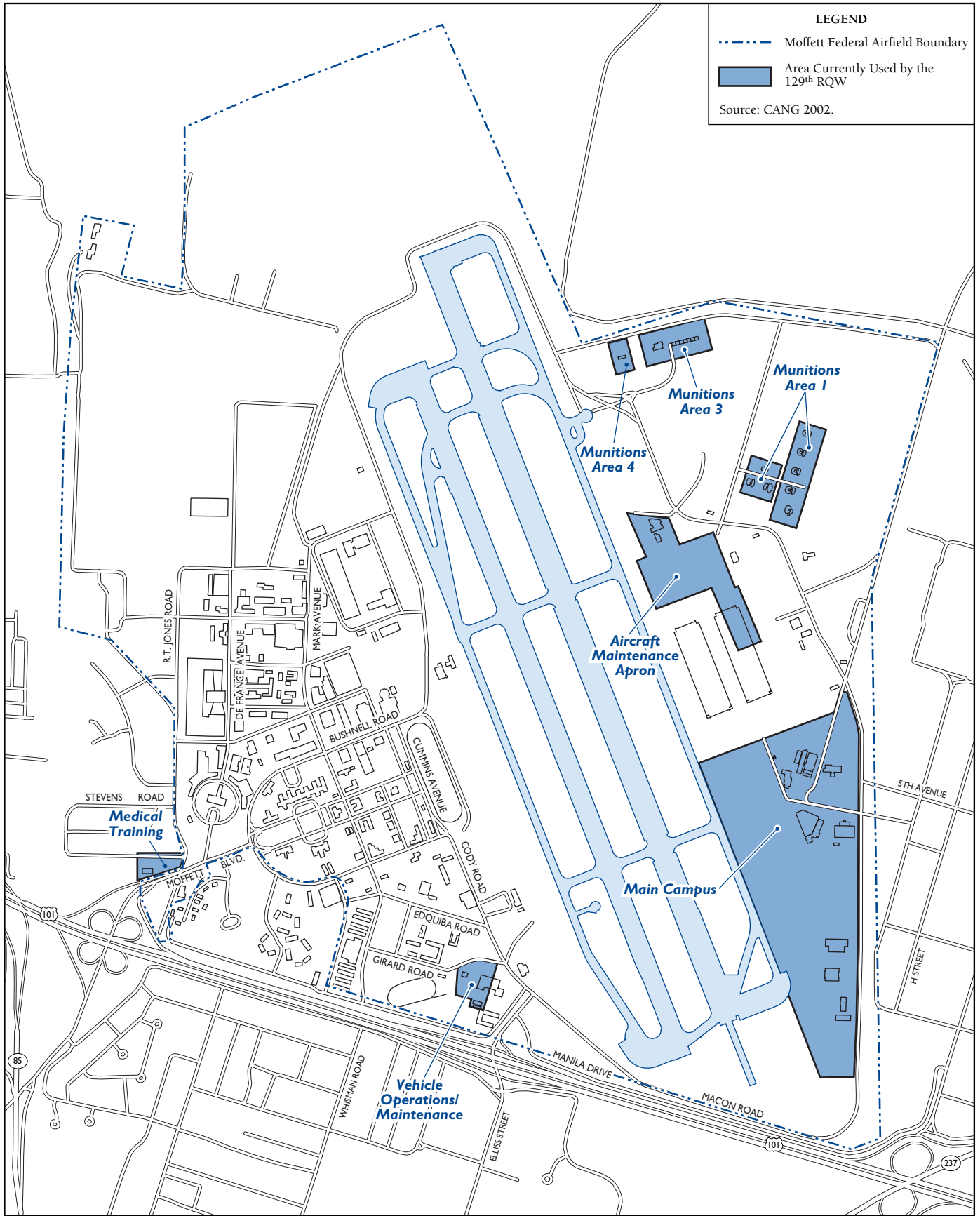
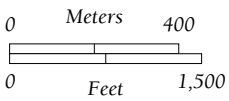
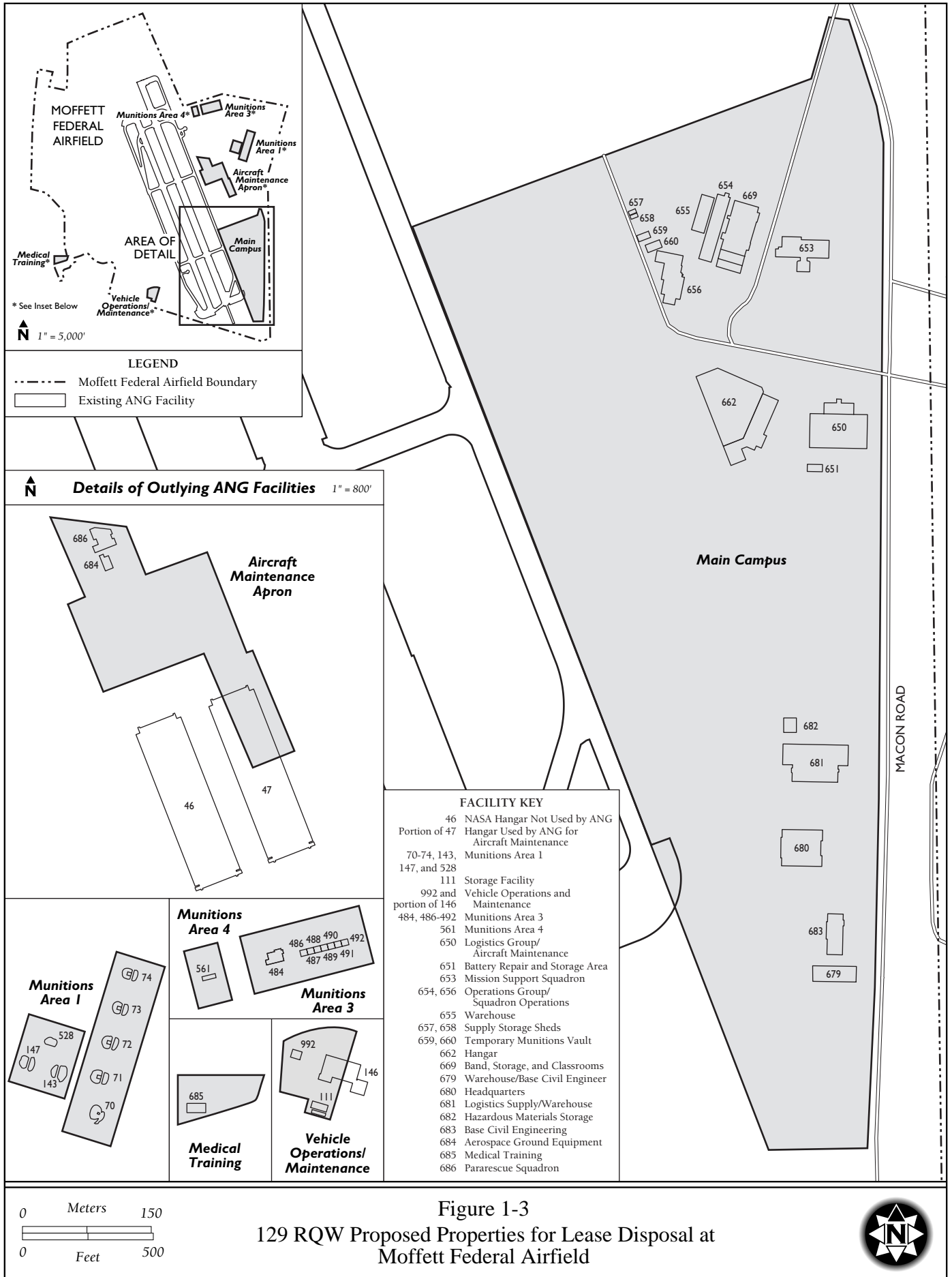


Figure 1-2
Moffett Federal Airfield





1.4 BOUNDARIES OF THE PROPERTY AND SURVEY AREA

The 141-acre area proposed for lease disposal is divided into five sites for legal purposes. The legal descriptions for the proposed lease disposal properties are as follows:

- **Site 1:** Beginning at the Point of Beginning, southeasterly corner of the Moffett Federal Air Field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 953.92 feet; Thence North 89°02'55" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 125.34 feet to the True Point of Beginning. Thence North 89°56'22" West 357.92 feet; Thence North 21°20'47" West 3,689.51 feet; Thence North 68°41'58" East 1,634.27 feet; Thence North 15°52'20" East 148.60 feet; Thence North 19°55'28" East 20.04 feet; Thence South 67°40'58" East 30.91 feet; Thence South 21°01'36" East 345.49 feet, Thence through a curve to the right having a radius 550.00 feet, length 210.62 feet, through a central angle of 21°56'28", Thence South 00°54'52" West 3,652.35 feet to the True Point of Beginning, containing approximately 96.93 acres.
- **Site 2:** Beginning at Point of Beginning, the Southeasterly corner of the Moffett Federal Air field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 6,274.58 feet; Thence continuing along the Easterly property line of Moffett Federal Air Field North 16°16'55" East 1,622.82 feet; Thence North 73°43'05" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 2,869.65 feet to the True Point of Beginning. Thence North 550206 West 46.00 feet; Thence through a nontangential curve to the left with a radial bearing of North 57°45'03" West having radius 181.00 feet, length 142.98 feet, through a central angle of 45°15'38"; Thence South 76°19'11" West 196.93 feet; Thence North 58°33'37" West 167.20 feet; Thence North 13°59'18" West 214.25 feet; Thence North 34°49'28" East 111.67 feet; Thence North 76°07'55" East 728.67 feet; Thence South 57°39'13" East 148.81 feet; Thence South 13°54'57" East 152.28 feet; Thence South 18°41'52" West 175.66 feet; thence South 76°08'58" West 435.74 feet; Thence through a nontangential curve to the right with a radial bearing of South 78°49'46" West having radius of 338.00 feet, length 97.06 feet, through a central angle of 16°27'13"; Thence North 86°35'17" West 14.75 feet; Thence through a curve to the left, having radius 12.00 feet, length of 16.75 feet, through a central angle of 79°59'43"; Thence through a curve to the right having radius 250.00 feet, length of 82.30 feet, through a central angle of 18°51'45" to the True Point of Beginning, containing approximately 8.27 acres.
- **Site 2A:** Beginning at the Point of Beginning, the Southeasterly corner of the Moffett Federal Air Field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 6,274.58 feet; Thence North 16°16'55" East 543.57 feet; Thence North

73°43'05" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 1,114.90 feet to the True Point of Beginning. Thence North 70°18'07" West 107.46 feet; Thence North 60°34'38" West 402.85 feet; Thence North 36°25'57" West 274.06 feet; Thence North 17°48'20" East 88.36 feet; Thence South 76°18'29" East 92.82 feet; Thence North 50°45'56" East 827.99 feet; Thence South 72°53'37" East 154.78 feet; Thence South 16°20'16" West 1,036.81 feet to the True Point of Beginning, containing approximately 10.57 acres.

- **Site 5:** Beginning at the Point of Beginning, the Northwest corner of the Ellis Street Right of Way, Thence North 50°34'17" West 1703 feet to the True Point of Beginning. Thence South 39°25'43" West 89.57 feet; Thence North 73°39'58" West 310.38 feet; Thence North 32°19'14" West 60.29 feet; Thence North 73°34'47" West 115.16 feet; Thence North 16°01'36" East 50.96 feet; Thence North 73°58'24" West 205.49 feet; Thence through a nontangential curve to the right with a radial bearing of North 86°47'39" East, having radius 840.00 feet, length 296.58 feet, through a central angle of 20°13'46"; Thence North 67°38'43" East 111.57 feet; Thence through a curve to the right having radius 532.00 feet, length 410.84 feet, through a central angle of 44°14'50"; Thence through a curve to the right having radius 160.00 feet, length 82.20 feet, through a central angle of 29°26'14"; Thence South 38°40'13" East 133.72 feet; Thence South 43°14'28" East 47.23 feet; Thence South 14°17'19" West 248.90 feet; Thence South 42°53'27" East 91.14 feet; Thence South 39°25'43" West 63.45 feet to the True Point of Beginning, containing approximately 7.70 acres.
- **Site 8:** Beginning at Point of Beginning, the Southeasterly corner of the Moffett Federal Air Field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 5,923.78 feet; Thence North 89°02'55" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 1,238.95 feet to the True Point of Beginning. Thence South 68°38'54" West 504.22 feet; Thence North 21°21'06" West 631.35 feet; Thence South 68°39'31" West 607.05 feet; Thence North 21°19'26" West 500.80 feet; Thence North 68°41'44" East 188.99 feet; Thence North 21°21'20" West 447.58 feet; Thence South 83°43'57" East 194.27 feet; Thence through a nontangential curve to the left with a radial bearing of North 10°01'32" East, having radius 252.00 feet, length 108.07 feet, through a central angle of 24°34'13", Thence South 21°08'11" East 322.67 feet; Thence North 68°41'44" East 434.87 feet; Thence South 21°03'40" East 769.14 feet; Thence North 68°38'54" East 119.84 feet; Thence South 21°21'06" East 362.39 feet to the True Point of Beginning, containing approximately 17.79 acres.

This page intentionally left blank

2. SURVEY METHODOLOGY

2.1 OVERVIEW OF THE SURVEY PROCESS

Property category codes used in the preparation of this EBS are consistent with USAF use of EBS property categorization codes (USAF 1999). The EBS achieves the following:

- Determines the condition of real property to be acquired, transferred, leased, sold, or otherwise conveyed under the provisions of USAF Real Estate Instructions AFI 32-9001, *Disposal of Real Property*; AFI 32-9003, *Acquisition of Real Property*; AFI 32-9004, *Granting Temporary Use of Real Property*; or other authority.
- Documents the nature, magnitude, and extent of any environmental contamination of property considered for acquisition or transfer, lease, sale, or any other disposition (sufficient information must be developed to assess health and safety risks to ensure adequate protection of human health and the environment, as well as possible effects on property value from contamination discovered on site).
- Defines potential environmental contamination liabilities associated with the subject property and satisfies the requirement for environmental due diligence under the Innocent Land Owners Defense clause of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). To qualify for the Innocent Land Owners Defense, the party to the real estate transaction must provide proof of due diligence.
- Provides a basis for a notice of the type, quantity, and time frame of any storage, release, or disposal of a hazardous substance on the property under Section 120(h)(1) of CERCLA.

2.2 APPLICABLE REGULATORY REQUIREMENTS

ANG must comply with all provisions of Federal, State, and local laws and regulations applicable to the proposed transaction. In addition, all U.S. Department of Defense (DoD), USAF, and ANG regulations, instructions, and policies must be met. Federal and State environmental laws and regulations that apply to the EBS process are described in Table 2-1. This table contains a brief description of what are generally considered to be the most important of the modern Federal and State of California environmental statutes.

Table 2-1. Regulatory Requirements Applicable to Environmental Baseline Surveys

Law/Regulation	Description
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)	Federal. Series of programs to document and prevent releases of contaminants into the environment. Section 120 of CERCLA addresses past, present, and threatened releases of hazardous substances, pollutants, and contaminants which “may pose an imminent and substantial threat to the public health or welfare,” as well as notification and response procedures for these releases. The Superfund Amendment Reauthorization Act (SARA), 1996 funded the reauthorization of CERCLA, and gave the U.S. Environmental Protection Agency (USEPA) the authority to seek out responsible parties to any release of hazardous waste and assure their cooperation in cleanup. SARA provides a framework for emergency planning and requires hazardous materials inventories to be provided to the public.
Community Environmental Response Facilitation Act (CERFA) of 1992	Federal. The CERFA of (Pub. L. 102-426, October 19, 1992) amended CERCLA provisions dealing with Federal activities on any real property owned by the government. It requires the Federal government to identify those parts of that real property where no hazardous substance had been stored, released, or disposed of. This identification expedites the sale of excess property, allowing uncontaminated property to be sold before cleanup of the whole facility is completed. The prompt identification of property that will not require environmental remediation is intended to facilitate the transfer of such property for economic redevelopment purposes. Section 4 of CERFA amends Section 120(h)(3) of CERCLA to clarify the extent of remedial action necessary to protect human health and the environment on property where hazardous substances were stored, disposed of, or released. Remedial action necessary to protect human health and the environment is deemed to have been taken if the construction and installation of an approved remedial design has been completed and the remedy has been demonstrated to USEPA to be operating properly and successfully.
Resource Conservation and Recovery Act (RCRA)	Federal. Establishes a framework for managing solid wastes, including procedures for responding to releases of hazardous wastes or hazardous constituents in all media. Subtitle C of RCRA establishes a cradle-to-grave management system to regulate hazardous waste from moment of generation to disposal, Subtitle D of RCRA establishes non-hazardous solid waste management practices to promote sound disposal methods and reuse of recoverable resources, and Subtitle I of RCRA regulates underground storage tanks that contain petroleum products and substances defined as hazardous by CERCLA. The California equivalent of RCRA can be found in the California Code of Regulations, Title 22.
Toxic Substances Control Act (TSCA)	Federal. TSCA was enacted to test, regulate, and screen all chemicals produced or imported into the U.S. It establishes specific regulations for existing and new chemical substances and mixtures, which include polychlorinated biphenyls (PCBs) and asbestos (as well as the disposal of toxic substances such as PCBs and asbestos).
Clean Water Act (CWA)	Federal. The CWA regulates point source and non-point source discharge into surface waters and establishes criteria and standards to protect water quality and national performance standards. The 1977 amendments established the National Pollution Discharge Elimination System. This act was updated in 1990 to include Storm Water Pollution Prevention Plans for new construction sites over 5 acres and for industrial sites whose activities may cause contamination to runoff the site into stormwater collection systems. In California , the Porter Cologne Act established the Water Resources Control Board and the Regional Water Quality Control Board to oversee use and to prevent misuse of the “waters of the State.”
Safe Drinking Water Act (SDWA)	Federal. The SDWA requires the USEPA to establish regulations to protect human health from contaminants in drinking water through health-based (primary) and aesthetic quality (secondary) standards. The act also established guidelines for protecting groundwater. The California version of SDWA was adopted as Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986, which applies to any manufacturer that distributes goods to California. The act requires business to post a clear and reasonable warning prior to knowingly and intentionally exposing a person to a listed chemical within 12 months of listing, with exemptions. The act also strives to eliminate knowing discharges of any listed chemical to a potential source of drinking water within 20 months of listing, with exemptions.
National Environmental Policy Act (NEPA)	Federal. Requires Federal agencies to consider the potential environmental consequences of proposed actions in their decision-making process. The intent of NEPA is to protect, restore, or enhance the environment through well-informed planning at the national level. The Council on Environmental Quality (CEQ) was established under NEPA to implement and oversee Federal policy in this process. The CEQ subsequently issued the Regulations for Implementing the Procedural Provisions of NEPA (40 Code of Federal Regulations [CFR] §§ 1500-1508) (CEQ 1978). The California equivalent of NEPA is CEQA.
Clean Air Act (CAA)	Federal. Establishes Federal policy to protect and enhance the quality of the nation’s air resources to protect human health and the environment. The CAA requires that adequate steps be taken to control the release of air pollutants and prevent significant deterioration in air quality. The 1990 amendments to the CAA require Federal agencies to determine the conformity of proposed actions with respect to State Implementation Plans for attainment of air quality goals.
Endangered Species Act (ESA)	Federal. The ESA provides a program for the conservation of threatened and endangered plants and animals and the habitats in which they are found. The U.S. Fish and Wildlife Service maintains the endangered species list. The law prohibits any action that results in a “taking” of a listed species or adversely affects habitat, and prohibits the import, export, interstate and foreign commerce of listed species.
Federal Insecticide Fungicide and Rodenticide Act (FIFRA)	Federal. The primary focus of FIFRA was to provide Federal control of pesticide distribution, sale, and use. FIFRA gave the USEPA authority to study the consequences of pesticide use. All pesticides used in the U.S. must be registered by the USEPA, which dictates that pesticides will be properly labeled and will not cause unreasonable harm to the environment.

2.3 APPROACH AND RATIONALE

The EBS team used the following approach to survey the proposed lease disposal site:

- reviewed readily available documents from Federal, State, and local sources;
- conducted a visual review of the site and accessible adjacent properties; and
- interviewed persons knowledgeable about the property, including the owner/operator and Federal, State, and local authorities.

2.4 DOCUMENTS REVIEWED

The EBS team examined the available documents from Moffett Federal Airfield that contained information on the environmental condition of the property. These included previous basewide EBSs, Environmental Restoration Program (ERP) documents, Reuse Planning Documents, and National Environmental Policy Act (NEPA) documentation. A complete list of the documents used to prepare this survey is provided in Appendix B.

Documents from Federal, State, and local regulatory agencies also were examined to gather background information on the property and surrounding areas. Historical aerial photographs reviewed are listed in Table 2-2, and copies of the aerial photographs are provided in Appendix C. In addition, Federal and State environmental databases (e.g., leaking underground storage tank [LUST] lists, emergency spill response reports, and hazardous waste generation files) were searched to determine which sites in the surrounding area have the potential to affect the proposed lease disposal property. A list of the Federal and State environmental databases searched is provided in the Environmental Data Resources, Inc. (EDR) Radius Map with GeoCheck for Moffett Federal Airfield in Appendix D.

Table 2-2. Summary of Aerial Photographs Reviewed

Date of Photography	Scale	Prepared by	Details Observed
1939	1"=555'	Environmental Data Resources, Inc (EDR)	The future location of Moffett Federal Airfield consists primarily of agricultural land. The beginning stages of runway construction are visible.
1956	1"=833'	EDR	Moffett Federal Airfield shows development as a military base. Several airplanes are visible on the tarmac. Hangars 1, 2, and 3 are visible. Adjacent properties are primarily undeveloped agricultural land.
1965	1"=333'	EDR	Close up view of the runway and tarmac area. Several airplanes are visible on the tarmac.
1982	1"=690'	EDR	More development is present at Moffett Federal Airfield and within adjacent properties. There is an increase in aircraft present on the tarmacs than in previous photographs.
1994	1"=666'	EDR	There is less aircraft present on the tarmac areas than in the 1982 photograph. Development of Moffett Federal Airfield appears similar to the 1982 photograph. Adjacent properties are primarily developed.

2.5 PROPERTY INSPECTIONS

The proposed lease disposal site was visually inspected on December 2-3, 2002 to identify visible evidence of potential environmental contamination. The lease disposal area is a mix of open airfield space, occupied administrative facilities, aircraft maintenance facilities, and airfield support areas. Specifically, the EBS team looked for evidence of previous contamination such as:

- stained surface soils or distressed vegetation;
- disturbed surface soils or reclaimed areas;
- pools of liquid, residues, discarded containers;
- electrical equipment such as transformers and capacitors;
- USTs, aboveground storage tanks (ASTs), piping, sumps, or other types of impoundment structures;
- abandoned structures and associated utilities; and
- drainage structures and direction of stormwater runoff on the proposed lease site and adjacent areas.

The survey involved visually inspecting the 129 RQW structures proposed for disposal. Personnel from the 129 RQW led the EBS team through each building determined to have the potential for hazardous materials storage or use. These individuals provided information on building history, hazardous substance storage, and previous releases. The building inspection notes for these buildings are provided in Appendix F.

Adjacent properties were also visually inspected on the same dates. In addition, properties within a one-mile radius of the installation that were listed in the Federal and State environmental databases were visually surveyed to determine their potential effect on the property. A complete set of site photographs is provided in Appendix C.

2.6 PERSONAL INTERVIEWS

The EBS team interviewed personnel from the 129 RQW and NASA regarding environmental issues at Moffett Federal Airfield (Table 2-3). The EBS team conducted detailed interviews with select personnel. Their individual responses to a questionnaire that was provided during the site inspection are included in Appendix E.

Table 2-3. List of Individuals Interviewed

Name	Title and/or Building Location	Organization / Telephone No.
Thomas Anderson	Senior Environmental Compliance Specialist	PAI Corporation, NASA Ames Research Center (650) 604-0296
Lt. Col. Angela Alexander ¹	Base Civil Engineer	CANG 129 RQW (650) 603-9208
CMSgt Charles Brown ¹	Environmental Technician	CANG 129 RQW (650) 603-9227
Donald Chuck	Manager, Restoration and Subsurface Programs	NASA Ames Research Center (650) 604-0237
Major Reuben Sendejas ¹	Environmental Manager	CANG 129 RQW (650) 603-9722
Diane Shelandar	Environmental Compliance Manager	NASA Ames Research Center (650) 604-0921

Note: ¹ These individuals questionnaire responses are included in Appendix E.

This page intentionally left blank

3. FINDINGS FOR THE SUBJECT PROPERTY

3.1 HISTORICAL AND CURRENT LAND USE

The site history for Naval Air Station Moffett Field was obtained through review of lease documents, environmental planning documents, and employee interviews.

In April 1955, the 129th Air Resupply Group was activated at Hayward Airport, California. Although the mission remained the same, the unit underwent three name changes and several aircraft conversions between its initial activation and April 1975. In April 1975, the 129th Air Resupply Group received a new mission, designation, and Air Force Command. Shortly afterward, the 129th Air Resupply Group also changed aircraft and its operating base. The 129th Air Resupply Group became the 129th Aerospace Rescue and Recovery Group and in 1984 completed its programmed move to Moffett Field, California. In October 1989, the 129th Aerospace Rescue and Recovery Group was designated as the 129th Air Rescue Group and began converting from the HH-3E “Jolly Green Giant” helicopter to the HH-60G “Pave Hawk” helicopter; the conversion was complete in 1991. In March 1992, the name was shortened to the 129th Rescue Group, and in June 1992 it became the 129th Rescue Wing. In July 1994, the Naval Air Station at Moffett Field was officially transferred from the U.S. Department of the Navy (U.S. Navy) to NASA, which is now the host organization at Moffett Federal Airfield.

Today the 129 RQW continues to conduct combat search and rescue (CSAR) operations on a global scale. The overall mission of the 129 RQW is to provide a trained and equipped rescue force able to respond to and sustain the State and Federal missions, described below.

- Federal Mission: 1) to provide manpower, material, and equipment resources to conduct CSAR operations on a worldwide basis; and 2) to provide manpower, material, and equipment to conduct and complete peacetime search operations.
- State Mission (CANG): to furnish trained personnel to respond to State emergencies, such as natural disasters, and to assist civil authorities in the enforcement of the law.

Moffett Federal Airfield currently consists of approximately 2,354 acres of land in Santa Clara County. The 141-acre area and buildings proposed for lease disposal are shown in Figure 1-3 and summarized in Table 3-1. Many of these structures are described in the building surveys (see Appendix F) and shown in site photographs included in Appendix C.

Table 3-1. Description of Buildings Proposed for Lease Disposal by the 129 RQW

On Real Property	Building Number	Description of Previous Use	Area (square feet)	Year of Construction
Yes	47	Portion of Hangar 3 used by the CANG for Aircraft Maintenance	87,388	1942
Yes	70	Munitions Area 1	192	1943
Yes	71	Munitions Area 1	546	1943
Yes	72	Munitions Area 1	625	1943
Yes	73	Munitions Area 1	546	1943
Yes	74	Munitions Area 1	546	1943
Yes	111	Storage Facility near Building 146	4,650	1944
Yes	143	Munitions Area 1	567	1943
Yes	146	Vehicle Operations and Maintenance	17,515	1982
Yes	147	Munitions Area 1	567	1951
Yes	484	Munitions Area 3	1,200	1956
Yes	486	Munitions Area 3	780	1965
Yes	487	Munitions Area 3	780	1965
Yes	488	Munitions Area 3	780	1965
Yes	489	Munitions Area 3	780	1965
Yes	490	Munitions Area 3	780	1965
Yes	491	Munitions Area 3	780	1965
Yes	492	Munitions Area 3	780	1965
Yes	528	Munitions Area 1	400	1951
Yes	561	Munitions Area 4	2160	1976
Yes	650	Logistics Maintenance	34,092	1975
Yes	651	Battery Repair and Storage Area	760	1954
Yes	653	Mission Support Squadron	16,607	1984
Yes	654	Squadron Operations	13,000	1969
Yes	655	Warehouse	4,820	1945
Yes	656	Squadron Operations	12,703	1971
Yes	657	Supply and Storage Shed	401	1955
Yes	658	Supply and Storage Shed	401	1955
Yes	659	Temporary Munitions Vault	364	1956
Yes	660	Temporary Munitions Vault	364	1956
Yes	661	Temporary Munitions Vault	401	1954
Yes	662	Hangar	62,000	2002
Yes	669	Band, Storage, Classrooms	10,000	1943
Yes	679	Warehouse/Base Civil Engineer	10,080	1994
Yes	680	Headquarters	18,720	1980
Yes	681	Logistics Supply/Warehouse	30,720	1980
Yes	682	Hazardous Materials Storage	796	1980
Yes	683	Base Civil Engineering	9,180	1980
Yes	684	Aerospace Ground Equipment	4,330	1984
Yes	685	Medical Training	5,800	1984
Yes	686	Pararescue Squadron	11,822	1984
Yes	992	Vehicle Operations and Maintenance	2,400	1957

All land utilized by the 129 RQW at Moffett Federal Airfield is described in the *Permit for Use of Federal Real Property Between NASA and the USAF*, September 1997, and the *Memorandum of Agreement* to be signed between the U.S. Air Force and the USACE for occupation of Building 685 on U.S. Army property. Records were researched at the Santa Clara County Records and Assessors Office back to 1940. The current owner of the subject property is the United States of America. However, no conveyances of record were found conveying title to the property to the United States of America. Based on the Chain of Title research, it appears the United States of America acquired title to the property prior to 1940. A historical Chain-of-Title for the property is provided in Appendix D (EDR 2003a).

3.2 ENVIRONMENTAL SETTING

The following sections describe the environmental setting of Moffett Federal Airfield and include information on climate, topography, geology, soils, surface water, and groundwater.

3.2.1 Climate

At an elevation just above sea level and adjacent to the moderating influence of San Francisco Bay and the nearby Pacific Ocean, the climate of Moffett Federal Airfield is characterized by warm dry summers and cool, moist winters. During the warmer months of the year (normally May through October) the airfield is subject to morning and evening low clouds and fog with primarily sunny conditions occurring during the day. The majority of the annual average of 13.5 inches of rainfall occurs between November and April. The annual average high and low temperatures at Moffett Federal Airfield are 68 degrees Fahrenheit (°F) and 50°F, respectively. Prevailing winds blow from the north-northwest in the region during daytime hours. Nocturnal winds and land breezes during the colder months of the year blow from the south.

3.2.2 Topography

Moffett Federal Airfield is located on a relatively flat alluvial plain at the southwestern edge of San Francisco Bay. The site slopes from north to south at a rate of about one percent and lowers from an elevation of approximately 40 feet above sea level in the southern portion to sea level at the northern area of the airfield (CANG 1996). The major topographic features at the airfield are a series of flood control levees north of the base that provide marginal protection from tidal flooding of the Bay (CANG 2002).

3.2.3 Geology and Soils

The majority of the Moffett Federal Airfield site consists of Sunnyvale silty clay to a depth between 11 and 18 inches. The Sunnyvale silty clay is characterized by a dark gray color, fine texture, poor drainage, high fertility, and moderate alkalinity. The Eastside/Airfield area consists of Alviso clay at the northern end; Alviso clay soils are typically dark gray and characterized by low fertility and poor drainage. Soils at the middle of the Eastside/Airfield area are Kitchen

middens. This soil is characteristically dark gray, calcareous or clay loam with materials such as stones, bones, or mixed-in shell fragments (NASA 2002).

3.2.4 Surface Water

Moffett Federal Airfield is located adjacent to the southern shoreline of San Francisco Bay. The stormwater drainage for the base flows into the Stevens Creek drainage basin, which in turn flows into the San Francisco Bay. No surface water features are located on base property. A series of flood control levees north of the base provide marginal protection from tidal flooding of the Bay (CANG 2002).

While the majority of 129 RQW facilities are located outside of the identified 100-year floodplain, the pararescue and munitions facilities are located within the 100-year floodplain. Several flood control drainages that are considered Waters of the U.S. are found within the northeastern region of Moffett Federal Airfield. All ultimately terminate within San Francisco Bay. Wetlands and vernal pools occurring within Moffett Federal Airfield were previously determined to be isolated and therefore would not be categorized as jurisdictional Waters of the U.S. (NASA 1995).

3.2.5 Groundwater

Groundwater elevations vary seasonally and with location throughout the 129 RQW but generally range between five and nine feet below ground surface (CANG 1996). A regional groundwater contamination plume exists beneath Moffett Federal Airfield and flows toward the San Francisco Bay (NASA 2002). The U.S. Navy and the Middlefield-Ellis-Whisman Companies are jointly conducting remediation of the groundwater contamination plume under USEPA and California Regional Water Quality Control Board (RWQCB) oversight.

3.3 HAZARDOUS SUBSTANCES

The EBS team conducted a walk-through of each building and the surrounding terrain to identify evidence of storage, disposal, or release of hazardous substances. The areas of concern within the 129 RQW lease disposal property at Moffett Federal Airfield are discussed in the following paragraphs.

3.3.1 Hazardous Materials and Petroleum Products

Hazardous materials and petroleum products have been used throughout the maintenance and operations shops of the 129 RQW for various functions, including fuels testing; maintenance, testing, and repair of vehicles, aerospace ground equipment (AGE); aircraft, buildings and grounds maintenance; and structural repairs. These activities require the use of jet propellant fuel (JP-4 and JP-8), gasoline, diesel fuel, solvents, lubricants, cutting oils, greases, and some corrosive materials (acids and alkalines).

3.3.2 Hazardous and Petroleum Wastes

Hazardous and petroleum wastes have historically been generated throughout the 129 RQW installation during various operations, including fuels testing, maintenance, testing and repair of vehicles, AGE, and aircraft.

A hazardous waste generation point is the location where a waste is initially created or generated through some process. After generation, the hazardous waste must be transferred immediately to an initial (satellite) accumulation point. Waste cannot be accumulated or stored at the generation point unless the area has been designated as an approved accumulation point.

NASA is responsible for collecting hazardous waste generated at Moffett Federal Airfield. The 129 RQW operates 14 initial accumulation sites distributed throughout the various industrial shops in the Wing. The 129 RQW generated hazardous waste is turned over to NASA, who operates the 90-day accumulation site. At the accumulation point, the hazardous waste is collected for labeling, manifested, and transported off site for disposal. NASA and its tenants (including the 129 RQW) are considered large quantity generators of hazardous waste and operate under *USEPA ID Number 1800005034*.

Primary types of hazardous wastes generated by the 129 RQW include batteries, used fuel and oil, solvents, fluorescent bulbs, rags, fuel filters, and solvent-contaminated solids. The majority of hazardous waste is generated as a result of aircraft operations.

The Fuel Farm at Moffett Federal Airfield is operated by a Defense Fuel Supply Center contractor and provides storage and delivery of fuel for aircraft, vehicles, and other uses (e.g., emergency generators). Jet fuel is received by barge and is pumped to several larger storage tanks at the Fuel Farm. Fuel is then dispensed to aircraft via fuel trucks filled at the Fuel Farm. The Fuel Farm consists of four 567,000-gallon storage tanks and one 105,000-gallon tank in which fuel for immediate use is stored. Fuel use at Moffett Federal Airfield is approximately one million gallons of aviation fuel per month (CANG 1996).

The governing regulations for spill prevention are contained in the *NASA Spill Prevention Plan* which describes specific protocols for preventing and responding to releases, accidents, and spills involving oils and hazardous materials (CANG 1996). All tenants for 129 RQW operations are required to follow these procedures. The *NASA Hazardous Waste Management Plan* provides guidance for facilitating compliance with all Federal, State, and local regulations pertaining to hazardous waste. In addition, the *Hazardous Waste Management Plan* sets forth procedures to control and manage hazardous wastes from the point where they are generated until they are ultimately disposed.

The EBS team searched for evidence of the storage, disposal, or release of hazardous or petroleum wastes during the visual inspection. While no significant spills were reported to the EBS team by facility personnel, several of the 129 RQW aircraft maintenance activities involve the transfer of bulk fuels and, hence, have the potential for spills and releases to the environment.

The potential for spills and releases of oil or hazardous substances in these areas has reportedly been reduced through the construction of containment systems, an oil/water separator (OWS) (in the AGE area), the implementation of preventive measures (i.e., those specified in the *Stormwater Pollution Prevention Plan*), and the provision of training that emphasizes spill prevention and response (i.e., as specified in the *Hazardous Waste Management Plan and Spill Prevention Plan*).

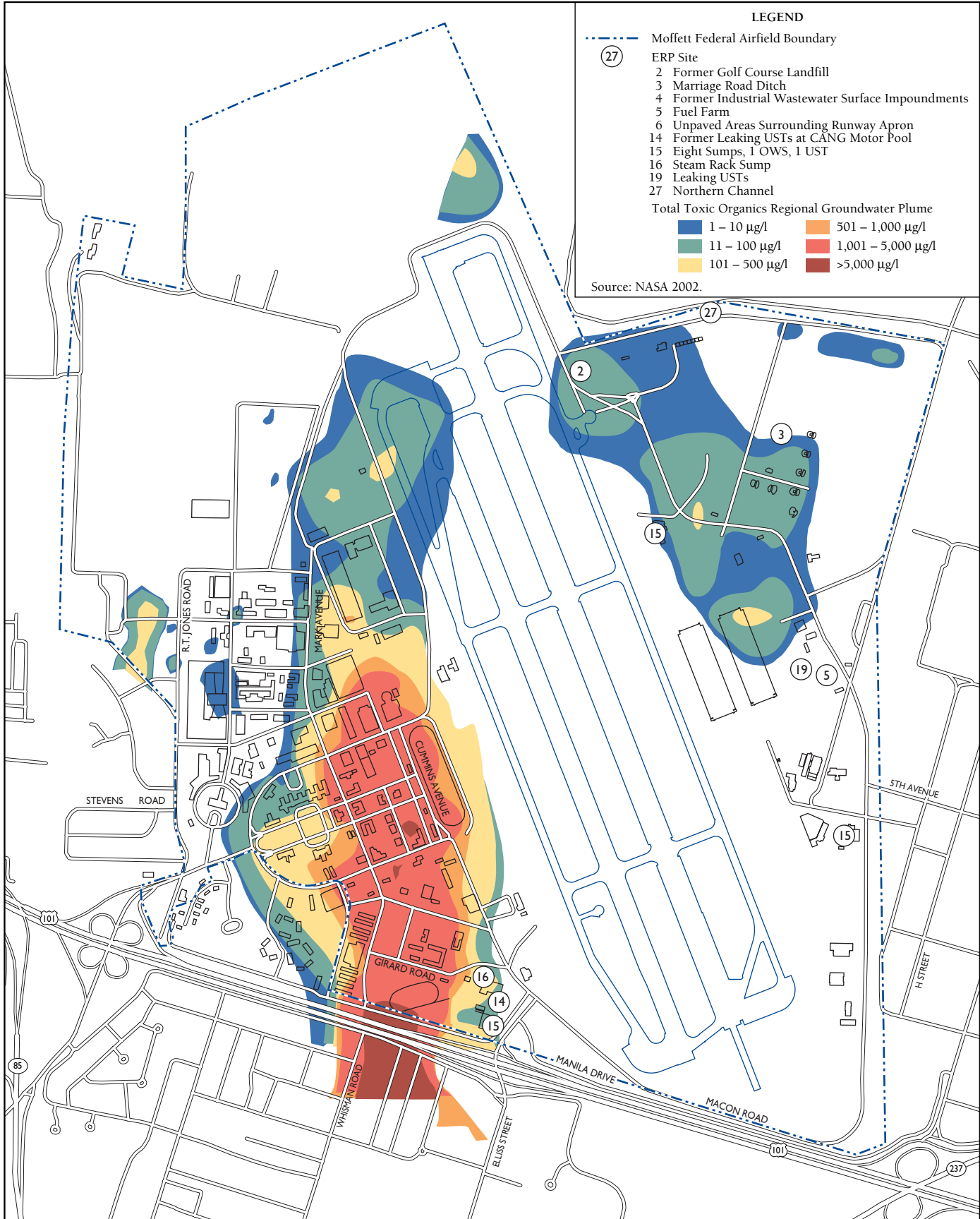
3.3.3 Environmental Restoration Program Sites

The DoD created the ERP to investigate past hazardous and toxic materials storage and disposal activities at military installations as required by the Resource Conservation and Recovery Act (RCRA). The mission of the ERP is to identify and clean up contamination resulting from past DoD use and disposal practices for the protection of human health and the environment. Moffett Federal Airfield was added to the NPL in July 1987. Under the ERP, the U.S. Navy identified several locations with the presence of contamination. To date, 28 potentially contaminated sites have been identified at Moffett Federal Airfield as potential sites of hazardous waste disposal or spills, and all are under investigation for remediation under the U.S. Navy's ERP Program (NASA 2002). These sites were contaminated by wastes from 60 years of military operations. The majority of these sites are along the western edge of the airfield and near Hangar 3, and all sites predate NASA's administration of the property. There are several ERP sites located near areas occupied by the 129 RQW that are in various stages of investigation and remediation by the U.S. Navy (Table 3-2 and Figure 3-1). Remediation of hazardous waste remains the responsibility of the U.S. Navy, even though custody of the installation has been transferred to NASA and portions leased to the 129 RQW. In addition, a regional groundwater contamination plume exists beneath Moffett Federal Airfield and flows towards the San Francisco Bay (NASA 2002). The regional groundwater contamination plume stems from two main sources: a USEPA-designated Superfund site located outside of Moffett Federal Airfield across Highway 101 at sites owned by the Middlefield-Ellis-Whisman companies, and contamination stemming from past military operations during the U.S. Navy's administration of the base. The U.S. Navy and the Middlefield-Ellis-Whisman companies are jointly conducting groundwater remediation under USEPA and California RWQCB oversight (NASA 2002) (see Figure 3-1).

Table 3-2. ERP Sites within the Lease Disposal Area

Site No.	Description	Contaminants of Concern	Current Status
Site # 2	Former Golf Course Landfill	Solvents, oil, paint, scrap metal, PCBs.	Landfill was capped and long-term monitoring is underway. No further remedial action is required.
Site # 3	Marriage Road Ditch	Detergents, hydraulic fluids, oils, fuels, solvents, paint.	No Action Record of Decision.
Site # 5	Fuel Farm	Former LUSTs.	The U.S. Navy is currently studying this site as part of its petroleum sites evaluation and closure program. No remediation is currently underway.
Site # 14	Former LUSTs at CANG Motor Pool	Oil, fuels.	All tanks have been removed and remediation is underway.
Site # 15	8 Sumps, 1 OWS, 1 UST	Oil, fuels.	Most sources have been removed and the sites are currently being evaluated by the U.S. Navy.
Site # 16	Steam Rack Sump	No contamination was found.	Two catch basins were removed, no contamination was found. No Action Record of Decision.
Site # 19	LUSTs	Fuels, solvents.	Most tanks have been removed. One tank is believed to be the source of the solvent contamination in the groundwater in the Eastside/Airfield area. This contamination is being addressed by the Eastern Aquifer Treatment System.
Site # 27	Northern Channel	PCBs.	The U.S. Navy is currently studying this site to develop an appropriate remediation treatment.

Source: NASA 2002.



LEGEND

- Moffett Federal Airfield Boundary
- ② ERP Site
- 2 Former Golf Course Landfill
- 3 Marriage Road Ditch
- 4 Former Industrial Wastewater Surface Impoundments
- 5 Fuel Farm
- 6 Unpaved Areas Surrounding Runway Apron
- 14 Former Leaking USTs at CANG Motor Pool
- 15 Eight Sumps, 1 OWS, 1 UST
- 16 Steam Rack Sump
- 19 Leaking USTs
- 27 Northern Channel

Total Toxic Organics Regional Groundwater Plume

■ 1 – 10 µg/l	■ 501 – 1,000 µg/l
■ 11 – 100 µg/l	■ 1,001 – 5,000 µg/l
■ 101 – 500 µg/l	■ >5,000 µg/l

Source: NASA 2002.

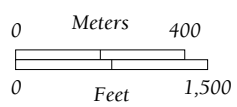


Figure 3-1
 ERP Sites in the Vicinity of the Lease Disposal Area
 at Moffett Federal Airfield



3.3.4 Storage Tanks and Pipelines

Various storage tanks have previously been used at Moffett Federal Airfield to store fuels and to distribute various petroleum products or wastes. There were three former USTs located within the 129 RQW lease disposal area. In October 1998, the three USTs and associated piping were decommissioned, removed, and the site restored to original grade conditions (CANG 1999) (Table 3-3). No ASTs are known to have been located within the lease disposal area.

Table 3-3. Underground Storage Tanks Formerly located Near Facilities Proposed for Lease Disposal by the 129 RQW

Building Served	Volume (gallons)	Contents	Years of Operation
<i>Underground Storage Tanks</i>			
680	1,000	Fuel Oil	1979-1998
681	2,000	Fuel Oil	1979-1998
682	1,000	Fuel Oil	1979-1998

Source: CANG 1999.

3.3.5 Oil/Water Separators

OWSs are used to separate oils, fuels, sand, and grease from wastewater and to prevent contaminants from entering the sanitary sewer and stormwater drainage systems. The 129 RQW is responsible for one active OWS near the facilities proposed for lease disposal by the 129 RQW. This OWS is located outside the AGE building (Building 684). In addition, an OWS located near the vehicle maintenance facility (Building 146) was clogged with cement over 10 years ago and is no longer operational (CANG 2003). An active OWS also services the new composite maintenance hangar located at Building 662.

3.3.6 Pesticides

Much of Moffett Federal Airfield consists of open landscaped areas. Chemical treatment such as pesticides, herbicides, and fertilizers are known to be used for general grounds maintenance on the property. All materials are applied in accordance with regulations, and no spill incidents have been reported or noted. In addition, the extent and types of chemicals formerly used is unknown. Potential residual levels of pesticides, herbicides, and fertilizers in soils and groundwater may exist within the proposed lease disposal area from historically applied chemicals.

3.3.7 Medical/Biohazardous Waste

Medical and biohazardous wastes are generated at the 129 RQW installation for hospital, dental clinic, and paramedical operations (Buildings 685 and 686). Biohazardous waste is stored and disposed in accordance with Federal, State, and local regulations. There have been no documented cases of contamination associated with medical or biohazardous waste.

3.3.8 Ordnance

There are three munitions storage areas at Moffett Federal Airfield, all located in the northeast corner of the installation (see Figure 1-3). A compilation of safety quantity-distance arcs from individual buildings surrounds the three munitions storage areas, which encompass Buildings 70-74, 143, 147, 484, 486-492, 528, and 561.

3.3.9 Radioactive Waste

A limited number of radioactive materials are used within the lease disposal area. These materials are contained in source materials of instruments such as Chemical Agent Monitoring Systems which are stored in accordance with Federal, State, and local regulations. No radioactive materials or wastes are known to be generated on base, and no radioactive materials have been disposed of within the property (CANG 2003).

3.3.10 Solid Waste

The 129 RQW generates solid waste in the form of office trash, nonhazardous industrial wastes, and construction debris. Solid waste collection and disposal are handled by a private contractor. There are no active landfills at Moffett Federal Airfield. The EBS team searched for visible signs of solid waste disposal activities within the lease disposal area (i.e., trash piles or landfilling). Solid waste disposal areas were not found within the proposed lease disposal area.

3.3.11 Wastewater Treatment, Collection, and Discharge

The 129 RQW generates wastewater from sanitary, stormwater, and industrial processes, including vehicle, equipment, and aircraft washing; fuels and aircraft component testing; and vehicle, AGE, and aircraft maintenance. These wastewaters are discharged directly to the sanitary sewer system that flows into the Stevens Creek drainage basin, which in turn flows into the San Francisco Bay. NASA and its tenants (including the 129 RQW) operate under a National Pollution Discharge Elimination System permit for stormwater discharge at Moffett Federal Airfield.

3.4 DISCLOSURE ITEMS

Disclosure items are conditions that are not regulated under CERCLA but may affect use of the subject property. These conditions or substances include drinking water quality, asbestos, PCBs,

radon, lead-based paints, and historical and cultural resources. These substances do not pose specific risk or hazard to human health or safety if they are maintained and managed properly.

3.4.1 Drinking Water Quality

Historical overdrafts of the groundwater supply beneath Moffett Federal Airfield has caused a rapid decline in the water table, a deterioration of water quality, and ground subsidence in the Santa Clara Valley. The drinking water supply for Moffett Federal Airfield is supplied by the County of San Francisco Water District, which obtains water primarily from the Hetch Hetchy Reservoir in the Sierra Nevada (NASA 1994). A regional groundwater contamination plume flows beneath Moffett Federal Airfield towards the San Francisco Bay (NASA 2002). The regional plume stems from two main sources: a USEPA-designated Superfund site outside Moffett Federal Airfield across Highway 101 at sites owned by the Middlefield-Ellis-Whisman companies, and contamination stemming from past military operations during the U.S. Navy's administration of the base. The U.S. Navy and the Middlefield-Ellis-Whisman companies are jointly conducting remediation under USEPA and California RWQCB oversight (NASA 2002).

3.4.2 Asbestos

AFI 32-1052 (March 22, 1994) establishes requirements and assigns responsibilities to incorporate facility asbestos management principles and practices. Installations must remove asbestos-containing material (ACM) likely to release airborne asbestos fibers that cannot be reliably maintained, repaired, or isolated. All facilities must be monitored closely to ensure ACM does not become airborne. In addition, each installation must develop a written management and operating plan to carry out the objectives of facility asbestos management. Prior to property transfer, all available information on the existence, extent, and condition of ACM must be incorporated in the EBS and provided to the transferee.

Asbestos has been found in a number of buildings constructed before 1978 when use of asbestos in construction materials was common. Only a portion of the buildings occupied by the 129 RQW have been tested for ACM. Because ACM was commonly used prior to 1978, it is assumed that the majority of the buildings at Moffett Federal Airfield contain ACM. Existing asbestos surveys and a *Notification of Asbestos Containing Construction Materials* at Moffett Federal Airfield Buildings was completed by the U.S. Navy to ensure that the health and welfare of all base personnel are protected from potentially harmful effects of ACM; these documents have been provided to NASA and its tenants, including the 129 RQW. According to the U.S. Navy asbestos survey, ACM is present in many of the existing facilities occupied by the 129 RQW at Moffett Federal Airfield (Table 3-4).

Table 3-4. Summary of Asbestos Locations at the Proposed Lease Area¹

Building	Year Constructed	Building Description	ACM Present
47	1942	Hangar 3	Pipe, sink undercoating, HVAC insulation, ceiling tile, and wallboard.
146	1952	Vehicle Operations and Maintenance	Pipe, tank cover, vibration joint cloth.
484	1965	Munitions Area 3	Roofing.
486-492	1965, 1961	Munitions Area 3	Roofing.
561	1976	Munitions Area 4	Fire door.
680	1980	Headquarters	Fire doors.
683	1980	Base Civil Engineering	Ceiling tile, wallboard, transite panels, floor tile.
684	1984	Aerospace Ground Equipment	Floor tile mastic, coving mastic, and linoleum.
685	1984	Medical Training	Floor tile and coving mastic.
686	1984	Pararescue Squadron	Floor tile, fire doors, coving mastic, roofing material.
992	1957	Vehicle Operations and Maintenance	Wallboard, tar paper backing to fiberglass insulation.

Note: ¹ Only a portion of the buildings occupied by the 129 RQW have been tested for asbestos-containing material. Therefore, this list is not comprehensive.

Source: Naval Air Station Moffett Field 1994, U.S. Navy 1993.

3.4.3 Polychlorinated Biphenyls

PCBs are used in electrical equipment, primarily capacitors and transformers, because they are electrically nonconductive and stable at high temperatures. PCBs present an environmental hazard because they persist in the environment, accumulate in living organisms, and concentrate in the food chain.

The disposal of these compounds is regulated under the Toxic Substances Control Act (TSCA), which bans the manufacture and distribution of PCBs. By Federal definition, PCB equipment contains 500 parts per million (ppm) or more of PCBs, whereas PCB-contaminated equipment contains PCB concentrations of more than 50 ppm but less than 500 ppm. The USEPA, under TSCA guidance, regulates the removal and disposal of all sources of PCBs containing 50 ppm or more.

There are no remaining PCB sites or transformers at the CANG lease disposal area. All PCB transformers were removed from the 129 RQW properties by a certified contractor by 2002 (CANG 2003).

3.4.4 Radon

Radon is a naturally occurring, colorless, and odorless radioactive gas that is produced by the radioactive decay of naturally occurring uranium. Uranium decays to radium and then radon. Radon that is present in soil can enter a building through small spaces and openings and can accumulate in enclosed areas such as basements.

The most recent DoD policy with regard to radon is described in the DoD memorandum *Asbestos, Lead-Based Paint and Radon Policies at BRAC Properties* (October 31, 1994). This memorandum states that, in accordance with 26 U.S. Code (USC) 2661 to 2671, DoD will conduct a study to determine radon levels in a representative sample of its buildings. DoD has applied USEPA guidelines for residential structures (i.e., an average radon concentration of 4 picocuries per liter [pCi/L]) with regard to remedial actions. Any available and relevant radon assessment data pertaining to property being transferred must be included in property transfer documents. DoD policy is not to perform radon assessment and mitigation prior to transfer unless otherwise required by applicable law.

In 1993, the U.S. Navy installed over 800 radon detectors in housing units at Moffett Federal Airfield. The results indicated that radon levels were all below USEPA guidelines. Information obtained from the USEPA National Radon Database indicates that Santa Clara County is located within a Zone 3 area (i.e., Moderate Potential Designation) with an indoor average radon level of 2 to 4 pCi/L (USEPA 2003).

3.4.5 Lead-based Paint

In 1973, the Consumer Products Safety Commission established a maximum lead content in paint of 0.5 percent by weight in a dry film of newly applied paint. In 1978, the Consumer Products Safety Commission lowered the allowable lead level in paint to 0.06 percent.

The most recent AF policy with regard to lead-based paint is described in the USAF memorandum *Air Force Policy and Guidance on Lead-Based Paint in Facilities* (May 24, 1993). The policy is referenced in Air Force Handbook 32-9007 (May 1, 1999) and requires USAF installations to identify, evaluate, control, and eliminate existing lead-based paint hazards and past lead-based paint hazards where potential lead-based paint debris may have accumulated in the area surrounding facilities. Priority is given to facilities or portions of facilities frequented by children. All installations must develop and implement a plan for identifying, evaluating, managing, and abating lead-based paint hazards. The guidance emphasizes the use of management policies and lead-based paint abatement as part of the normal facility renovation and upgrade programs when it is cost-effective.

Most of the property buildings are painted and the paint appears to be in good condition. A lead-based paint survey has not been conducted at Moffett Federal Airfield. However, buildings are tested for lead paint prior to demolition or renovation. Since many of the buildings at the 129 RQW installation were constructed prior to 1978, it is likely that a majority of these buildings contain lead-based paint. However, most major facilities which are occupied by internal and external customers have been recently renovated, abated, and repainted.

3.4.6 Historical and Cultural Resources

Historical structures, archaeological sites, and traditional cultural properties are afforded protection under the National Historic Preservation Act of 1966 as amended (16 USC 470).

Federal agencies are required to identify, assess, and protect historic structures, traditional cultural properties, and archaeological resources under their jurisdiction, control, or affected by the agencies' actions. Cultural resources must be protected from any actions that may adversely affect them. AFI 32-7065, *Integrated Cultural Resources Management*, specifies procedures for compliance with cultural resources laws. Specifically, all installations are required to conduct an inventory of their resources and manage the resources in accordance with AFI 32-7065, NEPA, Native American Graves Protection and Repatriation Act, American Indian Religious Freedom Act, Archaeological Resource Protection Act, Archeological and Historic Preservation Act, and the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Treatment. All installations are to consult with the State Historic Preservation Officer, Tribal Historic Preservation Officer, Native American governmental representatives, and other affected parties prior to implementation of an action that may adversely affect the resources.

There are 20 areas within the perimeter of Moffett Federal Airfield that have been designated as potential archaeologically sensitive areas; the largest of these sites is located south of the runway. Two of these sites are located at the southeastern section of Moffett Federal Airfield, inside the 129 RQW Main Campus (NASA 2002).

3.4.7 Natural Resources

Threatened and endangered species and their habitats are afforded protection under Section 7(a)(2) of the Endangered Species Act (ESA) of 1973 (Public Law 93-205, 16 USC 1531), which requires every Federal agency to ensure that any action it authorizes, funds, or carries out is not likely to jeopardize the continued existence of any listed species or result in the destruction or adverse modification of critical habitat. Any plant or animal species, or its habitat, listed as threatened or endangered (50 Code of Federal Regulations [CFR] 424.02) must therefore be protected from any actions that may threaten their continued existence. DoD Instruction 4715.3, *Environmental Conservation Programs*, and AFI 32-7064, *Integrated Natural Resources Management*, specify procedures for compliance with the ESA. Specifically, all installations are required to conduct an inventory for threatened and endangered species and undertake no action that may affect such species or their habitat without consulting with either the U.S. Fish and Wildlife Service (USFWS) for terrestrial and fresh water species or with the National Marine Fisheries Service (NMFS) for marine species. Additionally, AFI 32-7064 requires installations to afford the same protection to State-listed threatened and endangered species as to Federal species, whenever practicable.

Moffett Federal Airfield is bordered to the south, east, and west by a substantial amount of urban development. Tidal flats exist to the north and contain the majority of habitat supportive of wildlife. Wildlife typically found in the vicinity of the 129 RQW facilities include those species that tolerate human activity and development. Common species observed at Moffett Federal Airfield include Pacific treefrog (*Hyla regilla*), American coot (*Fulica americana*), house finch (*Carpodacus mexicanus*), mallard (*Anas platyrhynchos*), mourning dove (*Zenaida macroura*), Northern mockingbird (*Mimus polyglottos*), Botta's pocket gopher (*Thomomys bottae*), raccoon

(*Procyon lotor*), red fox (*Vulpes vulpes*), California ground squirrel (*Spermophilus beecheyi*), house mouse (*Mus musculus*), and western harvest mouse (*Reithrodontomys megalotus*) (NASA 1995).

Although a number of plant and animal special status species are known to occur or potentially occur in the vicinity of Moffett Federal Airfield (NASA 1995), due to the developed nature of the area, no special status species are known or expected to occur within or in the vicinity of the 129 RQW facilities.

This page intentionally left blank

4. FINDINGS FOR ADJACENT PROPERTIES

4.1 HISTORICAL AND CURRENT LAND USE

The site history for the adjacent properties was obtained through a visual site inspection, historical site photographs, existing documentation, and interviews. Based on review of available historical aerial photographs, the earliest known usage of the adjacent properties was agricultural (i.e., crops and pasture land).

Regional Setting

Moffett Federal Airfield is located in an unincorporated portion of Santa Clara County. The airfield is surrounded by the City of Mountain View to the west and the City of Sunnyvale to the south (see Figure 1-1). Land use in the vicinity of the 129 RQW facilities is highly urbanized as a result of rapid growth and intense private development from the boom in the semiconductor and computer industries. Land uses surrounding Moffett Federal Airfield include industrial, agricultural, residential, office, and public recreation.

Land to the north, northeast, and northwest of Moffett Federal Airfield is mostly open space or recreational. Land to the east, west, and south is generally industrial, with small pockets used for residential or open space/recreational purposes (NASA 1994). On the eastern border of the 129 RQW Main Campus is a large industrial and research facility: the Lockheed Martin Industrial Complex (Figure 4-1). This complex extends from the northern corner to the southeastern corner of Moffett Federal Airfield. The southern border of Moffett Federal Airfield is separated from nearby land uses by Interstate 101. Residential and light industrial development within the City of Sunnyvale is located in the southern boundary of Moffett Federal Airfield on the south side of Highway 101. The non-industrial areas surrounding Moffett Federal Airfield include Stevens Creek, its associated trail, and a 358-unit mobile home park to the west; the Sunnyvale Municipal Golf Course to the southeast; and military residential areas at the southwestern corner of Moffett Federal Airfield (CANG 1996, NASA 2002).

Moffett Federal Airfield

Moffett Federal Airfield encompasses approximately 2,354 acres of land. Land uses within Moffett Federal Airfield include airfield operations and support, administration and training, housing, recreation, medical support, and research and development facilities (CANG 1996).

Moffett Federal Airfield is divided into several regions. These areas include the CANG facilities, the Eastside/Airfield area, the NASA Research Park, Ames Campus, the San Francisco Bay View area, and a diked marsh and storm water retention pond (see Figure 4-1). With the exception of the CANG facilities, the remainder of Moffett Federal Airfield is in use by NASA.

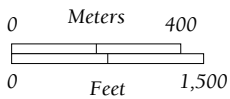
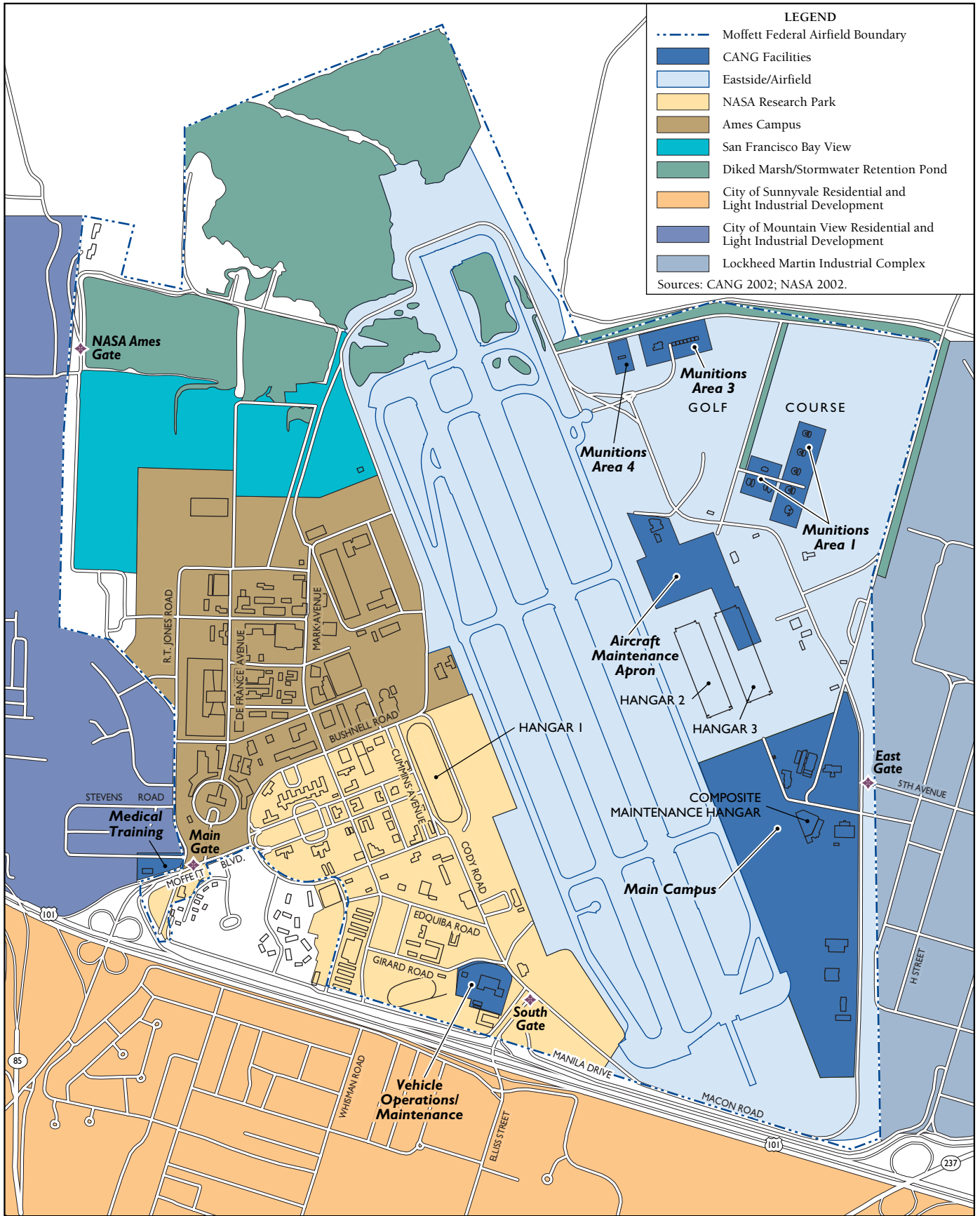


Figure 4-1
Properties Adjacent to the 129 RQW Lease Disposal Area



4.2 SURVEYED PROPERTIES

Section 7 of ASTM Standard E1527-00 requires that properties within a one-mile radius of the installation be investigated to determine their potential to affect the subject property. The sites listed in the Federal or State databases as being located within a one-mile radius of the proposed lease disposal properties are presented in Table 4-1. The environmental liabilities at the surrounding properties and their potential to affect the proposed lease disposal area are described in the following paragraphs.

Table 4-1. Results from Federal and State Database Search

Database	Database Description	Site Name	Additional Details from Databases ¹
National Priorities List (NPL)	Priority cleanup sites under the Superfund Program.	<ul style="list-style-type: none"> Moffett Federal Airfield National Semiconductor Company Raytheon Company 	<ul style="list-style-type: none"> Currently on the Final NPL. Currently on the Final NPL. Currently on the Final NPL.
Comprehensive, Environmental Response, Compensation and Liability Information System (CERCLIS)	Potential hazardous waste sites that have been reported to the USEPA.	<ul style="list-style-type: none"> Moffett Federal Airfield 	<ul style="list-style-type: none"> Currently on the Final NPL.
CORRACTS	Identifies hazardous waste handlers with RCRA corrective action.	<ul style="list-style-type: none"> National Semiconductor Company Lockheed Martin Missiles and Space Company 	<ul style="list-style-type: none"> Assigned a high corrective action priority. Current human exposures under control 12/28/00.
California Spills, Leaks, Investigation and Clean-up Cost Recovery	Known and potential hazardous substance sites.	<ul style="list-style-type: none"> Moffett Federal Airfield NEC Electronics Incorporated SILTEC Corporation Open Field/Sunnyvale Landfill Fairchild Semiconductor Onizuka AFB Sunnyvale NIROP NASA Ames AOI 10 	<ul style="list-style-type: none"> Site referred to Regional Water Quality Control Board (RWQCB). Preliminary Endangerment Assessment (PEA) Required. PEA Required. Site referred to RWQCB. Site referred to RWQCB. Site referred to RWQCB. Backlog status, potential annual work plan site. Voluntary Cleanup Program.
California Hazardous Material Incident Report System	Reported hazardous materials incidents (i.e., accidental releases or spills).	<ul style="list-style-type: none"> Lockheed Missile and Space 	<ul style="list-style-type: none"> Incident date 11-29-89, 1 gallon sodium hydroxide release.
CORTESE	Public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remediation, sites with known toxic materials, sites with USTs with reportable releases, and all solid waste disposal facilities.	<ul style="list-style-type: none"> RMC Lonestar Chevron YEE Property A-1 Rents Onizuka AFB California Flower Shipper Roseburg Forest Products Lawrence Property 	<ul style="list-style-type: none"> LUST – Gasoline, Tank Closed, Preliminary Assessment 4/30/87. LUST – Gasoline, Tank Closed, PA 3/20/89. LUST – Gasoline, Tank Closed, Case Closed. PEA Required. Aboveground Storage Tank (AST), No Details Listed. LUST, No Details Listed. LUST – Diesel, Tank Closed, Case Closed. LUST – Gasoline, Tank Closed, Case Closed.

Table 4-1. Results from Federal and State Database Search

Database	Database Description	Site Name	Additional Details from Databases ¹
Toxic Pits	Sites suspected of containing hazardous substances where cleanup has not yet been completed.	<ul style="list-style-type: none"> Lockheed Martin Missile and Space Company 	<ul style="list-style-type: none"> Closure completed 7/1/88.
Solid Waste Facilities/Landfill Sites (SWF/LF)	Inventory of solid waste disposal facilities or landfills.	<ul style="list-style-type: none"> NASA Moffett Field Closed Landfill 	<ul style="list-style-type: none"> Closed solid waste disposal site.
Leaking Underground Storage Tank (LUST)	Inventory of reported LUST incidents.	<ul style="list-style-type: none"> Moffett Federal Airfield 	<ul style="list-style-type: none"> Leak confirmed 1/1/65. Preliminary assessment completed 9/24/90. Tank closed.
Bond Expenditure Plan (BEP)	Appropriation of Hazardous Substance Cleanup Bond Act Funds.	<ul style="list-style-type: none"> Moffett Federal Airfield Fairchild Semiconductor 	<ul style="list-style-type: none"> No Details Listed. No Details Listed.
Voluntary Cleanup Program (VCP)	Contains low threat level properties with either confirmed or unconfirmed releases.	<ul style="list-style-type: none"> NASA Ames AOI 10 	<ul style="list-style-type: none"> No Details Listed.
Record of Decision (ROD)	Documents that mandate a permanent remedy at an NPL site.	<ul style="list-style-type: none"> Moffett Federal Airfield National Semiconductor Company Raytheon Company 	<ul style="list-style-type: none"> No Details Listed. No Details Listed. No Details Listed.

Note: ¹ The information shown in this table is supplied from the existing environmental databases and its accuracy has not been field verified (EDR 2003b).

4.2.1 Hazardous Materials and Petroleum Products

Hazardous materials and petroleum products have been stored and used in the operations conducted on the surrounding properties, including NASA operations. Other than Moffett Federal Airfield, no other surrounding properties were listed on the environmental database search report as using or storing reportable quantities of hazardous materials and petroleum products.

4.2.2 Hazardous and Petroleum Wastes

Wastes have been generated at Moffett Federal Airfield and adjoining properties. Wastes were reportedly disposed of in unlined landfills, drainage ditches and unpaved areas, and stored in unlined wastewater ponds. In addition, some USTs and sumps were found to have leaked PCBs and fuels. Chemicals of potential concern on properties adjacent to the 129 RQW facilities include waste oils and jet fuels, solvents and cleaners, washing compounds, gasoline, hydraulic fluids, asbestos, paints, pesticides, battery acid, and PCBs. Previous releases of hazardous and petroleum wastes on adjacent properties at and surrounding Moffett Federal Airfield have been investigated and are in various stages of remediation under the CERCLA Superfund program.

4.2.3 Environmental Restoration Program Sites

Moffett Federal Airfield and Onizuka AFB are the only DoD facilities located within a one-mile radius of the subject property that have been investigated under the ERP. Remediation and monitoring of remaining ERP sites is ongoing, and known contamination is contained and in various stages of remediation.

4.2.4 Storage Tanks and Pipelines

According to the environmental database files, several LUSTs were noted on the Federal and State database search results for properties located within one-mile of the 129 RQW properties. All LUSTs have been removed, and any soil contamination found during removal of the USTs was excavated and disposed of in accordance with Federal and State laws and regulations.

4.2.5 National Priority List Sites

There are three sites within approximately one-mile of the subject property that are listed on the NPL: Moffett Federal Airfield, National Semiconductor Company, and Raytheon Company. All sites are listed on the Final NPL (EDR 2003b). A Record of Decision document for each of the three NPL sites has been developed to provide a permanent remedy at the NPL sites and addresses remedial actions for groundwater contamination. Ongoing investigation and cleanup efforts are actively being performed under the CERCLA Superfund program.

This page intentionally left blank

5. REGULATORY COMPLIANCE ISSUES

5.1 COMPLIANCE AND LIABILITY ISSUES

In 1992, the Community Environmental Response Facilitation Act (CERFA) amended CERCLA and established new procedures for contamination assessment, cleanup, and related activities. CERFA supports other environmental laws to ensure that possible adverse effects of property transfers on human health and the environment are addressed and that property offering potential for reuse and redevelopment is identified in an expedient manner.

Based on a review of all Federal regulations that govern environmental restoration and based upon a review of past and current activities at the proposed lease disposal property, no active noncompliance issues were identified in comparison with Federal regulations that govern environmental protection and restoration.

With the exception of ongoing ERP remediation activities and the presence of asbestos and lead-based paint within existing structures, no other issues of potential concern have been identified as a result of document reviews, interviews, and visual surveys conducted for this EBS.

5.2 CORRECTIVE ACTIONS

Not all environmental liabilities require corrective actions. Most issues only require notification of the future users of the property of the potential environmental liability. All of Moffett Federal Airfield is a CERCLA NPL site, and the U.S. Navy has liability for cleanup in accordance with applicable Federal and State laws and regulations.

This page intentionally left blank

6. CONCLUSIONS

6.1 FACILITY MATRIX

The facility matrix of the proposed lease disposal property at Moffett Federal Airfield is shown in Table 6-1. This matrix includes summaries of the ACM, lead-based paint, storage tank, hazardous substance release, and ERP site status at each building.

6.2 PROPERTY CATEGORIES AND RESOURCES

In accordance with AFI 32-7066 and USAF use of EBS property categorization codes (USAF 1999), facilities or portions of the proposed lease disposal area should be classified into one of the seven categories shown in Table 6-2. These categories are based on the presence of hazardous substances or petroleum products or their derivatives. The proposed lease disposal area is classified as *Category 5, Remedial or Other Action Underway*, as there are four ERP sites in the vicinity of the 129 RQW buildings currently undergoing remediation activities.

Table 6-1. Facility Matrix of the Disposal Buildings at Moffett Federal Airfield

Building Number	Year Built	Area (sq. ft.)	Disclosure Items		Hazardous Substances		
			ACM	Lead-based Paints	Storage Tanks and OWSs	Hazardous Substance Releases	ERP Sites
47	1942	433,738	Pipe, sink undercoating, HVAC insulation, ceiling tile, and wallboard	N/NS	None	NK	None
70	1943	192	N/NS	N/NS	None	NK	None
71	1943	546	N/NS	N/NS	None	NK	None
72	1943	625	N/NS	N/NS	None	NK	None
73	1943	546	N/NS	N/NS	None	NK	None
74	1943	546	N/NS	N/NS	None	NK	None
111	1944	4,650	N/NS	N/NS	None	NK	None
143	1943	567	N/NS	N/NS	None	NK	None
146	1982	35,745	Pipe, tank cover, vibration joint cloth	N/NS	1 inactive OWS	NK	None
147	1951	567	N/NS	N/NS	None	NK	None
484	1965	6,760	Roofing	N/NS	None	NK	None
486	1965	780	Roofing	N/NS	None	NK	None
487	1965	780	Roofing	N/NS	None	NK	None
488	1965	780	Roofing	N/NS	None	NK	None
489	1965	780	Roofing	N/NS	None	NK	None
490	1965	780	Roofing	N/NS	None	NK	None
491	1965	780	Roofing	N/NS	None	NK	None
492	1965	780	Roofing	N/NS	None	NK	None
528	1951	400	N/ NS	N/NS	None	NK	None
561	1976	2160	Fire door	N/NS	None	NK	None

Table 6-1. Facility Matrix of the Disposal Buildings at Moffett Federal Airfield

Building Number	Year Built	Area (sq. ft.)	Disclosure Items		Hazardous Substances		
			ACM	Lead-based Paints	Storage Tanks and OWSs	Hazardous Substance Releases	ERP Sites
650	1975	34,092	N/NS	N/NS	None	NK	None
651	1982	760	N/NS	N/NS	None	NK	None
653	1984	16,607	N/NS	N/NS	None	NK	None
654	1969	13,000	N/NS	N/NS	None	NK	None
655	1945	4,820	N/NS	N/NS	None	NK	None
656	1971	12,703	N/NS	N/NS	None	NK	None
657	1955	401	N/NS	N/NS	None	NK	None
658	1955	401	N/NS	N/NS	None	NK	None
659	1956	364	N/NS	N/NS	None	NK	None
660	1956	364	N/NS	N/NS	None	NK	None
661	1954	401	N/NS	N/NS	None	NK	None
662	2002	62,000	N/NS	N/NS	1 active OWS	NK	None
669	1943	10,000	N/NS	N/NS	None	NK	None
679	1994	10,080	N/NS	N/NS	None	NK	None
680	1980	18,720	Fire doors	N/NS	Former 1,000-gallon fuel UST	NK	None
681	1980	30,720	N/NS	N/NS	Former 2,000-gallon fuel UST	NK	None
682	1980	796	N/NS	N/NS	Former 1,000-gallon fuel UST	NK	None
683	1980	9,180	Wallboard, transite panels, floor tile	N/NS	None	NK	None
684	1984	4,330	Floor tile mastic, coving mastic, and linoleum	N/NS	1 active OWS	NK	None
685	1984	5,800	Floor tile and coving mastic	N/NS	None	NK	None
686	1984	11,822	Floor tile, fire doors, coving mastic, roofing material	N/NS	None	NK	None
992	1957	2,400	Wallboard, tar paper backing to fiberglass insulation	N/NS	None	NK	None

Notes: N/NS= none or not surveyed; NK= not known

Table 6-2. General EBS Property Classification Categories

Category	Summary	Description
1	<i>No Storage Occurred</i>	No storage, release, or disposal of hazardous substances has occurred on the property. This applies to on-site issues as well as migration of hazardous substances from off site.
2	<i>Only Storage Occurred</i>	Hazardous substances or petroleum products (or derivatives) were stored on the property, but no release, disposal, or migration from adjacent areas has occurred.
3	<i>Contamination Below Action Levels</i>	Contamination is present but falls below established action levels. Conclusion can be based on characterization that includes sampling and laboratory analysis.
4	<i>Remedial Action Required and Taken</i>	Contamination above action levels existed, but all remedial actions necessary to protect health and the environment have been taken to meet the provisions of CERCLA 120 (h)(3).
5	<i>Remedial or Other Action Underway</i>	Remedial systems are partially or entirely in place but have not been fully demonstrated or completed.
6	<i>Required Response Action Not Implemented</i>	Contamination is present, but required remedial systems or other actions have not been selected or implemented.
7	<i>Further Evaluation Required</i>	Existence of contamination or potential for release of hazardous substances into the environment or structures has been indicated but not well characterized. Further evaluation must be conducted before a recommendation to proceed with transaction can be made.

This classification of environmental condition of property area types is consistent with CERCLA Section 120(h) requirements relating to the transfer of contaminated Federal real property (42 USC 9601 and following).

6.3 DATA GAPS

As of the date of this document, there are no known data gaps that would affect the conclusions of this Phase I EBS. Consequently, no data gaps have been identified.

This page intentionally left blank

7. RECOMMENDATIONS

7.1 IDENTIFIED ISSUES

As indicated in Section 6, Conclusions, the proposed lease area falls under Category 5, *Remedial or Other Action Underway* (see Table 6-2). Regarding the site as a whole, other than the known ERP sites which are currently under investigation and remediation and are considered to be in stable, non-expansive condition, there is no information to indicate that further contamination or potential for release of hazardous substances into the environment exists. Consequently, no remedial actions other than the U.S. Navy's ongoing CERCLA program cleanup requirements are recommended for the 129 RQW proposed lease disposal property.

7.2 RECOMMENDATIONS

Due to the comprehensive investigations and ongoing cleanup activities required under the CERCLA program, there is no further concern associated with the proposed lease disposal area; therefore, no further study is required or recommended.

This page intentionally left blank

8. CERTIFICATIONS

8.1 CERTIFICATION OF THE ENVIRONMENTAL BASELINE SURVEY

All appropriate records made available were reviewed and visual site inspections of the proposed lease properties were conducted following an analysis of information during the records search. The information contained within the survey report is based on records made available and is correct and current as of August 2004.

Certified by: Christine E. Davis Date: August 4, 2004
Christine Davis
Project Manager

Approved by: Angela Alexander Date: 4 Aug 2004
Lt.Col. Angela Alexander
129th Rescue Wing, California Air National Guard

8.2 CERTIFICATION OF CONTAMINATION

The surveyed real property contains known hazardous substances as that term is defined in the CERCLA (42 USC 9601), as amended, or other contamination as specified by the RCRA of 1976, the implementation of USEPA regulations (40 CFR Parts 261, 262, 263, and 761), and the Federal Property Management Regulations (41 CFR Part 101-47). A complete search of agency files revealed that hazardous substances are known to have been released or disposed of on the surveyed real property. Hazardous substances have been released at the ERP sites listed in Table 3-2.

Certified by: Christine E. Davis Date: August 4, 2004
Christine Davis
Project Manager

Approved by: Angela Alexander Date: 4 Aug 2004
Lt.Col. Angela Alexander
129th Rescue Wing, California Air National Guard

8.3 CERTIFICATION OF POLYCHLORINATED BIPHENYLS CLEARANCE

- X a. This Real Property is in compliance with 40 CFR 761, as outlined below:
1. An inventory has been prepared and is being maintained of all PCB Real Property Installed Equipment and Real Property PCB Items per Section 761.45.
 2. All in-service and stored serviceable PCB and PCB-contaminated Real Property Installed Equipment and Real Property PCB Items have been inspected, repaired, and are being maintained to prevent leakage and, therefore, can be distributed per Section 761.30.
 3. PCB Real Property Installed Equipment and Real Property PCB Items have been stored, decontaminated, and labeled per Sections 761.42, 761.43, and 761.44.
 4. There is no known PCB-contaminated soil, wastes, or unserviceable equipment remaining on the existing property.
- _____ b. A records search and an onsite inspection indicate that this property has not been exposed to PCB materials or equipment.

Certified by:

Christine E. Davis

Date:

August 4, 2004

Christine Davis
Project Manager

Approved by:

Angela Alexander

Date:

4 Aug 2004

Lt.Col. Angela Alexander
129th Rescue Wing, California Air National Guard

Appendix A

Glossary of Terms

This page intentionally left blank

GLOSSARY OF TERMS

Term	Definition
Acquisition	Any authorized method of obtaining ANG control of, and responsibility for, real property or an interest in real property by purchase, condemnation, donation, exchange, leasing, licenses, permits, and/or recapture. An acquisition may be a temporary or permanent interest in real property and includes interagency transfers of real property accountability from other Federal Government agencies.
Adjacent Properties	Not only those properties contiguous to the boundaries of the subject property, but also those properties relatively nearby that could pose significant environmental concern and/or have a significant impact on the property.
ANG Proponent	ANG, major command, installation, field operating agency, or other component responsible for initiating or carrying out the proposed real property transaction.
Category 1 Parcel	Category 1 Parcel Areas where no storage, release, or disposal of hazardous substances has occurred on the property. This applies to on-site issues as well as migration of hazardous substances from off site.
Category 2 Parcel	Category 2 Parcel Areas where hazardous substances or petroleum products (or derivatives) were stored on the property, but no release, disposal or migration from adjacent areas has occurred.
Category 3 Parcel	Category 3 Parcel Area where contamination is present but falls below established action levels. Conclusion can be based on characterization that includes sampling and laboratory analysis.
Category 4 Parcel	Category 4 Parcel Area where contamination above action levels existed, but all remedial actions necessary to protect health and the environment have been taken to meet the provisions of CERCLA 120 (h)(3).
Category 5 Parcel	Category 5 Parcel Area where remedial systems are partially or entirely in place but have not been fully demonstrated or completed.
Category 6 Parcel	Category 6 Parcel Area where contamination is present, but required remedial systems or other action have not been selected or implemented.
Category 7 Parcel	Category 7 Parcel Area where existence of contamination or potential for release of hazardous substances into the environment or structures has been indicated but not well characterized. Further evaluation must be conducted before a recommendation to proceed with transaction can be made.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act, as amended.
CERCLIS	Comprehensive Environmental Response, and Liability Information System. A list of sites by the USEPA that have been or are currently being investigated by USEPA for potential hazardous contamination, and for possible inclusion on the National Priorities List. CERCLIS was last updated in November 2001.
Disposal by Deed	A conveyance of fee or any easement interest in real property.
Due Diligence	The process of inquiring into the environmental characteristics conditions and history of a parcel of real estate, usually in connection with a real estate transaction. The degree and type of due diligence will vary for different properties and differing purposes.
Hazardous Substance	This term shall have the meaning provided in CERCLA, 42 USC 9601(14), except that for the purpose of this guidance, the term shall specifically include petroleum products, oil, and lubricant.
Hazardous Waste Contaminated Sites	Sites on which a release has occurred or is suspected to have occurred and that has been reported to a government entity. The release may be attributable to any hazardous substance, hazardous waste, or petroleum products.

Term	Definition
Innocent Landowner	A defense to CERCLA liability provided in 42 USC, Sections Defense 9601(35) and 9607(1)(3). "All appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" by the involved party is one of the requirements that must be met to qualify for this defense.
LUST	The LUST is a database maintained by State Environmental Protection Division to inventory records of reported LUST incidents. The LUST was last updated in November 2001.
No Further Remedial Action Planned (NFRAP)	The NFRAP list contains sites removed from the CERCLIS database because, following an initial investigation, no contamination was found, the contamination was removed quickly, or the contamination was not serious enough to require NPL consideration.
National Priorities List (NPL)	The NPL is compiled by USEPA pursuant to CERCLA 42 USC, Section (a) (8) (b) is a listing of properties with the highest priority for cleanup based on the USEPA hazard ranking system. The NPL was last updated in October 2001.
Resource Conservation and Recovery Information System- Large Quantity Generators (RCRIS-LQG)	RCRIS-LQG is a database maintained by USEPA to track facilities that generate more than 1,000 kilograms (kg) of hazardous waste per month or meet other criteria. This database was last updated in June 2000.
Resource Conservation and Recovery Information System- Small Quantity Generators (RCRIS-SQG)	RCRIS-SQG is a database maintained by USEPA to track facilities that generate between 100 and 1,000 kg of hazardous waste per month or meet other criteria. This database was last updated in June 2000.
Resource Conservation and Recovery Information System- Treatment, Storage, and Disposal (RCRIS-TSD)	RCRIS-TSD Facilities is a database maintained by USEPA to track these types of facilities. This database was last updated in June 2000.
Real Property	Real property refers to land; present possessory interest in land; surface water and groundwater within boundaries of such land; structures, fixtures, and other improvements on land; or other interest or future interest in land.
Release	Any spilling, leaking, emitting, discharging, escaping, leaching, or disposing from a source area into groundwater, surface water, surface soils, or subsurface soils.
Remediate	Process of restoring contaminated soil and/or water resources to an established set of standards.
Solid Waste	General term for solid, non-hazardous waste materials.
Water Table	The surface between the zone of saturation and the zone of aeration; that surface of a body of unconfined groundwater at which the pressure is equal to that of the atmosphere.

Appendix B

References

This page intentionally left blank

REFERENCES

- California Air National Guard (CANG). 1996. Master Plan Short-Range Projects Environmental Assessment - CANG 129th Rescue Wing (129 RQW), Moffett Federal Airfield, California. Draft Final. (JSA 95-026.) October. Moffett Federal Airfield, CA.
- _____. 1999. Final Closure Report for Underground Storage Tank Removal. 129 RQW, CANG, Moffett Federal Airfield, CA. 26 April.
- _____. 2002. 129 RQW CANG Moffett Federal Airfield Space Use and Cost Comparison Study (for official use only). April.
- _____. 2003. Personal communications with Major Sendejas, Environmental Manager, CANG 129 RQW, Moffett Federal Airfield, CA. January-February.
- Council on Environmental Quality (CEQ). 1978. Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act. 40 CFR § 1500-1508.
- Environmental Data Resources, Inc., (EDR). 2003a. EDR Historical Chain-of-Title Report for CANG 129 RQW, Moffett Federal Airfield, CA. 25 February.
- _____. 2003b. The EDR Radius Map with GeoCheck for Moffett Federal Airfield, CA. 15 January.
- NASA Ames Research Center (NASA). 1994. Final Environmental Assessment for the Moffett Field Comprehensive Use Plan. NASA Ames Research Center, Moffett Field, CA. August.
- _____. 1995. Sensitive Species Surveys at Moffett Field 1994. Prepared by the San Francisco Bird Observatory and the U.S. Fish and Wildlife Service, San Francisco Bay National Wildlife Refuge. NASA Ames Research Center, Moffett Field, CA. August.
- _____. 2002. NASA Ames Development Plan, Final Programmatic Environmental Assessment. NASA Ames Research Center, Moffett Federal Airfield, CA. July.
- Naval Air Station Moffett Field. 1994. Baseline Environmental Report. Naval Air Station Moffett Field, CA. June.
- U.S. Department of the Air Force (USAF). 1999. USAF Memorandum, Interim Use of Environmental Baseline Survey (EBS) Property Categorization Codes. HQ USAF/ILEV, Washington DC. 6 January 1999.
- U.S. Department of the Navy (U.S. Navy). 1993. Basewide Asbestos Survey. Moffett Federal Airfield, CA.

U.S. Environmental Protection Agency (USEPA). 2003. EPA Map of Radon Zones – California. <http://www.epa.gov/iaq/radon/zonemap.html>. 22 January.

Appendix C

Historical Aerial Photographs and Site Photographs

This page intentionally left blank



Figure C-1
Moffet Federal Airfield 1939



Figure C-2
Moffet Federal Airfield 1956



Figure C-3
Moffet Federal Airfield 1965

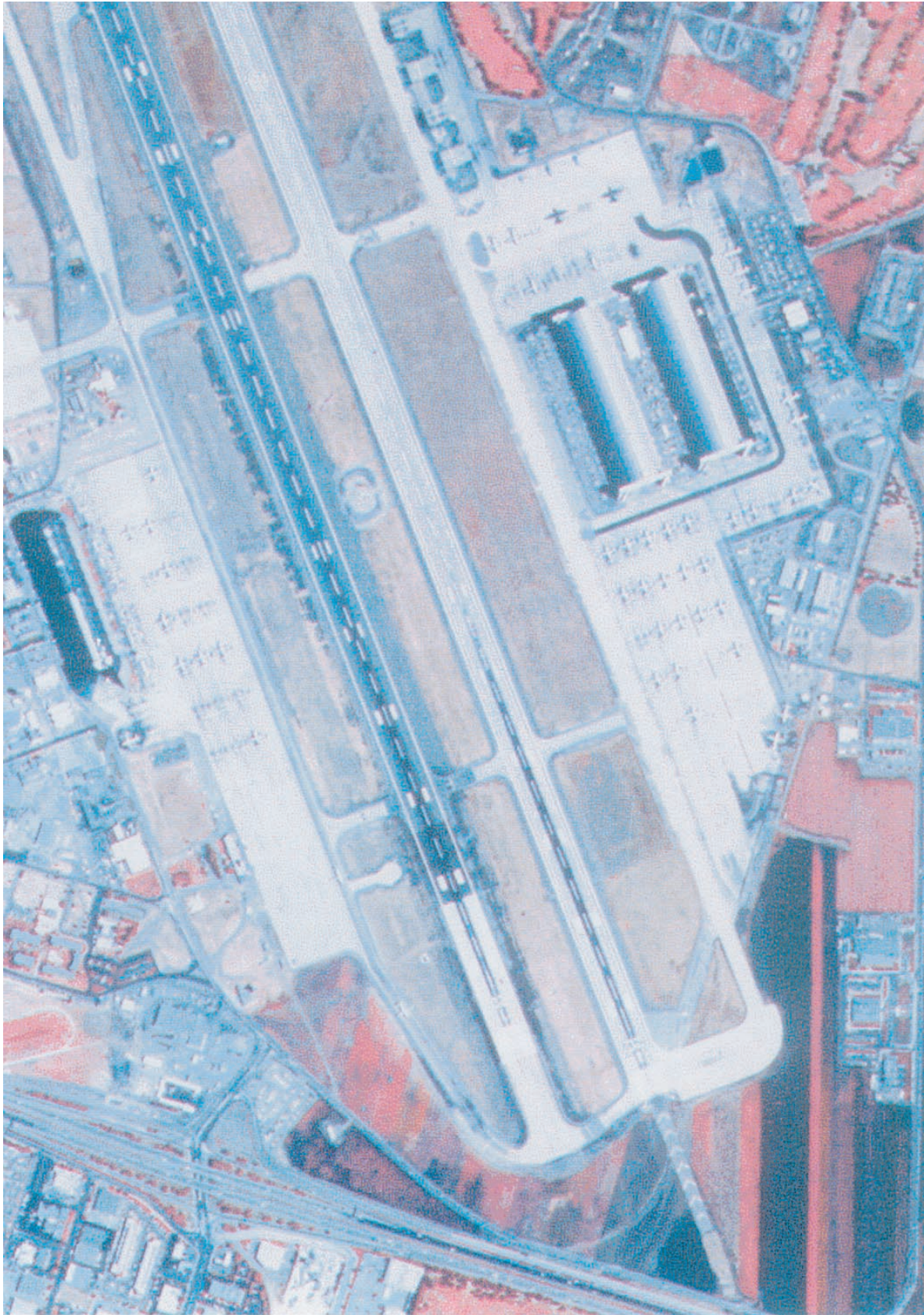


Figure C-4
Moffet Federal Airfield 1982



Figure C-5
Moffet Federal Airfield 1994

Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 1

Comment:
View of Hangars 2 and 3.

Photo Number : 2

Comment:
Hazardous Materials Storage
Container in Building 47,
Hangar 3.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 3

Comment:
Hazardous Materials Storage
in Building 47, Hangar 3.

Photo Number : 4

Comment:
Hazardous Materials Storage in
Building 47, Hangar 3.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 5

Comment:
Building 47, Hangar 3
Maintenance Shops.

Photo Number : 6

Comment:
Building 47, Hangar 3
Maintenance Shops.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002

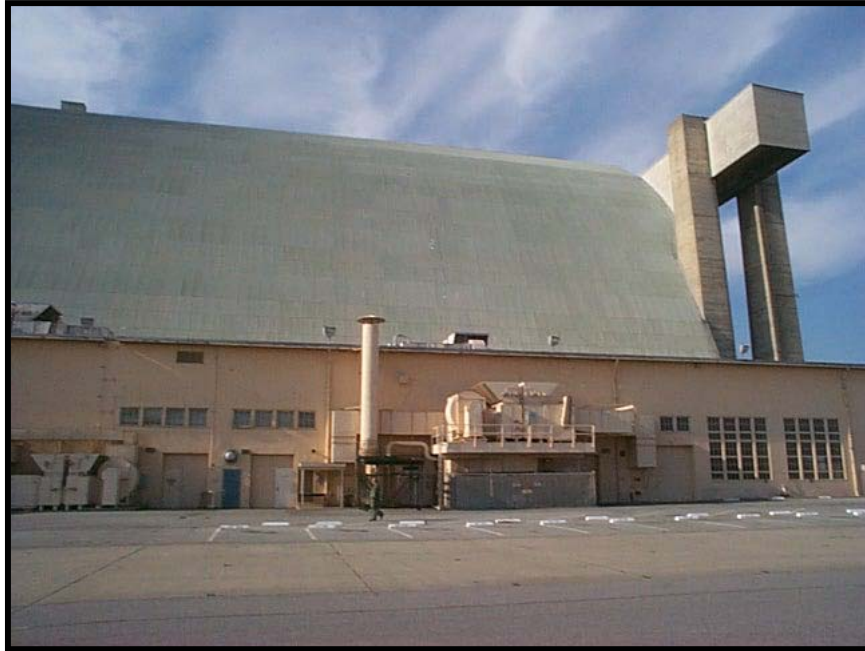


Photo Number : 7

Comment:
Outside View of Building 47,
Hangar 3.

Photo Number : 8

Comment:
Outside View of Building 47,
Hangar 3.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 9

Comment:
Building 47, Hangar 3 Paint
Booth.

Photo Number : 10

Comment:
Building 47, Hangar 3
Propulsion Shop.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002

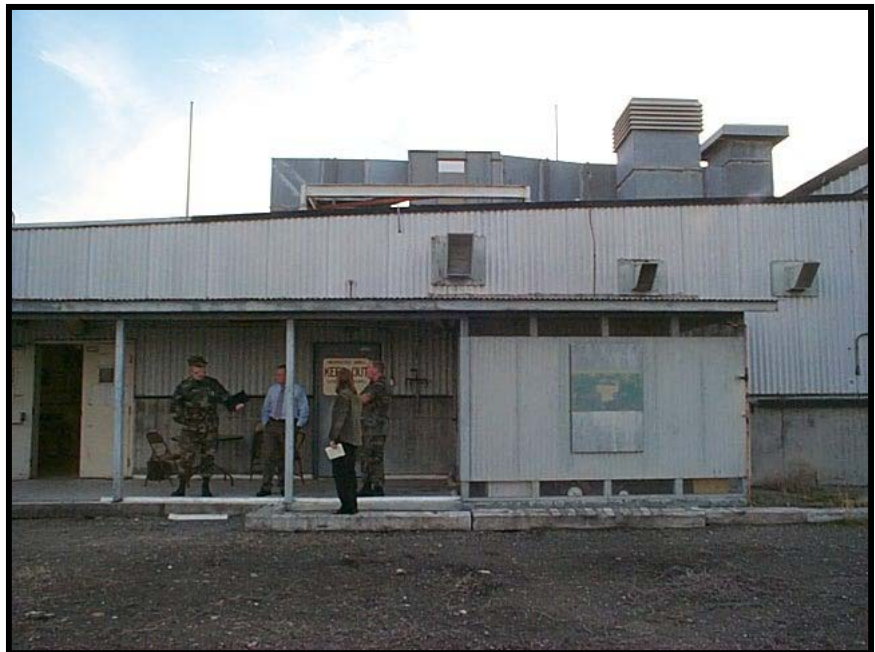


Photo Number : 11

Comment:
Outside View of Building
484.

Photo Number : 12

Comment:
Outside View of Building 484.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 13

Comment:
Building 484 Maintenance Shop.

Photo Number : 14

Comment:
Interior View of Building 484.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 15

Comment:
Outside View of Building 545.

Photo Number : 16

Comment:
Interior View of Building 546.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 17

Comment:
Outside View of Building
546.

Photo Number : 18

Comment:
Outside View of Building 546
and Hazardous Materials
Container.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 19

Comment:
Outside View of Building
650.

Photo Number : 20

Comment:
Building 650 Maintenance
Shops.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 21

Comment:
Building 650 Hazardous
Materials Storage Cabinet.

Photo Number : 22

Comment:
Outside View of Building 655.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 23

Comment:
Interior View of Building 655
Warehouse/Supply Storage.

Photo Number : 24

Comment:
Outside View of Building 656
Operations Headquarters.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002

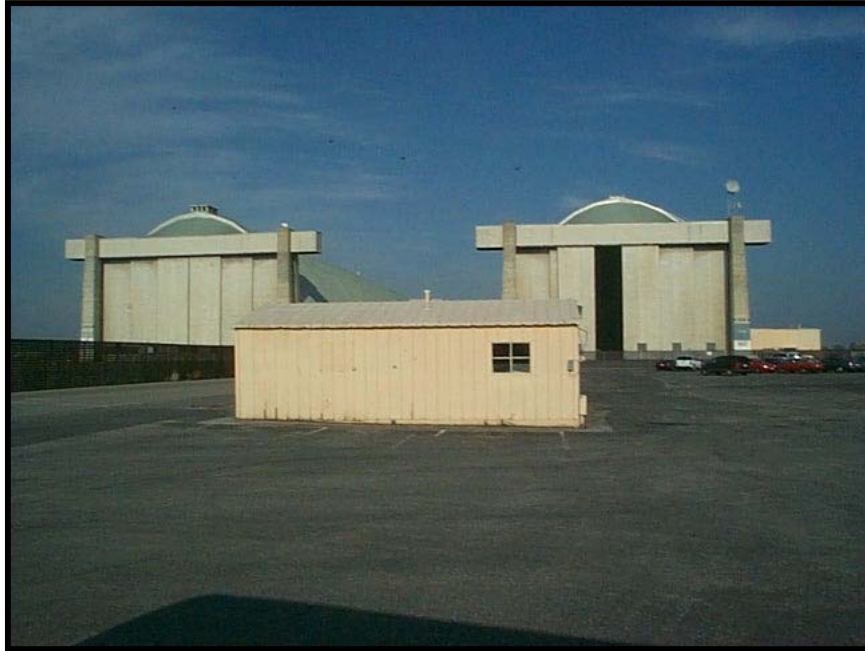


Photo Number : 25

Comment:
View of Building 657 Admin
Storage, Hangars in
Background.

Photo Number : 26

Comment:
Outside View of Building
660.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 27

Comment:
View of Building 650
Radiation Area.

Photo Number : 28

Comment:
Outside View of Building
682.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 29

Comment:
Interior View of Building 682.

Photo Number : 30

Comment:
View of Building 684 Aerospace
Ground Equipment (AGE).



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 31

Comment:
View of Building 684 Battery Storage Area.

Photo Number : 32

Comment:
View of Building 684
Hazardous Waste Storage Area.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 33

Comment:
Outside View of Building
684.

Photo Number : 34

Comment:
View of Building 684 Oil
Water Separator Area.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002

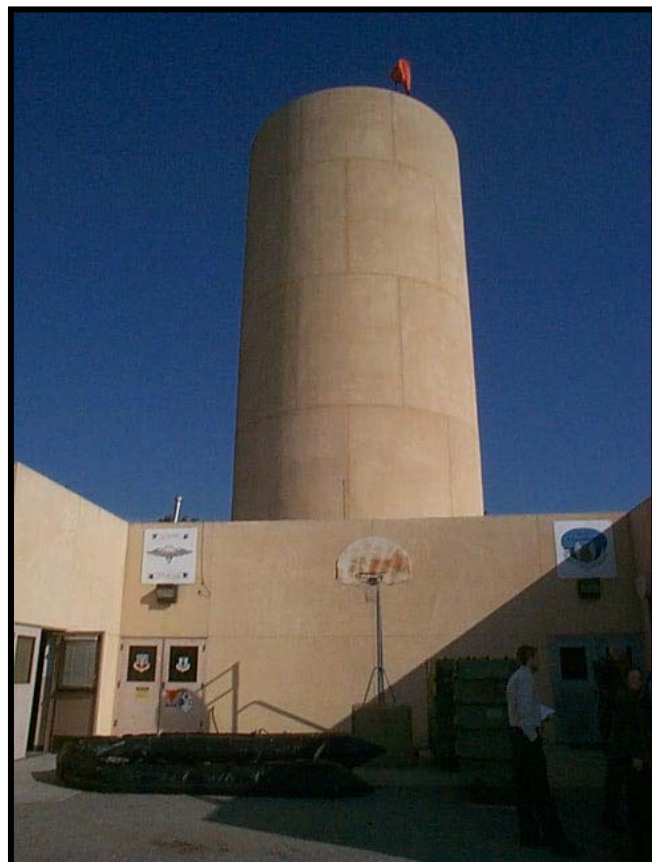


Photo Number : 35

Comment:
Outside View of Building 685
Hazardous Waste Storage
Area.

Photo Number : 36

Comment:
View of Building 686 PJ Tower.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 37

Comment:
Outside View of Building
686.

Photo Number : 38

Comment:
View of Building 686
Hazardous Materials Storage.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002

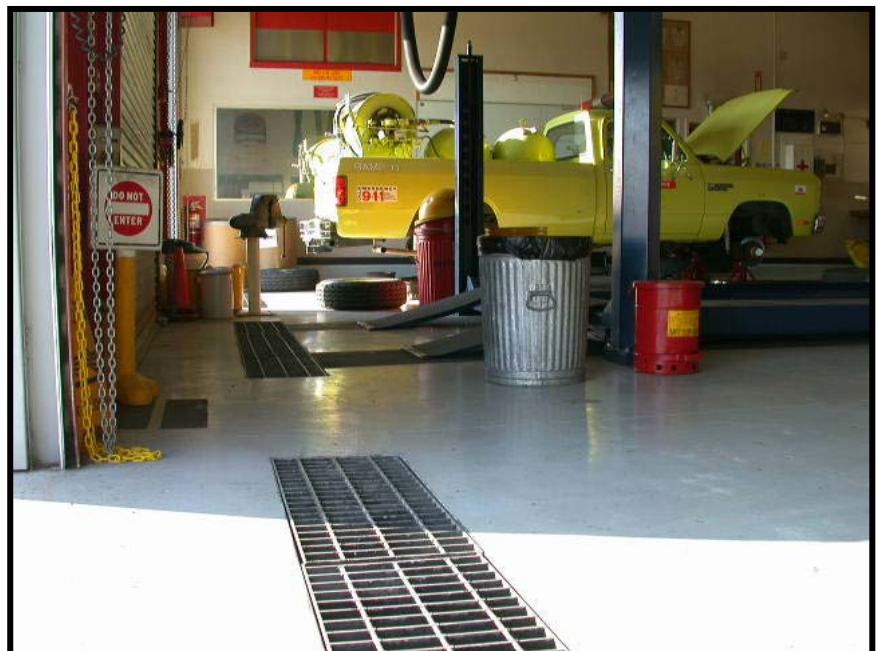


Photo Number : 39

Comment:
Building 686 Supply Storage.

Photo Number : 40

Comment:
View of Building 146 Vehicle
Maintenance Facility.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 41

Comment:
View of Building 146 Vehicle
Maintenance Facility.

Photo Number : 42

Comment:
View of Building 679 Storage
Sheds.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 43

Comment:
View of Vent Pipes in
Building 681.

Photo Number : 44

Comment:
View of Storage Sheds outside of
Building 680 Wing
Headquarters.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 45

Comment:
View of Building 681 Supply Contracting.

Photo Number : 46

Comment:
View of Storage Area Outside of Building 683.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 47

Comment:
View of Building 687 Connex
Containers for Computer
Equipment Storage.

Photo Number : 48

Comment:
View of Building 146 Vehicle
Operations/Maintenance.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 49

Comment:
View of Building 146 Cement
Clogged OWS.

Photo Number : 50

Comment:
View of Vehicle
Operations/Maintenance.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 51

Comment:
View of Navy and Marine
Storage Warehouse near
Building 111.

Photo Number : 52

Comment:
View of Vehicle
Operations/Maintenance.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 53

Comment:
View of Hazmat Storage
(Building 682).

Photo Number : 54

Comment:
View of Empty ISO Containers.



Photographic Record

Client: 129th Rescue Wing, California Air National Guard
Location: Moffett Federal Airfield, California

Date: December 2-3, 2002



Photo Number : 55

Comment:
View of Hangars 2 & 3 from
ANG Facilities.

[This Page Intentionally Left Blank]

Appendix D

Federal and State Database Search and Chain-Of-Title Report

This page intentionally left blank



The EDR Radius Map with GeoCheck[®]

**CA Air Nat. Guard 129th Rescue Wing
129th Rescue Wing Bldg 683
Moffett Field Nas, CA 94035**

Inquiry Number: 911071.4s

January 15, 2003

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
EDR Proprietary Historical Map Findings	69
Orphan Summary	70
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-6
Physical Setting Source Map Findings	A-7
Physical Setting Source Records Searched	A-9

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

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, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL EDR BE LIABLE TO ANYONE, 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 2003 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.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

129TH RESCUE WING BLDG 683
MOFFETT FIELD NAS, CA 94035

COORDINATES

Latitude (North): 37.410900 - 37° 24' 39.2"
Longitude (West): 122.045000 - 122° 2' 42.0"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 584515.8
UTM Y (Meters): 4140680.2

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2437122-D1 MOUNTAIN VIEW, CA
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
MOFFETT AIR STATION NAS MOFFETT FIELD MOUNTAIN VIEW, CA 94035	FTTS	N/A
NAVAL AIR RESERVE SANTA CLARA MOFFETT FIELD NS MOFFETT FIELD NAS, CA 94035	FINDS	110010462837
MOFFETT NAVAL AIR STATION NAVAL AIR STN MOFFETT FIELD, CA	CA SLIC	N/A
USNAVY MOFFETT FIELD NAVAL AIR STATION WESTCOT ROAD & DAILY ROAD MOFFETT FIELD, CA 94035	FINDS	110006836512
USNAVY NAVAL AIR STATION MOFFETT FIELD WESCOAT RD AND DAILEY RD MOFFETT FIELD, CA 94035	RCRIS-LQG FINDS CERC-NFRAP HIST UST	CA0170023238

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

Proposed NPL..... Proposed National Priority List Sites
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-SQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

AWP..... Annual Workplan Sites
Notify 65..... Proposition 65 Records
WMUDS/SWAT..... Waste Management Unit Database
UST..... List of Underground Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
CA FID UST..... Facility Inventory Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
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
PADS..... PCB Activity Database System
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Petroleum Storage Tank Facilities
CLEANERS..... Cleaner Facilities
CA WDS..... Waste Discharge System
DEED..... List of Deed Restrictions
HAZNET..... Hazardous Waste Information System
SAN JOSE HAZMAT..... Hazardous Material Facilities

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). 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

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/24/2002 has revealed that there are 3 NPL sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MOFFETT NAVAL AIR STATION</i>	<i>MOFFETT FIELD NAS</i>	<i>0 - 1/8</i>	<i>0</i>	<i>14</i>
<i>NATIONAL SEMICONDUCTOR CO</i>	<i>313 FAIRCHILD DR</i>	<i>1/2 - 1 SSW</i>	<i>0</i>	<i>22</i>
<i>RAYTHEON COMPANY</i>	<i>350 ELLIS ST REMEDIATIO</i>	<i>1/2 - 1 SSW</i>	<i>0</i>	<i>27</i>

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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.

A review of the CERCLIS list, as provided by EDR, and dated 08/15/2002 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MOFFETT NAVAL AIR STATION</i>	<i>MOFFETT FIELD NAS</i>	<i>0 - 1/8</i>	<i>0</i>	<i>14</i>

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

A review of the CORRACTS list, as provided by EDR, and dated 09/29/2002 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>NATIONAL SEMICONDUCTOR CO</i>	<i>313 FAIRCHILD DR</i>	<i>1/2 - 1 SSW</i>	<i>0</i>	<i>22</i>
<i>LOCKHEED MISSILES & SPACE COMP</i>	<i>111 LOCKHEED WAY</i>	<i>1/2 - 1 ESE</i>	<i>F28</i>	<i>55</i>

EXECUTIVE SUMMARY

STATE ASTM STANDARD

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

A review of the Cal-Sites list, as provided by EDR, has revealed that there are 11 Cal-Sites sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOFFETT FEDERAL AIRFIELD, OU-3	2,200 ACRES; 35MI S OF	1/4 - 1/2SE	11	37
NEC ELECTRONICS INCORPORATED	501 ELLIS STREET	1/2 - 1 SSW	19	46
SILTEC CORPORATION	405 NATIONAL AVENUE	1/2 - 1 SW	20	46
OPEN FIELD / SUNNYVALE LANDFIL	BETWEEN HIGHWAY 237 / H	1/2 - 1 SSE	D21	47
FAIRCHILD SEMICONDUCTOR/MT. VI	464 ELLIS ST	1/2 - 1 SSW	E23	48
ONIZUKA AIR STATION	1080 LOCKHEED WAY	1/2 - 1 ESE	25	49
SUNNYVALE NIROP	1111 LOCKHEED WAY, BLDG	1/2 - 1 ESE	F29	61
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NASA-AMES AOI 10	MOFFETT FIELD	1/4 - 1/2NW	B7	31
MOFFETT FEDERAL AIRFIELD,	2 200 ACRES 35MI OF SAN	1/4 - 1/2NW	B8	34
MOFFETT FEDERAL AIRFIELD, OU-2	2,200 ACRES; 35MI S OF	1/4 - 1/2NW	B9	36
MOFFETT FEDERAL AIRFIELD, STAT	2,200 ACRES; 35MI S OF	1/4 - 1/2NW	B10	36

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 12/31/2001 has revealed that there are 7 CHMIRS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	N/B HWY 101 1/2MI NORTH	1/4 - 1/2ESE	12	38
Not reported	670 NATIONAL STREET	1/2 - 1 SW	17	44
Not reported	US 101 S/O SR 237	1/2 - 1 SSE	D24	48
LOCKHEED MISSILE & SPACE AUTO M	BLDG 109 111 LOCKHEED W	1/2 - 1 ESE	F27	52
Not reported	1111 LOCKHEED WAY	1/2 - 1 ESE	F30	61
Not reported	1111 LOCKHEED WAY	1/2 - 1 ESE	F31	63
Not reported	1101 LOCKHEED WAY	1/2 - 1 ESE	35	67

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 9 Cortese sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RMC LONESTAR	605 FAIRCHILD DR	1/2 - 1 SSW	14	40
CHEVRON	645 ELLIS ST	1/2 - 1 SSW	C15	41
YEE PROPERTY	636 ELLIS ST	1/2 - 1 SSW	C16	43

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
A-1 RENTS(NEW CASE)	630 NATIONAL	1/2 - 1 SW	18	45
ONIZUKA AIR STATION	1080 LOCKHEED WAY	1/2 - 1 ESE	25	49
CALIFORNIA FLOWER SHIPPER	440 LOGUE	1/2 - 1 SSW	G32	64
ROSEBURG FOREST PRODUCTS	441 LOGUE AVE	1/2 - 1 SSW	G33	64
LAWRENCE PROPERTY	111 FAIRCHILD DR	1/2 - 1 WSW	34	66
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOFFETT FEDERAL AIRFIELD,	2 200 ACRES 35MI OF SAN	1/4 - 1/2NW	B8	34

TOXIC PITS: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, has revealed that there is 1 Toxic Pits site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LOCKHEED MISSILE & SPACE CO.	1111 LOCKHEED WAY	1/2 - 1 ESE	F26	52

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NASA MOFFETT FIELD CLOSED LAND	NORTHERN AREA OF FIELD;	1/4 - 1/2N	13	39

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/11/2002 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOFFETT NAVAL AIR STATION	MOFFETT FIELD NAS	0 - 1/8	0	14

BEP: Bond Expenditure Plan comes from the Department of Health Services.

A review of the CA BOND EXP. PLAN list, as provided by EDR, has revealed that there are 2 CA BOND EXP. PLAN sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FAIRCHILD SEMICONDUCTOR	464 ELLIS STREET	1/2 - 1 SSW	E22	47
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOFFETT NAVAL AIR STATION		1/4 - 1/2NW	B6	31

EXECUTIVE SUMMARY

VCP: 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.

A review of the VCP list, as provided by EDR, and dated 10/10/2002 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>NASA-AMES AOI 10</i>	<i>MOFFETT FIELD</i>	<i>1/4 - 1/2NW</i>	<i>B7</i>	<i>31</i>

FEDERAL ASTM SUPPLEMENTAL

RODS: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, has revealed that there are 3 ROD sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MOFFETT NAVAL AIR STATION</i>	<i>MOFFETT FIELD NAS</i>	<i>0 - 1/8</i>	<i>0</i>	<i>14</i>
<i>NATIONAL SEMICONDUCTOR CO</i>	<i>313 FAIRCHILD DR</i>	<i>1/2 - 1 SSW</i>	<i>0</i>	<i>22</i>
<i>RAYTHEON COMPANY</i>	<i>350 ELLIS ST REMEDIATIO</i>	<i>1/2 - 1 SSW</i>	<i>0</i>	<i>27</i>

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

EXECUTIVE SUMMARY

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

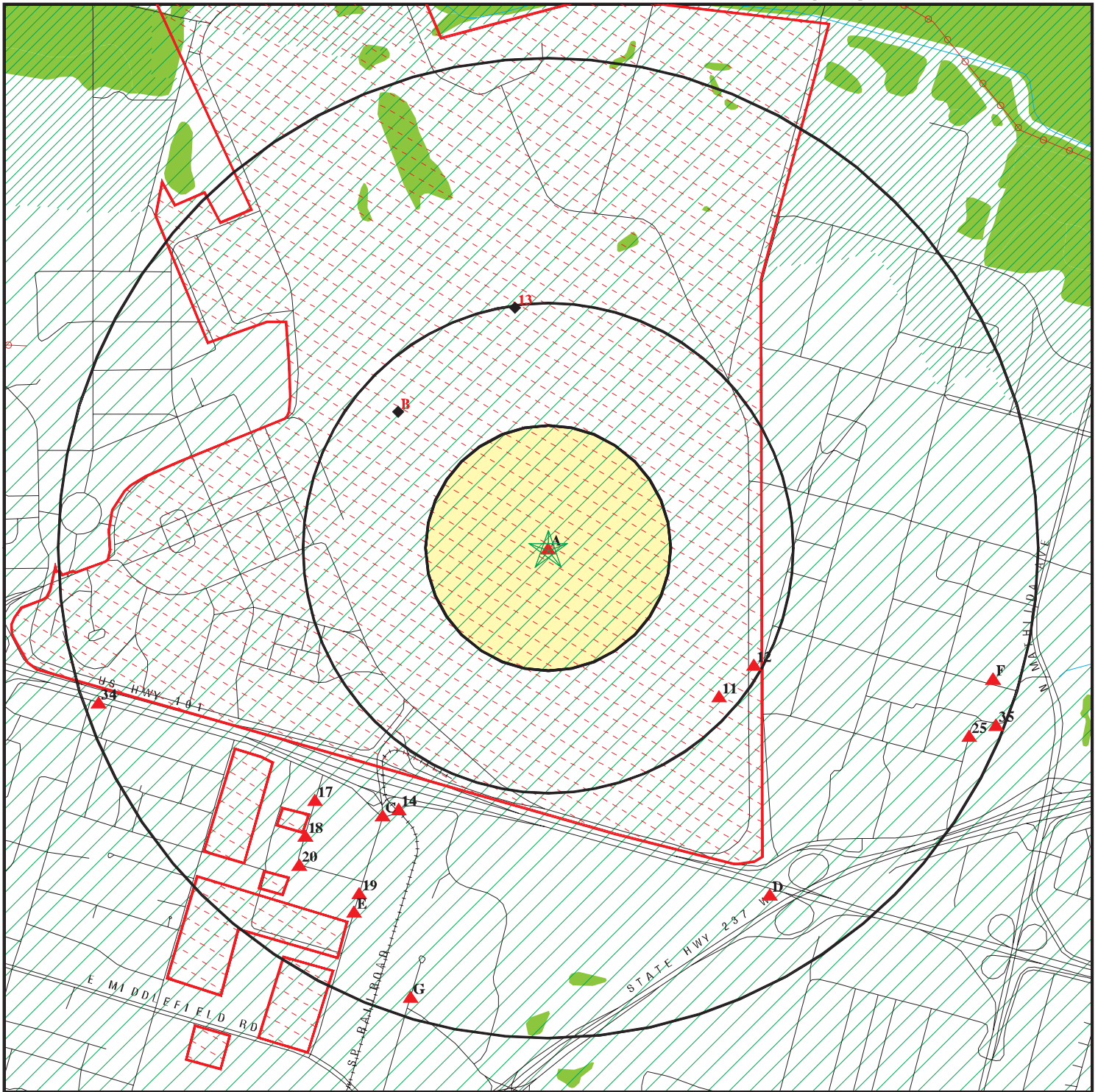
Site Name

UNION MINE LANDFILL
MONOLITHIC MEMORIES
US AIR FORCE SUNNYVALE

Database(s)

Notify 65, Cal-Sites
Cal-Sites
LUST

OVERVIEW MAP - 911071.4s - The Environmental Company, Inc



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ▨ National Priority List Sites
- ▨ Landfill Sites

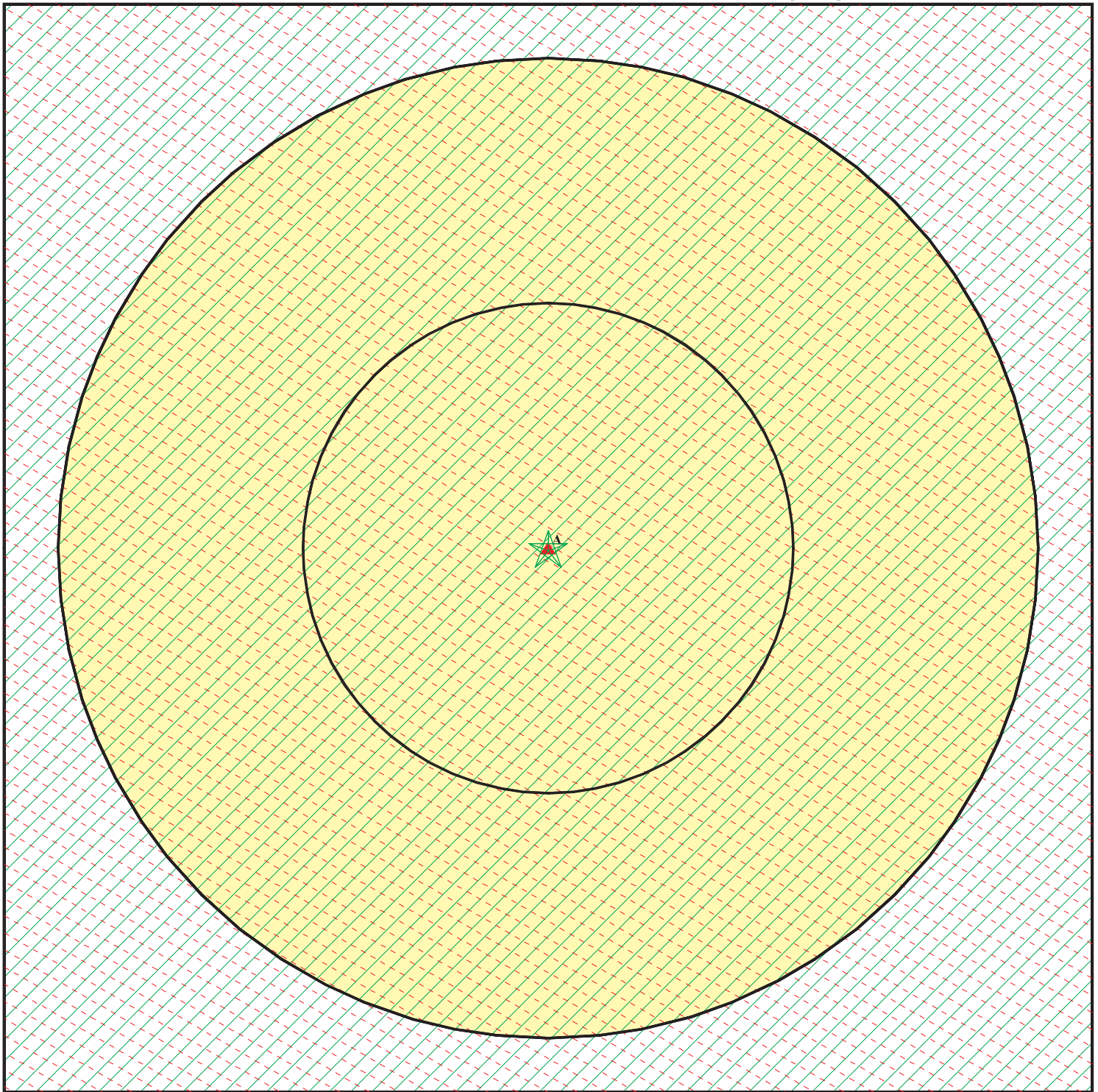
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands

▨ Areas of Concern

TARGET PROPERTY: CA Air Nat. Guard 129th Rescue Wing
 ADDRESS: 129th Rescue Wing Bldg 683
 CITY/STATE/ZIP: Moffett Field Nas CA 94035
 LAT/LONG: 37.4109 / 122.0450

CUSTOMER: The Environmental Company, Inc
 CONTACT: Chris E. Davis
 INQUIRY #: 911071.4s
 DATE: January 15, 2003 1:02 pm

DETAIL MAP - 911071.4s - The Environmental Company, Inc



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ⌘ Historical Gas Stations / Historical Dry Cleaners
See the EDR Proprietary Historical Map Findings
- ⌘ Sensitive Receptors
- ⌘ National Priority List Sites
- ⌘ Landfill Sites



- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:	CA Air Nat. Guard 129th Rescue Wing 129th Rescue Wing Bldg 683 Moffett Field Nas CA 94035 37.4109 / 122.0450	CUSTOMER: CONTACT: INQUIRY #: DATE:	The Environmental Company, Inc Chris E. Davis 911071.4s January 15, 2003 1:02 pm
--	---	--	---

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	1	0	0	2	NR	3
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	1	0	0	NR	NR	1
CERC-NFRAP	X	0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	2	NR	2
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	5	6	NR	11
CHMIRS		1.000	0	0	1	6	NR	7
Cortese		1.000	0	0	1	8	NR	9
Notify 65		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	1	NR	NR	1
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST		0.500	1	0	0	NR	NR	1
CA Bond Exp. Plan		1.000	0	0	1	1	NR	2
UST		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	0	1	NR	NR	1
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
HIST UST	X	0.250	0	0	NR	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	1	0	0	2	NR	3
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS	X	TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
CA SLIC	X	0.500	0	0	0	NR	NR	0
HAZNET		0.250	0	0	NR	NR	NR	0
SAN JOSE HAZMAT		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Gas Stations/Dry Cleaners		0.250	0	0	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MOFFETT NAVAL AIR STATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S100465624

Date of Wells Closure:
 Nearest Public or Private Drinking Water Well (Feet): 0
 Under Jurisdiction of Lead Agency Date: 9/1/82
 Latitude/Longitude: 0 / 0
 Flow Rate: 0
 Flow Date:
 Percent of Contaminants Contained: 0
 Contaminant Type:
 EPA ID: T
 Stages of Site Investigation Process Initiated:
 Begun Characterization : Yes
 Completed Characterization : No
 Begun Remediation: No
 Completed Remediation: No
 Submitted Remediation Plan: No
 Approved Remediation Plan: No
 Begun Final Remedial Action: No
 Completed Final Remedial Action: No
 Facility Desc: MILITARY BASE
 Comment: Not reported

A4 **USNAVY MOFFETT FIELD NAVAL AIR STATION**
Target **WESTCOT ROAD & DAILY ROAD**
Property **MOFFETT FIELD, CA 94035**

FINDS **1006159174**
110006836512

Site 4 of 5 in cluster A

A5 **USNAVY NAVAL AIR STATION MOFFETT FIELD**
Target **WESCOAT RD AND DAILEY RD**
Property **MOFFETT FIELD, CA 94035**

RCRIS-LQG **1000147307**
FINDS **CA0170023238**
CERC-NFRAP
HIST UST

Site 5 of 5 in cluster A

CERCLIS-NFRAP Classification Data:
 Site Incident Category: Not reported Federal Facility: Federal Facility
 Non NPL Code: NFRAP
 Ownership Status: Federally Owned NPL Status: Not on the NPL
 CERCLIS-NFRAP Assessment History:
 Assessment: DISCOVERY Completed: 05/01/1988
 Assessment: PRELIMINARY ASSESSMENT Completed: 02/07/1992
 Assessment: ARCHIVE SITE Completed: 02/07/1992
 CERCLIS-NFRAP Alias Name(s):
 NAVAL AIR STATION MOFFETT FIELD
 RCRIS:
 Owner: UNITED STATES NAVY
 (415) 603-9830
 EPA ID: CA0170023238
 Contact: CHARLES R HERON
 (415) 603-9830
 Classification: Large Quantity Generator
 Used Oil Recyc: No
 TSDF Activities: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

USNAVY NAVAL AIR STATION MOFFETT FIELD (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000147307

Violation Status: Violations exist

Regulation Violated:	268.7
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	11/24/1987
Actual Date Achieved Compliance:	05/10/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/03/1988
Penalty Type:	Not reported
Regulation Violated:	262.50-60
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/24/1987
Actual Date Achieved Compliance:	05/10/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/03/1988
Penalty Type:	Not reported

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

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19880510
Other Evaluation	GENERATOR-LAND BAN REQUIREMENTS	19880510

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- AIRS Facility System (AIRS/AFS)
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
- Facility Registry System (FRS)
- National Compliance Database (NCDB)
- Resource Conservation and Recovery Act Information system (RCRAINFO)
- Toxic Chemical Release Inventory System (TRIS)

UST HIST:

Facility ID:	48189	Container Num:	10-#1
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	2000		
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Construction:	Not reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION

Facility ID:	48189	Container Num:	10-#2
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	5000		
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Construction:	Not reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION

Facility ID: 48189

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

USNAVY NAVAL AIR STATION MOFFETT FIELD (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000147307

<p>Tank Num: 3 Tank Capacity: 2000 Tank Used for: WASTE Type of Fuel: Not Reported Leak Detection: GW Monitoring Well Contact Name: Not reported Total Tanks: 32 Facility Type: 2</p>	<p>Container Num: 47POWER PL Year Installed: 1979 Tank Construction: Not reported Telephone: (415) 966-5326 Region: STATE Other Type: NAVAL AIR STATION</p>
<p>Facility ID: 48189 Tank Num: 4 Tank Capacity: 10000 Tank Used for: PRODUCT Type of Fuel: Not Reported Leak Detection: None Contact Name: Not reported Total Tanks: 32 Facility Type: 2</p>	<p>Container Num: 55 Year Installed: 1980 Tank Construction: Not reported Telephone: (415) 966-5326 Region: STATE Other Type: NAVAL AIR STATION</p>
<p>Facility ID: 48189 Tank Num: 5 Tank Capacity: 50000 Tank Used for: PRODUCT Type of Fuel: DIESEL Leak Detection: Visual, Stock Inventor, GW Monitoring Well Contact Name: Not reported Total Tanks: 32 Facility Type: 2</p>	<p>Container Num: 58 Year Installed: 1941 Tank Construction: Not reported Telephone: (415) 966-5326 Region: STATE Other Type: NAVAL AIR STATION</p>
<p>Facility ID: 48189 Tank Num: 6 Tank Capacity: 50000 Tank Used for: PRODUCT Type of Fuel: DIESEL Leak Detection: Visual, Stock Inventor, GW Monitoring Well Contact Name: Not reported Total Tanks: 32 Facility Type: 2</p>	<p>Container Num: 59 Year Installed: 1941 Tank Construction: Not reported Telephone: (415) 966-5326 Region: STATE Other Type: NAVAL AIR STATION</p>
<p>Facility ID: 48189 Tank Num: 7 Tank Capacity: 25000 Tank Used for: PRODUCT Type of Fuel: Not Reported Leak Detection: Visual, Stock Inventor Contact Name: Not reported Total Tanks: 32 Facility Type: 2</p>	<p>Container Num: 60 Year Installed: 1941 Tank Construction: Not reported Telephone: (415) 966-5326 Region: STATE Other Type: NAVAL AIR STATION</p>
<p>Facility ID: 48189 Tank Num: 8 Tank Capacity: 25000 Tank Used for: PRODUCT Type of Fuel: Not Reported Leak Detection: Visual, Stock Inventor, GW Monitoring Well Contact Name: Not reported Total Tanks: 32</p>	<p>Container Num: 61 Year Installed: 1941 Tank Construction: Not reported Telephone: (415) 966-5326 Region: STATE</p>

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

USNAVY NAVAL AIR STATION MOFFETT FIELD (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000147307

Facility Type: 2	Other Type: NAVAL AIR STATION
Facility ID: 48189	
Tank Num: 9	Container Num: 135
Tank Capacity: 150000	Year Installed: 1953
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor, GW Monitoring Well	
Contact Name: Not reported	Telephone: (415) 966-5326
Total Tanks: 32	Region: STATE
Facility Type: 2	Other Type: NAVAL AIR STATION
Facility ID: 48189	
Tank Num: 10	Container Num: 136
Tank Capacity: 150000	Year Installed: 1953
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor, GW Monitoring Well	
Contact Name: Not reported	Telephone: (415) 966-5326
Total Tanks: 32	Region: STATE
Facility Type: 2	Other Type: NAVAL AIR STATION
Facility ID: 48189	
Tank Num: 11	Container Num: 137
Tank Capacity: 560000	Year Installed: 1953
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor, GW Monitoring Well	
Contact Name: Not reported	Telephone: (415) 966-5326
Total Tanks: 32	Region: STATE
Facility Type: 2	Other Type: NAVAL AIR STATION
Facility ID: 48189	
Tank Num: 12	Container Num: 138
Tank Capacity: 560000	Year Installed: 1953
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor, GW Monitoring Well	
Contact Name: Not reported	Telephone: (415) 966-5326
Total Tanks: 32	Region: STATE
Facility Type: 2	Other Type: NAVAL AIR STATION
Facility ID: 48189	
Tank Num: 13	Container Num: 139
Tank Capacity: 560000	Year Installed: 1953
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor, GW Monitoring Well	
Contact Name: Not reported	Telephone: (415) 966-5326
Total Tanks: 32	Region: STATE
Facility Type: 2	Other Type: NAVAL AIR STATION
Facility ID: 48189	
Tank Num: 14	Container Num: 140
Tank Capacity: 560000	Year Installed: 1953
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Construction: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

USNAVY NAVAL AIR STATION MOFFETT FIELD (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000147307

Leak Detection: Visual, Stock Inventor, GW Monitoring Well
Contact Name: Not reported Telephone: (415) 966-5326
Total Tanks: 32 Region: STATE
Facility Type: 2 Other Type: NAVAL AIR STATION

Facility ID: 48189
Tank Num: 15 Container Num: 158
Tank Capacity: 1100 Year Installed: Not reported
Tank Used for: PRODUCT
Type of Fuel: DIESEL Tank Construction: Not reported
Leak Detection: Stock Inventor
Contact Name: Not reported Telephone: (415) 966-5326
Total Tanks: 32 Region: STATE
Facility Type: 2 Other Type: NAVAL AIR STATION

Facility ID: 48189
Tank Num: 16 Container Num: 252
Tank Capacity: 1000 Year Installed: Not reported
Tank Used for: PRODUCT
Type of Fuel: DIESEL Tank Construction: Not reported
Leak Detection: Stock Inventor
Contact Name: Not reported Telephone: (415) 966-5326
Total Tanks: 32 Region: STATE
Facility Type: 2 Other Type: NAVAL AIR STATION

Facility ID: 48189
Tank Num: 17 Container Num: 253-#1
Tank Capacity: 105000 Year Installed: 1957
Tank Used for: PRODUCT
Type of Fuel: Not Reported Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor
Contact Name: Not reported Telephone: (415) 966-5326
Total Tanks: 32 Region: STATE
Facility Type: 2 Other Type: NAVAL AIR STATION

Facility ID: 48189
Tank Num: 18 Container Num: 253-#2
Tank Capacity: 3000 Year Installed: 1957
Tank Used for: PRODUCT
Type of Fuel: Not Reported Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor
Contact Name: Not reported Telephone: (415) 966-5326
Total Tanks: 32 Region: STATE
Facility Type: 2 Other Type: NAVAL AIR STATION

Facility ID: 48189
Tank Num: 19 Container Num: 300
Tank Capacity: 935 Year Installed: Not reported
Tank Used for: PRODUCT
Type of Fuel: DIESEL Tank Construction: Not reported
Leak Detection: Stock Inventor
Contact Name: Not reported Telephone: (415) 966-5326
Total Tanks: 32 Region: STATE
Facility Type: 2 Other Type: NAVAL AIR STATION

Facility ID: 48189
Tank Num: 20 Container Num: 431

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

USNAVY NAVAL AIR STATION MOFFETT FIELD (Continued)

1000147307

Tank Capacity:	5000	Year Installed:	Not reported
Tank Used for:	PRODUCT		
Type of Fuel:	UNLEADED	Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor, GW Monitoring Well		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION
Facility ID:	48189		
Tank Num:	21	Container Num:	432
Tank Capacity:	5000	Year Installed:	Not reported
Tank Used for:	PRODUCT		
Type of Fuel:	UNLEADED	Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor, GW Monitoring Well		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION
Facility ID:	48189		
Tank Num:	22	Container Num:	454
Tank Capacity:	1000	Year Installed:	Not reported
Tank Used for:	PRODUCT		
Type of Fuel:	DIESEL	Tank Construction:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION
Facility ID:	48189		
Tank Num:	23	Container Num:	484
Tank Capacity:	600	Year Installed:	Not reported
Tank Used for:	PRODUCT		
Type of Fuel:	DIESEL	Tank Construction:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION
Facility ID:	48189		
Tank Num:	24	Container Num:	524-#1
Tank Capacity:	1032000	Year Installed:	1969
Tank Used for:	WASTE		
Type of Fuel:	Not Reported	Tank Construction:	Not reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION
Facility ID:	48189		
Tank Num:	25	Container Num:	524-#2
Tank Capacity:	532000	Year Installed:	1969
Tank Used for:	WASTE		
Type of Fuel:	Not Reported	Tank Construction:	Not reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

USNAVY NAVAL AIR STATION MOFFETT FIELD (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000147307

Facility ID:	48189	Container Num:	535
Tank Num:	26	Year Installed:	1971
Tank Capacity:	0	Tank Construction:	Not reported
Tank Used for:	WASTE	Telephone:	(415) 966-5326
Type of Fuel:	Not Reported	Region:	STATE
Leak Detection:	None	Other Type:	NAVAL AIR STATION
Contact Name:	Not reported		
Total Tanks:	32		
Facility Type:	2		
Facility ID:	48189	Container Num:	545WOT-1
Tank Num:	27	Year Installed:	1977
Tank Capacity:	10000	Tank Construction:	Not reported
Tank Used for:	WASTE	Telephone:	(415) 966-5326
Type of Fuel:	WASTE OIL	Region:	STATE
Leak Detection:	Visual, GW Monitoring Well	Other Type:	NAVAL AIR STATION
Contact Name:	Not reported		
Total Tanks:	32		
Facility Type:	2		
Facility ID:	48189	Container Num:	549
Tank Num:	28	Year Installed:	1974
Tank Capacity:	1350	Tank Construction:	Not reported
Tank Used for:	PRODUCT	Telephone:	(415) 966-5326
Type of Fuel:	DIESEL	Region:	STATE
Leak Detection:	Stock Inventor	Other Type:	NAVAL AIR STATION
Contact Name:	Not reported		
Total Tanks:	32		
Facility Type:	2		
Facility ID:	48189	Container Num:	563
Tank Num:	29	Year Installed:	1977
Tank Capacity:	150	Tank Construction:	Not reported
Tank Used for:	PRODUCT	Telephone:	(415) 966-5326
Type of Fuel:	DIESEL	Region:	STATE
Leak Detection:	None	Other Type:	NAVAL AIR STATION
Contact Name:	Not reported		
Total Tanks:	32		
Facility Type:	2		
Facility ID:	48189	Container Num:	580
Tank Num:	30	Year Installed:	1983
Tank Capacity:	4000	Tank Construction:	Not reported
Tank Used for:	PRODUCT	Telephone:	(415) 966-5326
Type of Fuel:	DIESEL	Region:	STATE
Leak Detection:	Stock Inventor	Other Type:	NAVAL AIR STATION
Contact Name:	Not reported		
Total Tanks:	32		
Facility Type:	2		
Facility ID:	48189	Container Num:	C6-82-1
Tank Num:	31	Year Installed:	1984
Tank Capacity:	4000	Tank Construction:	Not reported
Tank Used for:	WASTE		
Type of Fuel:	Not Reported		
Leak Detection:	Sensor Instrument, GW Monitoring Well		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

USNAVY NAVAL AIR STATION MOFFETT FIELD (Continued)

1000147307

Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION
Facility ID:	48189	Container Num:	C6-82-2
Tank Num:	32	Year Installed:	1984
Tank Capacity:	4000	Tank Construction:	Not reported
Tank Used for:	WASTE		
Type of Fuel:	Not Reported		
Leak Detection:	Sensor Instrument, GW Monitoring Well		
Contact Name:	Not reported	Telephone:	(415) 966-5326
Total Tanks:	32	Region:	STATE
Facility Type:	2	Other Type:	NAVAL AIR STATION

NPL
Region

 < 1/8
 1 ft.

MOFFETT NAVAL AIR STATION
MOFFETT FIELD NAS
MOFFETT FIELD, CA 94035

CERCLIS **1000228683**
NPL **CA2170090078**
ROD
LUST

CERCLIS Classification Data:

Site Incident Category:	Not reported	Federal Facility:	Federal Facility
Non NPL Status:	Not reported		
Ownership Status:	Federally Owned	NPL Status:	Currently on the Final NPL
Contact:	Jere Johnson	Contact Tel:	(415) 972-3094
Contact Title:	Not reported		

Site Description: Moffett Field was continuously operated by the US military after it was commissioned in 1933 to support the West Coast Dirigibles of the lighter than air (LTA) program until 1994. In 1939, a permit was granted to Ames Aeronautical Laboratory to use part of the station. In 1942, the station was returned to Navy control and was named Naval Air Station Moffett Field. In late 1942, the heavier than air (HTA) program was initiated and began to take precedence over the LTA program. In 1945, the HTA program was moved and Moffett Field was used as a major overhaul and repair base. In 1949, the station became home to the Military Air Transport Service Squadron. By 1950, Moffett Field was the largest naval air transport base on the West Coast, and in 1953 it became home to all Navy fixed-wing land-based antisubmarine efforts. A weapons department was formed on the base in 1954, and in February 1966 the base activated its high speed refueling facilities. During the station reorganization in 1973, it became the headquarters of the Commander Patrol Wings, US Pacific Fleet. During the 1980s and early 1990s, the mission of Moffett Field was to support antisubmarine warfare training and patrol squadrons, and it became the largest P-3 Orion patrol aircraft base in the world with nearly 100 aircraft. No heavy manufacturing or major aircraft maintenance was conducted, but a significant amount of unit and intermediate level maintenance occurred. In April 1991, Moffett Field was designated for closure, and on July 1, 1994, control of the base was transferred to National Aeronautics and Space Administration (NASA). Wastes have been generated at Moffett Field through maintenance operations, fuel management, and fire training since the early 1930s. Chemicals of potential concern include waste oils and jet fuels; solvents and cleaners; washing compounds; and lesser amounts of gasoline, hydraulic fluids, asbestos, paints, pesticides, battery acid, and PCBs.

Wastes were disposed of in unlined landfills, drained through drainage ditches and unpaved areas, and stored temporarily in unlined wastewater ponds. In addition, some underground storage tanks (USTs)

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MOFFETT NAVAL AIR STATION (Continued)

1000228683

and sumps were found to have leaked petroleum hydrocarbons and fuels, and lesser amounts of waste oils and solvents. Environmental studies were initiated at Moffett Field in 1984. The Navy began conducting these environmental restoration activities as part of the Department of Defense Installation Restoration Program (IRP). The Navy conducted an initial assessment study (IAS) in 1984 to gather data on the past use and disposal of hazardous materials at the base. Nineteen sites were identified as potential sources of wastes, including nine sites identified in the IAS and 10 sites added during subsequent investigations. Five additional sites were identified during field investigation in the early 1990s. The Environmental Protection Agency (EPA) proposed placing Moffett Field on the National priorities List (NPL) in June 1986, and it was placed on the NPL in 1987. The Remedial Investigation and Feasibility Study (RI/FS) is coordinated through the August 1990 federal facilities agreement (FFA) with EPA and the California Environmental Protection Agency. The RI was implemented in two phases. The Phase I characterization was complete in August 1990. The Phase II investigations were initiated in 1990 to provide more detailed, site specific data. In October, 1992 EPA determined that the aquifers on the western side of Moffett Field were affected by a regional volatile organic compound (VOC) plume emanating from the Middlefield-Ellis-Whisman (MEW) Superfund site south of Moffett Field. EPA determined that these aquifers were subject to the 1989 Record of Decision (ROD) already written for the MEW site and would be remediated per the MEW ROD. Consequently, OU4 was deleted and OU5 was modified to include all aquifers not part of the regional plume. In May 1989, the Navy developed a community relations plan (CRP). The OU5 RI report was released in August 1993. The OU5 FS report was released in August 1995. The proposed plan for remediation of OU5 was released to the public in October, 1995. A public comment period was held from October 27, 1995 through November 30, 1995 with a public meeting on November 16, 1995. Moffett Field has been continuously operated by the U.S. military since it was commissioned in 1933. In 1945, Moffett Field was used as a major overhaul and repair base. In 1954, a weapons department was formed at the base, and then during the 1980s and early 1990s, the mission of Moffett Field was to support antisubmarine warfare training and patrol squadrons. No heavy manufacturing or major aircraft maintenance was conducted at Moffett Field, but a significant amount of unit- and intermediate-level maintenance occurred. In April 1991, Moffett Field was designated for closure as an active military base under the Department of Defense Base Realignment and Closure (BRAC) program. After closure, control of the base was transferred to the National Aeronautics and Space Administration (NASA), however, the Navy will continue with environmental restoration activities and remain responsible for remediating Navy contaminant sources. Wastes have been generated at Moffett Field through maintenance operations, fuel management, and fire training since the early 1930s. Chemicals of potential concern include waste oils and jet fuels; solvents and cleaners; washing compounds; and lesser amounts of gasoline, hydraulic fluids, asbestos, paints, pesticides, battery acid, and polychlorinated biphenyls (PCBs). Wastes were disposed of in unlined landfills, drained through drainage ditches and unpaved areas, and stored temporarily in unlined wastewater ponds. In addition, some underground storage tanks and sumps (many of them now removed) were found to have leaked petroleum hydrocarbons and fuels, and

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MOFFETT NAVAL AIR STATION (Continued)

1000228683

lesser amounts of waste oils and solvents. Environmental studies were initiated at Moffett Field in 1984 with an initial assessment of past use and disposal of hazardous materials. Nineteen sites were identified as potential waste sources. Remedial Investigation/Feasibility Study (RI/FS) work was coordinated through the August 1990 Federal Facilities Agreement with EPA and the State. The Phase I RI characterization was completed in August 1990. The more detailed Phase II investigations identified the need to separate the site into six Operable Units (OUs). Moffett Federal Airfield is located near the southwestern edge of San Francisco Bay in Santa Clara County, California. Moffett Field is bounded by salt evaporation ponds to the north, Stevens Creek to the west, U.S. Highway 101 to the south, and Lockheed Missile and Space Company's Lockheed Aerospace Center to the east. The cities of Sunnyvale and Mountain View are adjacent to the southern portion of Moffett Field. The National Aeronautics and Space Administration (NASA) Ames Research Center is located to the west and north of Moffett Field. Ground surface elevations at Moffett Field range from approximately 36 feet above mean sea level (msl) to 2 feet below msl. A sizable portion of Moffett Field is situated on previously submerged land or marshlands that have been filled to their existing elevations with backfill material. Wetlands located along the northern portion of Moffett Field are the only natural surface water features at the base. The wetlands on Moffett Field are approximately 80 acres in size; about half of this area is below sea level. The portion above sea level is a critical habitat for a variety of mammals and birds. Approximately 1 mile beyond the northern boundary of Moffett field is the San Francisco Bay, which is California's largest estuary. There are no streams on Moffett Field, although several streams are present to the east and west. Coyote Creek and Guadalupe Slough drain into San Francisco Bay to the east of Moffett Field, and Stevens Creek drains into the San Francisco Bay to the west. The large area to the north and northeast of Moffett Field was diked and is now used as commercial salt evaporation ponds. Diked stormwater retention pools also are present north and northwest of the station. No other surface water features are present at Moffett Field, with the exceptions of several small ponds maintained on the Moffett Field golf course as water hazards, stormwater drainage ditches, standing water after floodings or rainfall, and the wetlands described above. The northern Santa Clara Valley groundwater basin is part of the down-dropped structural trough lying between the San Andreas and Hayward Faults. The erosion of the uplifted Santa Cruz Mountains has contributed sediment that has been transported by northward-flowing streams. Moffett Field lies on the San Jose alluvial plain near the toe of alluvial fans emanating from the Santa Cruz Mountains. On a regional scale, the overall sediment grain size becomes finer northward away from the mountains. On a local scale, alluvial processes have juxtaposed clay, silt, sand, and gravel in adjacent depositional environments. The subsurface sediments below Moffett Field are classified as the A, B, and C aquifers. Aquifer materials within Operable Unit 5 (OU5) are composed mainly of interbedded silt, silty clay, and silty sand with some sand and gravel channels of limited extent. The A aquifer is divided into two aquifer zones: a shallow 5 to 35 foot deep zone referred to as the A1-aquifer zone, and a deeper 35-50 foot deep zone referred to as the A2-aquifer zone. The Moffett Field storm drainage system has an effect on the flow direction and velocity of the A1 aquifer zone

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MOFFETT NAVAL AIR STATION (Continued)

1000228683

groundwater at OU 5. In the vicinity of OU5, the system includes the runway subdrains, Marriage Road, Patrol Road, and Navy ditches, and the Building 191 lift station. The Navy ditch penetrates deepest into the A1 aquifer zone and, therefore, probably has the greatest effect on the A1-aquifer groundwater. Continuing operation of the storm drainage system not only affects the A1-aquifer groundwater but also is important to control surface runoff and minimize surface flooding in the OU5 area. A confining layer (A/B aquitard) separates the permeable deposits of the B aquifer from the channels of the A aquifer. The lithologies of the B aquifer sediments are similar in kind and distribution to the lithologies found in the A aquifer. At OU5, the A aquifer is generally semiconfined to confined and the B aquifer is confined. The C aquifer is confined under a laterally extensive clay aquitard (B/C aquitard) that is present beneath Moffett Field between depths of 130 and 160 feet below land surface. The B/C aquitard is a thick, laterally continuous aquitard and the vertical hydraulic gradient is directed upward between the C aquifer and overlying aquifers. The A and B aquifers are not presently used. The C aquifer, however, is used as a source of municipal drinking water for the nearby communities of Mountain View and Sunnyvale, and for irrigation purposes. None of the active municipal water supply or agricultural supply wells are located at Moffett Field. The groundwater flow direction in the A and B aquifers is generally northward toward San Francisco Bay, which is similar to the topographic surface. In the C aquifer, the flow direction is northeast. With the exception of the northern portion of the A aquifer, the aquifers at Moffett Field (A, B, and C) meet the State Water Resources Control Board criteria for sources of drinking water. Therefore, the southern portion of the A, B, and C aquifers at Moffett Field are considered potential drinking water sources. Moffett Field was divided into six operable units (OUs) to expedite the remedial investigation/feasibility study (RI/FS) process: OU-1 Soils at Sites 1 and 2 landfills; OU-2 Soils at Sites 3 through 11, 13, 14, and 16 through 19; OU-3 Soils at Sites 12 and 15; OU-4 Aquifers on the western side of Moffett field; OU-5 Aquifers on the eastern side of Moffett field; and OU-6 Wetland areas. EPA determined that the aquifers in OU-4 were not contaminated by the Moffett Field Site and were subsequently deleted. OU-5 was modified to include all aquifers not part of the regional volatile organic compounds (VOC) plume. OU-2 was separated into OU-2 West (Sites 8, 16, 17, 18 and the western portion of Site 10, which overlie the regional VOC plume) and OU-2 East, the focus of this Record of Decision (ROD) (Sites 3, 4, 6, 7, 11, 13, and the eastern portion of Site 10, which do not overlie the regional VOC plume. Site 3, the Marriage Road Ditch extends for approximately 2,000 feet along the eastern side of Marriage Road and is 5 to 6 feet below mean sea level (msl). The ditch discharges to the Navy Channel. Portions of the ditch are lined with concrete. An estimated 150,000 to 750,000 gallons of mixed wastes containing waste oils, solvents, fuels, detergents, paints, paint strippers, and hydraulic fluids were discharged into the storm drains from the 1940s to the 1970s. Site 4, the Former Wastewater Holding Pond, was removed, closed, and replaced by the existing holding ponds. The former pond was unlined and received approximately 15 million gallons of wastewater from 1968 to 1978. As much as 35,000 gallons of waste materials, including toluene, methyl ethyl ketone (MEK), dry cleaning solvents, paint sludge, paint

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MOFFETT NAVAL AIR STATION (Continued)

1000228683

stripper s, Freon 113, trichloroethene (TCE), trichloroethane (TCA), carbon remover, ethylene glycol, fuel, and oil were discharged to the pond either directly or as components of wastewater. Site 6, the Runaway Apron Disposal Site, consists of a gravel area that was paved in 1979 and is now used mainly for car parking. An estimated 120,000 to 600,000 gallons of wastes from aircraft maintenance, including solvents, oils, fuels, paints, and paint strippers, may have been disposed of in liquid form from the 1940s to 1970s. Site 7 consists of Hangars 2 and 3 and the paved and unpaved areas surrounding the hangars. Unpaved areas at each corner of the hangar were used to dispose of an estimated 120,000 to 600,000 gallons of paint, paint strippers, oils, solvents, fuels, hydraulic fluids, and other wastes. The hangars were constructed in 1942, and until 1978 wastes that accumulated in barrels on the unpaved area surrounding the hangars may have flowed into the Marriage Road Ditch (Site 3)

. The Site 10 runways primary source of potential soil contamination is precipitation runoff that may have carried spilled fuels and lubricants to adjacent drains and ditches. Site 11, the Engine Test Stand Area, was used to test aircraft engines under power. The site is fenced and covered by concrete and asphalt and comprises an approximately 200- by 200-foot square pad. A small drainage depression drains waste oils, hydraulic fluids, and fuels to the southern edge of the pad. A stain south of the pad suggests that fluids may have run onto the adjacent soils. The stained area is approximately 45 by 75 feet. Site 13, the Equipment Parking Area, is a concrete and asphalt vehicle parking lot and covers approximately 7,500 square feet. Industrial wastewater from spills, leaks, and equipment washing were flushed into the surface drainage ditch adjacent to the concrete/asphalt parking area. The ditch flows to the main storm sewer.

CERCLIS Assessment History:

Assessment:	SITE INSPECTION	Completed:	12/01/1984
Assessment:	HRS PACKAGE	Completed:	12/01/1984
Assessment:	DISCOVERY	Completed:	12/01/1984
Assessment:	PRELIMINARY ASSESSMENT	Completed:	12/01/1984
Assessment:	PROPOSAL TO NPL	Completed:	04/10/1985
Assessment:	FINAL LISTING ON NPL	Completed:	07/22/1987
Assessment:	RECORD OF DECISION	Completed:	06/09/1989
Assessment:	FF RI/FS	Completed:	06/09/1989
Assessment:	FEDERAL INTERAGENCY AGREEMENT	Completed:	08/08/1989
Assessment:	IAG NEGOTIATIONS	Completed:	08/08/1989
Assessment:	FF RD	Completed:	06/13/1994
Assessment:	RECORD OF DECISION	Completed:	12/22/1994
Assessment:	FF RI/FS	Completed:	12/22/1994
Assessment:	FF RA	Completed:	10/09/1995
Assessment:	FF RI	Completed:	03/20/1996
Assessment:	RECORD OF DECISION	Completed:	06/28/1996
Assessment:	FF RI/FS	Completed:	06/28/1996
Assessment:	FF RD	Completed:	12/11/1996
Assessment:	FF RD	Completed:	05/22/1997
Assessment:	RECORD OF DECISION	Completed:	08/14/1997
Assessment:	FF RI/FS	Completed:	08/14/1997
Assessment:	FF RD	Completed:	08/19/1997
Assessment:	FF RA	Completed:	11/08/2001
Assessment:	FF RA	Completed:	11/08/2001
Assessment:	RECORD OF DECISION	Completed:	06/25/2002

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MOFFETT NAVAL AIR STATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000228683

Assessment:	FF RI/FS	Completed:	06/25/2002
Assessment:	RECORD OF DECISION	Completed:	08/22/2002
Assessment:	FF RI/FS	Completed:	08/22/2002
Assessment:	FF COMMUNITY INVOLVEMENT	Completed:	09/16/2002
Assessment:	FIVE YEAR REMEDY ASSESSMENT	Completed:	09/30/2002
Assessment:	FF RA	Completed:	09/30/2002

CERCLIS Site Status:
Interim RA Report

CERCLIS Alias Name(s):
NAVAL AIR STATION MOFFETT FIELD
NAS MOFFETT FIELD
MOFFETT NAVAL AIR STATION
MOFFETT NAVAL AIR STATION

NPL:
EPA ID: CA2170090078
Region: 09
Federal: Federal
Final Date: 07/22/1987

NPL Contaminant:
NPL Status: Final
Substance Id: U044
Case Num: 67-66-3
Substance : CHLOROFORM
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release & Toxicity
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U078
Case Num: 75-35-4
Substance : DICHLOROETHENE, 1,1-
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U210
Case Num: 79-34-5
Substance : TETRACHLOROETHENE
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U220
Case Num: 108-88-3

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MOFFETT NAVAL AIR STATION (Continued)

1000228683

Substance : TOLUENE
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U228
Case Num: 79-01-6
Substance : TRICHLOROETHYLENE (TCE), 1,1,2-
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Site:
CERCLIS Id: CA2170090078
Site City: Sunnyvale
Site State: CA
NPL Status: Final
Status Date: 07/22/87
Federal Site: Yes
HRS Score: 29.49
GW Score: 51.02
SW Score: 0.00
Air Score: 0.00
Soil Score: 0.00
DC Score: 0.00
FE Score: 0.00

NPL Char:
NPL Status: Final
Category Description: DEPTH TO AQUIFER
Category Value: 0
NPL Status: Final
Category Description: DISTANCE TO THE NEAREST POPULATION
Category Value: 10
NPL Status: Final
Category Description: OBSERVED RELEASE-Ground Water
Category Value: Not reported
NPL Status: Final
Category Description: OTHER GROUND WATER USE-Industrial Process Cooling
Category Value: Not reported
NPL Status: Final
Category Description: OTHER GROUND WATER USE-Irrigation
Category Value: Not reported
NPL Status: Final
Category Description: PHYSICAL STATE-Liquid
Category Value: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MOFFETT NAVAL AIR STATION (Continued)

1000228683

NPL Status: Final
Category Description: PHYSICAL STATE-Sludge
Category Value: Not reported

NPL Status: Final
Category Description: PHYSICAL STATE-Solid
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Industry Military
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Industry Military Testing & Maint
Category Value: Not reported

NPL Status: Final
Category Description: SURFACE WATER ADJACENT TO SITE-Bay
Category Value: Not reported

NPL Status: Final
Category Description: SURFACE WATER ADJACENT TO SITE-Drain Ditch
Category Value: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

State LUST:

Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 43-0975
Reg Board: 2
Chemical: Diesel
Lead Agency: Regional Board
Local Agency: 43099
Case Type: Other ground water affected
Status: Not reported
County: Santa Clara
Abate Method: No Action Taken - no action has as yet been taken at the site
Review Date: 1/1/65
Workplan: 9/24/90
Pollution Char: Not reported
Remed Action: Not reported
Close Date: Not reported
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: 3/1/88
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: 1/23/90
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Close Tank
Interim: No
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: Not Required to be Tested

Confirm Leak: 1/1/65
Prelim Assess: 9/24/90
Remed Plan: Not reported
Monitoring: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MOFFETT NAVAL AIR STATION (Continued)

1000228683

Priority: Not reported
 Local Case # : Not reported
 Beneficial: Not reported
 Staff : CTH
 GW Qualifier : Not reported
 Max MTBE Soil : Not reported
 Soil Qualifier : Not reported
 Hydr Basin #: Not reported
 Operator : Not reported
 Oversight Prgm: Local Oversight Program UST
 Oversight Prgm : LOP
 Review Date : 5/10/00
 Stop Date : 3/1/88
 Work Suspended :N
 Responsible Party:BLANK RP
 RP Address: Not reported
 Global Id: T0608591728
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 0
 Mtbe Fuel: Not reported
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: Not reported
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported

NPL
Region
SSW
1/2-1
4572 ft.

NATIONAL SEMICONDUCTOR CO
313 FAIRCHILD DR
MOUNTAIN VIEW, CA 94039

CERCLIS 1000260555
RCRIS-SQG CAD095989778
RCRIS-TSD
FINDS
NPL
CORRACTS
ROD

CERCLIS Classification Data:

Site Incident Category: Non-Oil Spill	Federal Facility: Not a Federal Facility
Non NPL Status: Not reported	
Ownership Status: Private	NPL Status: Currently on the Final NPL
Contact: Elizabeth Adams	Contact Tel: (415) 972-3183
Contact Title: Not reported	
Contact: Jere Johnson	Contact Tel: (415) 972-3094
Contact Title: Not reported	
Site Description: FAIRCHILD CAMERA IS A MFG OF SEMI-CONDUCTORS AT A PLANT IN MT VIEW, CA SURROUNDED BY RESIDENTIAL/INDUSTRIAL AREAS. MONITORING WELLS ON-SITE CONTAMINATED WITH SOLVENTS BELIEVED TO HAVE RESULTED FROM LEAKING UNDERGROUND TANKS. 270,000 USE GW.	

CERCLIS Assessment History:

Assessment: DISCOVERY	Completed: 06/01/1981
Assessment: PRELIMINARY ASSESSMENT	Completed: 07/01/1984
Assessment: SITE INSPECTION	Completed: 08/01/1984
Assessment: HRS PACKAGE	Completed: 08/01/1984
Assessment: PROPOSAL TO NPL	Completed: 10/15/1984
Assessment: FORWARD PLANNING	Completed: 07/01/1985
Assessment: RI/FS NEGOTIATIONS	Completed: 08/15/1985
Assessment: NPL RP SEARCH	Completed: 08/15/1985
Assessment: ADMIN ORDER ON CONSENT	Completed: 08/15/1985
Assessment: COMBINED RI/FS	Completed: 08/15/1985

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NATIONAL SEMICONDUCTOR CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000260555

Assessment:	REMOVAL	Completed:	05/05/1989
Assessment:	RECORD OF DECISION	Completed:	06/09/1989
Assessment:	PRP RI/FS	Completed:	06/09/1989
Assessment:	RECORD OF DECISION	Completed:	06/30/1989
Assessment:	PRP RI/FS	Completed:	06/30/1989
Assessment:	REMOVAL ASSESSMENT	Completed:	08/15/1990
Assessment:	ADMINISTRATIVE RECORDS	Completed:	09/30/1990
Assessment:	UNILATERAL ADMIN ORDER	Completed:	11/29/1990
Assessment:	RD/RA NEGOTIATIONS	Completed:	11/29/1990
Assessment:	FINAL LISTING ON NPL	Completed:	02/11/1991
Assessment:	REMOVAL ASSESSMENT	Completed:	11/10/1992
Assessment:	PRP RD	Completed:	04/04/1995
Assessment:	PRP RD	Completed:	12/11/1996
Assessment:	ADMIN ORDER ON CONSENT	Completed:	12/21/1999
Assessment:	ADMIN ORDER ON CONSENT	Completed:	02/29/2000
Assessment:	PRP RA	Completed:	03/16/2000
Assessment:	PRP RA	Completed:	09/28/2001

CERCLIS Site Status:

Interim RA Report

CERCLIS Alias Name(s):

FAIRCHILD HAZ WASTE STORAGE FACIL
FAIRCHILD SEMICONDUCTOR
MIDDLEFIELD-ELLIS-WHISMAN STUDY AREA
FAIRCHILD SEMICONDUCTOR CORP (MT VIEW)
FAIRCHILD SEMICONDUCTOR CORP. (MOUNTAIN VIEW PLANT)

CORRACTS Data:

EPA Id: CAD095989778
Region: 9
State: CA
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 7/1/1984
Corrective Action: CA075HI - CA Prioritization, Facility or areawas assigned a high corrective action priority

EPA Id: CAD095989778
Region: 9
State: CA
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 1/1/1996
Corrective Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority , Corrective Action at the facility or area referred to CERCLA

NPL:

EPA ID: CAD095989778
Region: 09
Federal: General
Final Date: 02/11/1991

NPL Contaminant:

NPL Status: Final
Substance Id: C321
Case Num: Not reported
Substance : TRICHLOROETHANE, NOS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NATIONAL SEMICONDUCTOR CO (Continued)

1000260555

Pathway : The Ground water migration route , or pathway.
 GW Scoring : Observed Release
 SW Scoring : Not reported
 Air Scoring: Not reported
 Soil Scoring: Not reported
 DC Scoring: Not reported
 FE Scoring: Not reported

NPL Status: Final
 Substance Id: U078
 Case Num: 75-35-4
 Substance : DICHLOROETHENE, 1,1-
 Pathway : The Ground water migration route , or pathway.
 GW Scoring : Observed Release & Toxicity
 SW Scoring : Not reported
 Air Scoring: Not reported
 Soil Scoring: Not reported
 DC Scoring: Not reported
 FE Scoring: Not reported

NPL Status: Final
 Substance Id: U079
 Case Num: 156-60-5
 Substance : TRANS-DICHLOROETHYLENE, 1,2-
 Pathway : The Ground water migration route , or pathway.
 GW Scoring : Observed Release
 SW Scoring : Not reported
 Air Scoring: Not reported
 Soil Scoring: Not reported
 DC Scoring: Not reported
 FE Scoring: Not reported

NPL Status: Final
 Substance Id: U228
 Case Num: 79-01-6
 Substance : TRICHLOROETHYLENE (TCE), 1,1,2-
 Pathway : The Ground water migration route , or pathway.
 GW Scoring : Observed Release
 SW Scoring : Not reported
 Air Scoring: Not reported
 Soil Scoring: Not reported
 DC Scoring: Not reported
 FE Scoring: Not reported

NPL Site:
 CERCLIS Id: CAD095989778
 Site City: Mountain View
 Site State: CA
 NPL Status: Final
 Status Date: 02/11/91
 Federal Site: Not reported
 HRS Score: 31.94
 GW Score: 51.49
 SW Score: 0.00
 Air Score: 0.00
 Soil Score: 0.00
 DC Score: 0.00
 FE Score: 0.00

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NATIONAL SEMICONDUCTOR CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000260555

NPL Char:

NPL Status: Final
Category Description: DEPTH TO AQUIFER
Category Value: 260

NPL Status: Final
Category Description: DISTANCE TO THE NEAREST POPULATION
Category Value: 10

NPL Status: Final
Category Description: OBSERVED RELEASE-Ground Water
Category Value: Not reported

NPL Status: Final
Category Description: OTHER GROUND WATER USE-Irrigation
Category Value: Not reported

NPL Status: Final
Category Description: PERMIT-RCRA Interim Status
Category Value: Not reported

NPL Status: Final
Category Description: PHYSICAL STATE-Liquid
Category Value: Not reported

NPL Status: Final
Category Description: PHYSICAL STATE-Solid
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Manufacturing
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Manufacturing Electronic/Electric
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Manufacturing Other/Industrial
Category Value: Not reported

NPL Status: Final
Category Description: SURFACE WATER ADJACENT TO SITE-Stream
Category Value: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

RCRIS Corrective Action Summary:

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 01/01/1996

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 07/01/1984

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

NATIONAL SEMICONDUCTOR CO (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000260555

RCRIS:

Owner: FAIRCHILD SEMICONDUCTOR CORP
 (650) 960-1640
 EPA ID: CAD095989778
 Contact: ALAN LUI
 (650) 960-1640

Rank Status: 1
 Rank Date: 08/27/1992
 Classification: TSDf
 Used Oil Recyc: No
 TSDf Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D004	1250.00	D007	1250.00
D011	1250.00	D022	24750.00
D029	24750.00	D039	24750.00
D040	24750.00	D043	24750.00

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	09/15/1988
Actual Date Achieved Compliance:	11/30/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/29/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	09/15/1988
Actual Date Achieved Compliance:	11/30/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/29/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	09/15/1988
Actual Date Achieved Compliance:	11/30/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/29/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	09/15/1988
Actual Date Achieved Compliance:	11/30/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/29/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	09/07/1988

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NATIONAL SEMICONDUCTOR CO (Continued)

1000260555

Actual Date Achieved Compliance: 11/08/1988
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 10/17/1988
 Penalty Type: Not reported

There are 5 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Other Evaluation	TSD-LAND BAN REQUIREMENTS	19881130
	GENERATOR-LAND BAN REQUIREMENTS	19881130
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19881130
	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19881130
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19881108

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)
 Toxic Chemical Release Inventory System (TRIS)

**NPL
 Region
 SSW
 1/2-1
 5110 ft.**

**RAYTHEON COMPANY
 350 ELLIS ST REMEDIATION ACTIV
 MOUNTAIN VIEW, CA 94043**

**CERCLIS 1000407768
 RCRIS-SQG CAD009205097
 FINDS
 NPL
 ROD
 CA SLIC**

CERCLIS Classification Data:

Site Incident Category: Non-Oil Spill	Federal Facility: Not a Federal Facility
Non NPL Status: Not reported	
Ownership Status: Private	NPL Status: Currently on the Final NPL
Contact: Elizabeth Adams	Contact Tel: (415) 972-3183
Contact Title: Not reported	
Contact: Jere Johnson	Contact Tel: (415) 972-3094
Contact Title: Not reported	
Site Description: RAYTHEON CORP MFG'S SEMICONDUCTOR PRODS AT A PLT IN MT VIEW.FACIL OCCUPIES 30 ACRES SURROUNDED BY INDUS/RESID/BUSINESS AREAS.SOIL & GRD WTR BENEATH SITE CONTAMINATED WITH SOLVENTSFR UNDGRD TANKS &/OR ACID NEUTRALIZATION SUMPS.	

CERCLIS Assessment History:

Assessment: DISCOVERY	Completed: 08/01/1980
Assessment: PRELIMINARY ASSESSMENT	Completed: 07/01/1984
Assessment: SITE INSPECTION	Completed: 08/01/1984
Assessment: HRS PACKAGE	Completed: 08/01/1984
Assessment: PROPOSAL TO NPL	Completed: 10/15/1984
Assessment: FORWARD PLANNING	Completed: 07/01/1985
Assessment: RI/FS NEGOTIATIONS	Completed: 08/15/1985
Assessment: NPL RP SEARCH	Completed: 08/15/1985
Assessment: ADMIN ORDER ON CONSENT	Completed: 08/15/1985
Assessment: COMBINED RI/FS	Completed: 08/15/1985
Assessment: FINAL LISTING ON NPL	Completed: 06/10/1986
Assessment: RECORD OF DECISION	Completed: 06/09/1989
Assessment: PRP RI/FS	Completed: 06/09/1989
Assessment: REMOVAL ASSESSMENT	Completed: 08/15/1990
Assessment: RD/RA NEGOTIATIONS	Completed: 09/27/1990
Assessment: REMOVAL ASSESSMENT	Completed: 12/11/1991
Assessment: CONSENT DECREE	Completed: 04/10/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RAYTHEON COMPANY (Continued)

EDR ID Number
EPA ID Number

1000407768

Assessment:	PRP RD	Completed:	02/28/1995
Assessment:	PRP RD	Completed:	12/11/1996
Assessment:	ADMIN ORDER ON CONSENT	Completed:	02/19/1997
Assessment:	PRP RA	Completed:	03/16/2000
Assessment:	PRP RA	Completed:	09/28/2001

CERCLIS Site Status:
Interim RA Report

CERCLIS Alias Name(s):
RAYTHEON SEMI CONDUCTOR DIVISION
RATHEON (MEW)
RAYTHEON CORP
RAYTHEON CORP.

NPL:
EPA ID: CAD009205097
Region: 09
Federal: General
Final Date: 06/10/1986

NPL Contaminant:
NPL Status: Final
Substance Id: U078
Case Num: 75-35-4
Substance : DICHLOROETHENE, 1,1-
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release & Toxicity
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U079
Case Num: 156-60-5
Substance : TRANS-DICHLOROETHYLENE, 1,2-
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U226
Case Num: 71-55-6
Substance : TRICHLOROETHANE, 1,1,1-
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U228
Case Num: 79-01-6
Substance : TRICHLOROETHYLENE (TCE), 1,1,2-

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

RAYTHEON COMPANY (Continued)

1000407768

Pathway : The Ground water migration route , or pathway.
 GW Scoring : Observed Release
 SW Scoring : Not reported
 Air Scoring: Not reported
 Soil Scoring: Not reported
 DC Scoring: Not reported
 FE Scoring: Not reported

NPL Site:

CERCLIS Id: CAD009205097
 Site City: Mountain View
 Site State: CA
 NPL Status: Final
 Status Date: 06/10/86
 Federal Site: Not reported
 HRS Score: 29.76
 GW Score: 51.49
 SW Score: 0.00
 Air Score: 0.00
 Soil Score: 0.00
 DC Score: 0.00
 FE Score: 0.00

NPL Char:

NPL Status: Final
 Category Description: DEPTH TO AQUIFER
 Category Value: 260

NPL Status: Final
 Category Description: DISTANCE TO THE NEAREST POPULATION
 Category Value: 10

NPL Status: Final
 Category Description: OBSERVED RELEASE-Ground Water
 Category Value: Not reported

NPL Status: Final
 Category Description: OTHER GROUND WATER USE-Irrigation
 Category Value: Not reported

NPL Status: Final
 Category Description: PERMIT-RCRA
 Category Value: Not reported

NPL Status: Final
 Category Description: PHYSICAL STATE-Liquid
 Category Value: Not reported

NPL Status: Final
 Category Description: PHYSICAL STATE-Solid
 Category Value: Not reported

NPL Status: Final
 Category Description: SITE ACTIVITY WASTE SOURCE-Manufacturing
 Category Value: Not reported

NPL Status: Final
 Category Description: SITE ACTIVITY WASTE SOURCE-Manufacturing Electronic/Electric
 Category Value: Not reported

NPL Status: Final
 Category Description: SITE ACTIVITY WASTE SOURCE-Manufacturing Other/Industrial
 Category Value: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

RAYTHEON COMPANY (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000407768

NPL Status: Final
 Category Description: SURFACE WATER ADJACENT TO SITE-Stream
 Category Value: Not reported

ROD:
 Full-text of USEPA Record of Decision(s) is available from EDR.

RCRIS:
 Owner: RAYTHEON COMPANY
 (781) 860-2687
 EPA ID: CAD009205097
 Contact: INGRID CHEN
 (650) 428-0550

Classification: Small Quantity Generator
 Used Oil Recyc: No
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	01/19/1995
Actual Date Achieved Compliance:	02/10/1995
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	12/13/1985
Actual Date Achieved Compliance:	03/06/1986
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/13/1985
Penalty Type:	Not reported

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

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19950210
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19860306

NY MANIFEST
 Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
 Facility Registry System (FRS)
 National Emissions Trends (NET)
 National Toxics Inventory (NTI)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

SLIC Region 2:
 Facility ID: 43S0102
 Region: 2
 Facility Status: Referred to another RWQCB division or agency Not reported
 Staff: Not reported Not reported
 Last Site Update: 01/14/1993
 NPL Status: Current NPL site Discovery Date: 11/30/1982
 Case List: SLIC Imaged: No
 Date Closed: Not reported
 Abate Method: Not reported Substance: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

RAYTHEON COMPANY (Continued)

1000407768

Case Type: TK Sample Date: Not reported
 Contamination: LEAKING UNDERGROUND TANK/ SUMPS AND ASSOC. PIPING
 Lead: 2189.8107 EPA
 Contamination Level: NONE DETECTED
 Number of Municipal Wells Contaminated by Site: 0
 Number of Private Wells Contaminated by Site: 3
 Soil Removal or Contaminant Action Started:
 Soil Removal or Contaminant Action Completed:
 On-Site Groundwater Extraction or Containment is Needed: Yes
 On-Site Groundwater Extraction or Containment Started: 07/15/1985
 Off-Site Groundwater Extraction or Containment is Needed: Yes
 Off-Site Groundwater Extraction or Containment Started:
 Length of Contamination Plume (Feet): 9000
 Depth of Contamination Plume (Feet): 505
 Wells Closed Due To Contamination of Site:
 Date of Wells Closure:
 Nearest Public or Private Drinking Water Well (Feet): 3600
 Under Jurisdiction of Lead Agency Date: 7/2/82
 Latitude/Longitude: 37 / -122
 Flow Rate: 17
 Flow Date: 06/01/1992
 Percent of Contaminants Contained: 1
 Contaminant Type:
 EPA ID: T
 Stages of Site Investigation Process Initiated:
 Begun Characterization : Yes
 Completed Characterization : Yes
 Begun Remediation: Yes
 Completed Remediation: Yes
 Submitted Remediation Plan: Yes
 Approved Remediation Plan: Yes
 Begun Final Remedial Action: No
 Completed Final Remedial Action: No
 Facility Desc: SEMICONDUCTOR MANUFACTURING PLANT
 Comment: PART OF MEW SITE

**B6
 NW
 1/4-1/2
 2145 ft.
 Lower**

**MOFFETT NAVAL AIR STATION
 SUNNYVALE, CA 94089
 Site 1 of 5 in cluster B**

**CA BOND EXP. PLAN S100833469
 N/A**

**B7
 NW
 1/4-1/2
 2145 ft.
 Lower**

**NASA-AMES AOI 10
 MOFFETT FIELD
 MOUNTAIN VIEW, CA 94035
 Site 2 of 5 in cluster B**

**VCP S100186296
 Cal-Sites N/A**

VCP:
 Facility ID 43370011
 Facility Status Voluntary Cleanup Program
 Facility ID 43370012
 Facility Status Voluntary Cleanup Program
 Facility ID 43370008
 Facility Status Voluntary Cleanup Program

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NASA-AMES AOI 10 (Continued)

S100186296

Facility ID 43370009
 Facility Status Voluntary Cleanup Program

Facility ID 43370010
 Facility Status Voluntary Cleanup Program

CAL-SITES:

Facility ID 43370008
 Status: VCP - VOLUNTARY CLEANUP PROGRAM (VCP)
 Status Date: 03/15/1995
 Lead: DTSC
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: VOLUNTARY CLEANUP PROGRAM
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
 NPL: Not Listed
 SIC: 37 MANU - TRANSPORTATION EQUIPMENT
 Facility Type: VCP
 Type Name: VOLUNTARY CLEANUP PROGRAM
 Staff Member Responsible for Site: XBRYANT
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Controlled
 Cortese: C
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

Facility ID 43370009
 Status: VCP - VOLUNTARY CLEANUP PROGRAM (VCP)
 Status Date: 03/15/1995
 Lead: DTSC
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: VOLUNTARY CLEANUP PROGRAM
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
 NPL: Not Listed
 SIC: 37 MANU - TRANSPORTATION EQUIPMENT
 Facility Type: VCP
 Type Name: VOLUNTARY CLEANUP PROGRAM
 Staff Member Responsible for Site: XBRYANT
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Controlled
 Cortese: C
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NASA-AMES AOI 10 (Continued)

S100186296

No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

Facility ID: 43370010
 Status: VCP - VOLUNTARY CLEANUP PROGRAM (VCP)
 Status Date: 03/15/1995
 Lead: DTSC
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: VOLUNTARY CLEANUP PROGRAM
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
 NPL: Not Listed
 SIC: 37 MANU - TRANSPORTATION EQUIPMENT
 Facility Type: VCP
 Type Name: VOLUNTARY CLEANUP PROGRAM
 Staff Member Responsible for Site: XBRYANT
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Controlled
 Cortese: C
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

Facility ID: 43370011
 Status: VCP - VOLUNTARY CLEANUP PROGRAM (VCP)
 Status Date: 03/15/1995
 Lead: DTSC
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: VOLUNTARY CLEANUP PROGRAM
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
 NPL: Not Listed
 SIC: 37 MANU - TRANSPORTATION EQUIPMENT
 Facility Type: VCP
 Type Name: VOLUNTARY CLEANUP PROGRAM
 Staff Member Responsible for Site: XBRYANT
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Controlled
 Cortese: C
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NASA-AMES AOI 10 (Continued)

S100186296

Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

Facility ID: 43370012
 Status: VCP - VOLUNTARY CLEANUP PROGRAM (VCP)
 Status Date: 03/15/1995
 Lead: DTSC
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: VOLUNTARY CLEANUP PROGRAM
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
 NPL: Not Listed
 SIC: 37 MANU - TRANSPORTATION EQUIPMENT
 Facility Type: VCP
 Type Name: VOLUNTARY CLEANUP PROGRAM
 Staff Member Responsible for Site: XBRYANT
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Controlled
 Cortese: C
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

**B8
 NW
 1/4-1/2
 2186 ft.
 Lower**

**MOFFETT FEDERAL AIRFIELD,
 2 200 ACRES 35MI OF SAN FRA
 MOUNTAIN VIEW, CA 94035**

**Cortese S101272886
 Cal-Sites N/A**

Site 3 of 5 in cluster B

CAL-SITES:
 Facility ID: 43450001
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
 Status Date: 05/01/1986
 Lead: DTSC
 Region: 2 - BERKELEY
 Branch: NO - OMF-NORTHERN CALIF
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO RWQCB
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
 NPL: Not Listed
 SIC: 45 TRANSPORTATION BY AIR
 Facility Type: CLOSE

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MOFFETT FEDERAL AIRFIELD, (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S101272886

Type Name: CLOSED MILITARY BASE
 Staff Member Responsible for Site: DMURPHY1
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 No. of Contamination Sources: 10.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

Facility ID: 43450007
 Status: REFOA - DOES NOT REQUIRE DTSC ACTION OR OVERSITE ACTIVITY. REFERED TO OTHER AGENCY LEAD
 Status Date: 07/06/1994
 Lead: EPA
 Region: 2 - BERKELEY
 Branch: NO - OMF-NORTHERN CALIF
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
 Lead Agency: ENVIRONMENTAL PROTECTION AGENCY Not reported
 NPL: Not Listed
 SIC: 45 TRANSPORTATION BY AIR

Facility Type: CLOSE
 Type Name: CLOSED MILITARY BASE
 Staff Member Responsible for Site: JCHOU
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

CORTESE:

Reg Id: 43450001
 Region: CORTESE
 Reg By: CALSI

Reg Id: 43450003
 Region: CORTESE
 Reg By: CALSI

Reg Id: 43450004

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MOFFETT FEDERAL AIRFIELD, (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S101272886

Region: CORTESE
 Reg By: CALSI

Reg Id: 43450005
 Region: CORTESE
 Reg By: CALSI

Reg Id: 43450006
 Region: CORTESE
 Reg By: CALSI

Reg Id: 43450007
 Region: CORTESE
 Reg By: CALSI

**B9
 NW
 1/4-1/2
 2186 ft.
 Lower**

**MOFFETT FEDERAL AIRFIELD, OU-2
 2,200 ACRES; 35MI S OF SAN FRANCISCO, CA
 MOUNTAIN VIEW, CA 94089**

**Cal-Sites S101272887
 N/A**

Site 4 of 5 in cluster B

CAL-SITES:

Facility ID: 43450003
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
 Status Date: 05/24/1994
 Lead: DTSC
 Region: 2 - BERKELEY
 Branch: NO - OMF-NORTHERN CALIF
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO RWQCB
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
 NPL: Not Listed
 SIC: 45 TRANSPORTATION BY AIR
 Facility Type: CLOSE
 Type Name: CLOSED MILITARY BASE
 Staff Member Responsible for Site: JCHOU
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

**B10
 NW
 1/4-1/2
 2186 ft.
 Lower**

**MOFFETT FEDERAL AIRFIELD, STATIONWIDE
 2,200 ACRES; 35MI S OF SAN FRANCISCO, CA
 MOUNTAIN VIEW, CA 94089**

**Cal-Sites S102418374
 N/A**

Site 5 of 5 in cluster B

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MOFFETT FEDERAL AIRFIELD, STATIONWIDE (Continued)

S102418374

CAL-SITES:

Facility ID 43450006
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
 Status Date: 05/25/1994
 Lead: RWQCB
 Region: 2 - BERKELEY
 Branch: NO - OMF-NORTHERN CALIF
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO RWQCB
 Lead Agency: REGIONAL WATER QUALITY CONTROL BOARD Not reported
 NPL: Listed
 SIC: 45 TRANSPORTATION BY AIR
 Facility Type: CLOSE
 Type Name: CLOSED MILITARY BASE
 Staff Member Responsible for Site: DMURPHY1
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

**11
 SE
 1/4-1/2
 2435 ft.
 Higher**

**MOFFETT FEDERAL AIRFIELD, OU-3
 2,200 ACRES; 35MI S OF SAN FRANCISCO, CA
 MOUNTAIN VIEW, CA 94089**

**Cal-Sites S101482384
 N/A**

CAL-SITES:

Facility ID 43450004
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
 Status Date: 07/06/1994
 Lead: RWQCB
 Region: 2 - BERKELEY
 Branch: NO - OMF-NORTHERN CALIF
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO RWQCB
 Lead Agency: REGIONAL WATER QUALITY CONTROL BOARD Not reported
 NPL: Not Listed
 SIC: 45 TRANSPORTATION BY AIR
 Facility Type: CLOSE
 Type Name: CLOSED MILITARY BASE
 Staff Member Responsible for Site: JCHOU
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Not reported
 Cortese: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MOFFETT FEDERAL AIRFIELD, OU-3 (Continued)

S101482384

Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: Not reported
 State Senate District: Not reported

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

**12
 ESE
 1/4-1/2
 2546 ft.
 Higher**

**N/B HWY 101 1/2MI NORTH OF HWY 237
 SUNNYVALE, CA 94089**

**CHMIRS S100276072
 N/A**

CHMIRS:

OES Control Number: 9013271 DOT ID: 1789
 DOT Hazard Class: Corrosives
 Chemical Name: ACID, MURIATIC
 Extent of Release: Not reported
 CAS Number: 7647010 Quantity Released: 0
 Environmental Contamination: None Reported Property Use: Freeway
 Incident Date: 02-OCT-90 Date Completed: 02-OCT-90
 Time Completed : 1145
 Physical State Stored : Liquid
 Physical State Released : Not reported
 Release Unit : Not reported
 Container Description : 2
 Container Type : 04
 Container Material : Plastic Fiberglass , Rigid
 Level Of Container : Ground Level
 Container Capacity : 1
 Container Capacity Units (code) : 2
 Extent Of Release (code) : 8
 Agency Id Number : 43105
 Agency Incident Number : 90-47079
 OES Incident Number : 9013271
 Time Notified : 939
 Surrounding Area : 099
 Estimated Temperature : 70
 Property Management : S
 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 : 0
 Responding Agency Personel # Of Fatalities : 0
 Resp Agncy Personel # Of Decontaminated : 0
 Others Number Of Decontaminated : 0
 Others Number Of Injuries : 0
 Others Number Of Fatalities : 0
 Vehicle Make/year : Not reported
 Vehicle License Number : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

(Continued)

S100276072

Vehicle State :		Not reported
Vehicle Id Number :		Not reported
CA/DOT/PUC/ICC Number :		Not reported
Company Name :		Not reported
Reporting Officer Name/ID :		W. LUM 59570
Report Date :		02-OCT-90
Comments :		Yes
Facility Telephone Number :		408 730-7100
Waterway Involved :		Not reported
Waterway :	Not reported	
Spill Site :		Not reported
Cleanup By :	Not reported	
Containment :		Not reported
What Happened :	Not reported	
Date/Time :		Not reported
Evacuations :		Not reported
Type :	Not reported	
Other :	Not reported	
Chemical 1 :		Not Reported
Chemical 2 :		Not Reported
Chemical 3 :		Not Reported

13
 North
 1/4-1/2
 2617 ft.
 Lower

**NASA MOFFETT FIELD CLOSED LANDFILLS
 NORTHERN AREA OF FIELD; ADJACENT TO BAY
 MOUNTAIN VIEW, CA**

SWF/LF S102362517
 N/A

LF:

Facility ID:	43-AA-0005
Operator:	Not reported
Operator Phone:	Not reported
Operator Addr:	
Owner:	US Dept Of Navy-Moffett Field Nas
Owner Address:	Not reported
	Building 566
	Mountain View, CA 94035
Owner Telephone:	(415) 404-6540
Activity:	Solid Waste Disposal Site
Operator's Status:	Closing
Regulation Status:	Permitted
Region:	STATE
Lat/Long:	37.43 / -122.05
Permit Date:	Not reported
Accepted Waste:	
Restrictions:	
Status :	Not reported
Swisnumber :	Not reported
Site Type :	Not reported
Aka :	Not reported
Type Of Waste :	Not reported
Disposal Area :	Not reported
SWFP Date :	Not reported
WDR Number :	Not reported
Dates Of Operation :	Not reported
Closure Approved :	Not reported
Date Of Field Units :	Not reported
Surface Condition :	Not reported
Landfill Gas :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NASA MOFFETT FIELD CLOSED LANDFILLS (Continued)

S102362517

Leachate : Not reported
 Emergency Response : Not reported
 Other Recommendation : Not reported
 Reassess Site : Not reported
 Priority For Site Assessment : Not reported
 Lea Date : Not reported
 Explanation: Not Reported
 No Further Action: Not Reported
 Permitted Throughput with Units: 0
 Permitted Throughput with Units: 0
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported
 Actual Capacity with Units: 0
 Permitted Capacity with Units: 0
 Remaining Capacity with Units: Not reported
 Permitted Total Acreage: 0
 Inspection Frequency: Quarterly
 Landuse Name: Not reported
 GIS Source: Map
 Permit Status: Not reported
 Category: Disposal
 Unit Number: 01
 Last Waste Tire Inspection Count : 0
 Last Waste Tire Inspection Date: 0
 Original Waste Tire Count: Not reported
 Original Waste Tire Count Date: Not reported
 Closure Date: / /
 Closure Type: Not reported
 Disposal Acreage: 0
 Remaining Capacity: 0

14
 SSW
 1/2-1
 3240 ft.
 Higher

**RMC LONESTAR
 605 FAIRCHILD DR
 MOUNTAIN VIEW, CA 94043**

**Cortese S103880874
 LUST N/A**

State LUST:

Cross Street: Not reported
 Qty Leaked: Not reported
 Case Number 43-0827
 Reg Board: 2
 Chemical: Gasoline
 Lead Agency: Local Agency
 Local Agency : 43099
 Case Type: Other ground water affected
 Status: Not reported
 County: Santa Clara
 Abate Method: No Action Taken - no action has as yet been taken at the site
 Review Date: Not reported
 Workplan: 4/30/87
 Pollution Char: Not reported
 Remed Action: Not reported
 Close Date: 6/3/96
 Release Date: Not reported
 Cleanup Fund Id : Not reported
 Discover Date : 8/22/86
 Enforcement Dt : Not reported
 Enf Type: Not reported

Confirm Leak: Not reported
 Prelim Assess: 4/30/87
 Remed Plan: Not reported
 Monitoring: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

RMC LONESTAR (Continued)

S103880874

Enter Date : 2/26/86
 Funding: Federal Funds
 Staff Initials: UNK
 How Discovered: Tank Closure
 How Stopped: Close Tank
 Interim : No
 Leak Cause: Structure Failure
 Leak Source: Tank
 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 # : Not reported
 Beneficial: Not reported
 Staff : CTH
 GW Qualifier : Not reported
 Max MTBE Soil : Not reported
 Soil Qualifier : Not reported
 Hydr Basin #: Not reported
 Operator : Not reported
 Oversight Prgm: Local Oversight Program UST
 Oversight Prgm : LOP
 Review Date : 6/7/96
 Stop Date : 8/22/86
 Work Suspended :N
 Responsible Party:BLANK RP
 RP Address: Not reported
 Global Id: T0608500841
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 0
 Mtb Fuel: Not reported
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 4229.432221
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported

LUST Region SC:

Region: Santa Clara
 Closed Date: 6/3/96
 Region Code: 2
 Date Listed: 1/1/87
 SCVWD Id: 06S2W23B01
 Oversight Agency: SCVWD

CORTESE:

Reg Id: 43-0827
 Region: CORTESE
 Reg By: Leaking Underground Storage Tanks

**C15
 SSW
 1/2-1
 3388 ft.
 Higher**

**CHEVRON
 645 ELLIS ST
 MOUNTAIN VIEW, CA 94583**

**Cortese S105030585
 LUST N/A**

Site 1 of 2 in cluster C

State LUST:

Cross Street: Not reported
 Qty Leaked: Not reported
 Case Number 43-0272
 Reg Board: 2

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON (Continued)

S105030585

Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 43099
Case Type: Other ground water affected
Status: Not reported
County: Santa Clara
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: Not reported
Workplan: 3/20/89
Pollution Char: Not reported
Remed Action: Not reported
Close Date: 12/15/98
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : 9/28/87
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 9/28/87
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Yes
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Date : 1/2/65
Max MTBE GW : 2 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : CTH
GW Qualifier : <
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: Local Oversight Program UST
Oversight Prgm : LOP
Review Date : 1/7/99
Stop Date : 9/28/87
Work Suspended :N
Responsible Party:BLANK RP
RP Address: Not reported
Global Id: T0608500329
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 3942.363261
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

CORTESE:

Reg Id: 43-0272

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CHEVRON (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Region: CORTESE
 Reg By: Leaking Underground Storage Tanks

S105030585

C16 **YEE PROPERTY**
SSW **636 ELLIS ST**
1/2-1 **MOUNTAIN VIEW, CA 94043**
3428 ft.
Higher

Cortese **S102859857**
LUST **N/A**

Site 2 of 2 in cluster C

State LUST:

Cross Street:	Not reported	Confirm Leak:	12/5/97
Qty Leaked:	Not reported	Prelim Assess:	Not reported
Case Number	43-2202	Remed Plan:	Not reported
Reg Board:	2	Monitoring:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	43099		
Case Type:	Other ground water affected		
Status:	Not reported		
County:	Santa Clara		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	12/5/97		
Workplan:	Not reported		
Pollution Char:	Not reported		
Remed Action:	Not reported		
Close Date:	10/10/98		
Release Date:	Not reported		
Cleanup Fund Id :	Not reported		
Discover Date :	12/23/96		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	12/23/96		
Funding:	Federal Funds		
Staff Initials:	UNK		
How Discovered:	Tank Closure		
How Stopped:	Close Tank		
Interim :	Yes		
Leak Cause:	Unknown		
Leak Source:	Unknown		
MTBE Date :	1/2/65		
Max MTBE GW :	190 Parts per Billion		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	CTH		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	Local Oversight Program UST		
Oversight Prgm :	LOP		
Review Date :	10/1/98		
Stop Date :	12/23/96		
Work Suspended :	N		
Responsible Party:	BLANK RP		
RP Address:	Not reported		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

YEE PROPERTY (Continued)

S102859857

Global Id: T0608502022
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 1
 Mtbe Fuel: Not reported
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 3797.198325
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2
 Facility Id: 43-2202
 Entered Date: / /
 Facility Status: Case Closed
 Maximum Soil Concentration: 0
 Maximum Groundwater Impact: 1
 County : Santa Clara
 Current Benzene: 0
 MTBE Detected in GW: Yes
 MTBE Detected in Soil: Not reported
 MTBE: 1
 MTBE Qualify: <

LUST Region SC:

Region: Santa Clara
 Closed Date: 10/1/98
 Region Code: 2
 Date Listed: 12/23/96
 SCVWD Id: 06S2W23C01
 Oversight Agency: SCVWD

CORTESE:

Reg Id: 43-2202
 Region: CORTESE
 Reg By: Leaking Underground Storage Tanks

17
 SW
 1/2-1
 3698 ft.
 Higher

**670 NATIONAL STREET
 MOUNTAIN VIEW, CA 0**

**CHMIRS S105648844
 N/A**

CHMIRS:

OES Control Number: 97-4157 DOT ID: Not reported
 DOT Hazard Class: Not Reported
 Chemical Name: Mineral Oil
 Extent of Release: Not reported
 CAS Number: Not reported Quantity Released: 4
 Environmental Contamination: None Reported Property Use: Not reported
 Incident Date: Not reported Date Completed: 9/4/97
 Time Completed : Not reported
 Physical State Stored : Not reported
 Physical State Released : Not reported
 Release Unit : Not reported
 Container Description : Not reported
 Container Type : Not reported
 Container Material : Not reported
 Level Of Container : Not reported
 Container Capacity : Not reported
 Container Capacity Units (code) : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

(Continued)

S105648844

Extent Of Release (code) :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	97-4157
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 :	0
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 :	No
Waterway :	Not reported
Spill Site :	Industrial Plant
Cleanup By :	Reporting Party
Containment :	Yes
What Happened :	Transformer failed and caused release of oil. Oil was spilled onto asphalt.
Date/Time :	9/4/97 1745
Evacuations :	0
Type :	PETROLEUM
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported

18
 SW
 1/2-1
 4054 ft.
 Higher

A-1 RENTS(NEW CASE)
630 NATIONAL
MOUNTAIN VIEW, CA 94043

Cortese S105025096
N/A

CORTESE:
 Reg Id: 2448
 Region: CORTESE
 Reg By: Leaking Underground Storage Tanks

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

19
SSW
1/2-1
4236 ft.
Higher

NEC ELECTRONICS INCORPORATED
501 ELLIS STREET
MOUNTAIN VIEW, CA 94043

Cal-Sites S101482318
N/A

CAL-SITES:

Facility ID: 43330029
 Status: PEAR - PRELIMINARY ENDANGERMENT ASSESSMENT (PEA) REQUIRED
 Status Date: 03/14/1996
 Lead: Not reported
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED
 Lead Agency: N/A Not reported
 NPL: Not reported
 SIC: 33 MANU - PRIMARY METAL INDUSTRIES
 Facility Type: Not reported
 Type Name: N/A
 Staff Member Responsible for Site: Not reported
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: Not reported
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: Not reported
 State Senate District: Not reported

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

20
SW
1/2-1
4339 ft.
Higher

SILTEC CORPORATION
405 NATIONAL AVENUE
MOUNTAIN VIEW, CA 94040

Cal-Sites S100269819
N/A

CAL-SITES:

Facility ID: 43360101
 Status: PEAR - PRELIMINARY ENDANGERMENT ASSESSMENT (PEA) REQUIRED
 Status Date: 03/14/1996
 Lead: Not reported
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED
 Lead Agency: N/A Not reported
 NPL: Not reported
 SIC: 36 MANU - ELECTRONIC & OTHER ELECTRIC EQUIP
 Facility Type: Not reported
 Type Name: N/A
 Staff Member Responsible for Site: Not reported
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SILTEC CORPORATION (Continued)

S100269819

Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: Not reported
 State Senate District: Not reported

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

**D21
 SSE
 1/2-1
 4429 ft.
 Higher**

**OPEN FIELD / SUNNYVALE LANDFILL
 BETWEEN HIGHWAY 237 / HIGHWAY 101
 SUNNYVALE, CA 94086**

**Cal-Sites S100186306
 N/A**

Site 1 of 2 in cluster D

CAL-SITES:

Facility ID: 43490058
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
 Status Date: 08/21/1989
 Lead: Not reported
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO RWQCB
 Lead Agency: N/A Not reported
 NPL: Not reported
 SIC: 49 ELECTRIC, GAS & SANITARY SERVICES
 Facility Type: Not reported
 Type Name: N/A
 Staff Member Responsible for Site: Not reported
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Uncontrolled
 Cortese: U
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: Not reported
 State Senate District: Not reported

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

**E22
 SSW
 1/2-1
 4438 ft.
 Higher**

**FAIRCHILD SEMICONDUCTOR
 464 ELLIS STREET
 MOUNTAIN VIEW, CA 94042**

**CA BOND EXP. PLAN S100833407
 N/A**

Site 1 of 2 in cluster E

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

E23
SSW
1/2-1
4438 ft.
Higher

FAIRCHILD SEMICONDUCTOR/MT. VIEW
464 ELLIS ST
MOUNTAIN VIEW, CA 94043

Cal-Sites **S100213325**
N/A

Site 2 of 2 in cluster E

CAL-SITES:

Facility ID: 43380013
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
 Status Date: 05/12/1992
 Lead: EPA
 Region: 2 - BERKELEY
 Branch: NC - NORTH COAST
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO RWQCB
 Lead Agency: ENVIRONMENTAL PROTECTION AGENCY Not reported
 NPL: Listed
 SIC: 38 MANU - INSTRUMENTS & RELATED PRODUCTS
 Facility Type: NPRP
 Type Name: NPL SITE, RP-FUNDED
 Staff Member Responsible for Site: Not reported
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: Not reported
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 No. of Contamination Sources: 1.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: Not reported
 State Senate District: Not reported

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

D24
SSE
1/2-1
4448 ft.
Higher

US 101 S/O SR 237
MOUNTAIN VIEW, CA

CHMIRS **S100280580**
N/A

Site 2 of 2 in cluster D

CHMIRS:

OES Control Number: 9990220 DOT ID: 1760
 DOT Hazard Class: Corrosives
 Chemical Name: CORROSIVE LIQUID
 Extent of Release: Not reported
 CAS Number: Not reported Quantity Released: 1
 Environmental Contamination: Air Property Use: Freeway
 Incident Date: 27-OCT-88 Date Completed: 27-OCT-88
 Time Completed : 1555
 Physical State Stored : Liquid
 Physical State Released : Liquid
 Release Unit : Gallons
 Container Description : 2
 Container Type : 04
 Container Material : Plastic , Flexible
 Level Of Container : Ground Level
 Container Capacity : 1

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

(Continued)

S100280580

Container Capacity Units (code) : 2
 Extent Of Release (code) : 7
 Agency Id Number : 66340
 Agency Incident Number : 88-252
 OES Incident Number : 9990220
 Time Notified : 1217
 Surrounding Area : 600
 Estimated Temperature : Not reported
 Property Management : S
 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 : Not reported
 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 : SMITH
 Report Date : 22-NOV-88
 Comments : No
 Facility Telephone Number : 916 445-1865
 Waterway Involved : Not reported
 Waterway : Not reported
 Spill Site : Not reported
 Cleanup By : Not reported
 Containment : Not reported
 What Happened : Not reported
 Date/Time : Not reported
 Evacuations : Not reported
 Type : Not reported
 Other : Not reported
 Chemical 1 : Not Reported
 Chemical 2 : Not Reported
 Chemical 3 : Not Reported

25
 ESE
 1/2-1
 4964 ft.
 Higher

ONIZUKA AIR STATION
1080 LOCKHEED WAY
SUNNYVALE, CA 94089

HAZNET S101661367
Cortese N/A
Cal-Sites
AST

CAL-SITES:

Facility ID 43970001
 Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
 Status Date: 07/22/1997
 Lead: RWQCB
 Region: 1 - SACRAMENTO

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ONIZUKA AIR STATION (Continued)

S101661367

Branch: NO - OMF-NORTHERN CALIF
File Name: ONIZUKA AIR STATION
Status Name: PROPERTY/SITE REFERRED TO RWQCB
Lead Agency: REGIONAL WATER QUALITY CONTROL BOARD Not reported
NPL: Not Listed
SIC: 97 NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Facility Type: OPEN
Type Name: OPEN MILITARY BASE
Staff Member Responsible for Site: LMCMAHA1
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF - SAN FRANCISCO BAY
Access: Controlled
Cortese: C
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Suspected
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
Lat/long Method: Not reported
State Assembly District Code: 22
State Senate District: 13

The CAL-SITES database may contain additional details for this site.
Please contact your EDR Account Executive for more information.

HAZNET:

Gepaid: CA8570025736
Tepaid: CAD028409019
Gen County: Santa Clara
Tsd County: Los Angeles
Tons: .0375
Category: Other organic solids
Disposal Method: Transfer Station
Contact: ONIZUKA AIR STATION USAF
Telephone: (408) 752-3642
Mailing Address: 21 SOPS/CEV ONIZUKA AIR STA 1080 LOCKHEE
SUNNYVALE, CA 94089 - 1231
County: Santa Clara
Gepaid: CA8570025736
Tepaid: CAD981388952
Gen County: Santa Clara
Tsd County: Shasta
Tons: 3.1452
Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Contact: ONIZUKA AIR STATION USAF
Telephone: (408) 752-3642
Mailing Address: 21 SOPS/CEV ONIZUKA AIR STA 1080 LOCKHEE
SUNNYVALE, CA 94089 - 1231
County: Santa Clara

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ONIZUKA AIR STATION (Continued)

S101661367

Gepaid: CA8570025736
Tepaid: CAD982444481
Gen County: Santa Clara
Tsd County: San Bernardino
Tons: .6050
Category: Other organic solids
Disposal Method: Recycler
Contact: ONIZUKA AIR STATION USAF
Telephone: (408) 752-3642
Mailing Address: 21 SOPS/CEV ONIZUKA AIR STA 1080 LOCKHEE
SUNNYVALE, CA 94089 - 1231
County Santa Clara

Gepaid: CA8570025736
Tepaid: CAD000088252
Gen County: Santa Clara
Tsd County: Los Angeles
Tons: .2293
Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: ONIZUKA AIR STATION USAF
Telephone: (408) 752-3642
Mailing Address: 21 SOPS/CEV ONIZUKA AIR STA 1080 LOCKHEE
SUNNYVALE, CA 94089 - 1231
County Santa Clara

Gepaid: CA8570025736
Tepaid: CAD000088252
Gen County: Santa Clara
Tsd County: Los Angeles
Tons: .0450
Category: Liquids with lead > 500 mg/l
Disposal Method: Transfer Station
Contact: ONIZUKA AIR STATION USAF
Telephone: (408) 752-3642
Mailing Address: 21 SOPS/CEV ONIZUKA AIR STA 1080 LOCKHEE
SUNNYVALE, CA 94089 - 1231
County Santa Clara

The CA HAZNET database contains 244 additional records for this site.
Please contact your EDR Account Executive for more information.

CORTESE:
Reg Id: 43970001
Region: CORTESE
Reg By: CALSI

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

ONIZUKA AIR STATION (Continued)

EDR ID Number
 EPA ID Number

S101661367

AST:
 Facility ID: 2711
 Region: 2
 Owner: DEPARTMENT OF THE AIR FORCE

F26 **LOCKHEED MISSILE & SPACE CO.**
ESE **1111 LOCKHEED WAY**
1/2-1 **SUNNYVALE, CA 94086**
4994 ft.
Higher **Site 1 of 6 in cluster F**

Toxic Pits **S100925062**
N/A

TOXIC PITS:
 Region: 02 Task #: 82006
 Owner: LOCKHEED MISSILE & SPACE CO.
 Num. of Pits: 2 1/2 Mi Limit: No
 Hydro Geological Assessment Report Due: Not Reported
 Final Hydro Geological Assessment Review Completed: 04/14/88
 Cease Discharge Due: 01/01/89 Cease Discharge Completed: 06/01/87
 Closure Due: 07/01/88 Closure Completed: 07/01/88
 Status: CLOSED

F27 **LOCKHEED MISSILE & SPACE AUTO MAINT**
ESE **BLDG 109 111 LOCKHEED WY**
1/2-1 **SUNNYVALE, CA 94086**
4994 ft.
Higher **Site 2 of 6 in cluster F**

RCRIS-SQG **1000270351**
FINDS **CAD981579071**
CHMIRS
CA FID UST
HIST UST

RCRIS:
 Owner: LOCKHEED
 (415) 555-1212
 EPA ID: CAD981579071
 Contact: ENVIRONMENTAL MANAGER
 (408) 742-9101
 Classification: Small Quantity Generator
 Used Oil Recyc: No
 TSDf Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

CHMIRS:
 OES Control Number: 8909017 DOT ID: 1824
 DOT Hazard Class: Corrosives
 Chemical Name: SODIUM HYDROXIDE
 Extent of Release: Not reported
 CAS Number: 1310-73-2 Quantity Released: 200
 Environmental Contamination: Ground Property Use: Industrial, Utility
 Incident Date: 29-NOV-89 Date Completed: 29-NOV-89
 Time Completed : 145
 Physical State Stored : Liquid
 Physical State Released : Liquid
 Release Unit : Gallons
 Container Description : 1

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LOCKHEED MISSLE & SPACE AUTO MAINT (Continued)

1000270351

Container Type : 01
Container Material : Plastic Fiberglass , Rigid
Level Of Container : Ground Level
Container Capacity : 500
Container Capacity Units (code) : 2
Extent Of Release (code) : 6
Agency Id Number : 43105
Agency Incident Number : 8956310
OES Incident Number : 8909017
Time Notified : 101
Surrounding Area : 600
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 : 0
Responding Agency Personel # Of Fatalities : 0
Resp Agncy Personel # Of Decontaminated : 0
Others Number Of Decontaminated : 0
Others Number Of Injuries : 0
Others Number Of Fatalities : 0
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 : FRANK MACQUARRIE 62300
Report Date : 29-NOV-89
Comments : Not reported
Facility Telephone Number : 408 730-7222
Waterway Involved : Not reported
Waterway : Not reported
Spill Site : Not reported
Cleanup By : Not reported
Containment : Not reported
What Happened : Not reported
Date/Time : Not reported
Evacuations : Not reported
Type : Not reported
Other : Not reported
Chemical 1 : Not Reported
Chemical 2 : Not Reported
Chemical 3 : Not Reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

LOCKHEED MISSILE & SPACE AUTO MAINT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000270351

FID:

Facility ID:	43000007	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(408) 742-0703
Mail To:	Not reported 1111 LOCKHEED WAY SUNNYVALE, CA 94086		
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:	64257	Container Num:	WT179-1 US
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	600		
Tank Used for:	WASTE	Tank Construction:	6 inches
Type of Fuel:	Not Reported		
Leak Detection:	Visual	Telephone:	(408) 742-7661
Contact Name:	Not reported	Region:	STATE
Total Tanks:	5	Other Type:	MISSILES
Facility Type:	2		

Facility ID:	64257	Container Num:	WT182-1 US
Tank Num:	2	Year Installed:	1969
Tank Capacity:	12712		
Tank Used for:	WASTE	Tank Construction:	9 inches
Type of Fuel:	Not Reported		
Leak Detection:	Visual	Telephone:	(408) 742-7661
Contact Name:	Not reported	Region:	STATE
Total Tanks:	5	Other Type:	MISSILES
Facility Type:	2		

Facility ID:	64257	Container Num:	WT182-2 US
Tank Num:	3	Year Installed:	1959
Tank Capacity:	12136		
Tank Used for:	WASTE	Tank Construction:	8 inches
Type of Fuel:	Not Reported		
Leak Detection:	Visual	Telephone:	(408) 742-7661
Contact Name:	Not reported	Region:	STATE
Total Tanks:	5	Other Type:	MISSILES
Facility Type:	2		

Facility ID:	64257	Container Num:	WT187-1 US
Tank Num:	4	Year Installed:	1973
Tank Capacity:	2961		
Tank Used for:	WASTE	Tank Construction:	3/16 inches
Type of Fuel:	Not Reported		
Leak Detection:	Visual	Telephone:	(408) 742-7661
Contact Name:	Not reported	Region:	STATE
Total Tanks:	5	Other Type:	MISSILES
Facility Type:	2		

Facility ID:	64257	Container Num:	B186 US NA
Tank Num:	5		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LOCKHEED MISSILE & SPACE AUTO MAINT (Continued)

1000270351

Tank Capacity: 560	Year Installed: 1983
Tank Used for: PRODUCT	
Type of Fuel: DIESEL	Tank Construction: Not reported
Leak Detection: Vapor Sniff Well	
Contact Name: Not reported	Telephone: (408) 742-7661
Total Tanks: 5	Region: STATE
Facility Type: 2	Other Type: MISSILES

**F28
 ESE
 1/2-1
 4994 ft.
 Higher**

**LOCKHEED MISSILES & SPACE COMPANY INC.
 111 LOCKHEED WAY
 SUNNYVALE, CA 94088**

**RCRIS-LQG 1000270340
 RCRIS-TSD CAD009125535
 FINDS
 CORRACTS
 CERC-NFRAP**

Site 3 of 6 in cluster F

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported	Federal Facility: Not a Federal Facility
Non NPL Code: DR	
Ownership Status: Private	NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY	Completed: 06/08/1990
Assessment: PRELIMINARY ASSESSMENT	Completed: 03/19/1991
Assessment: ARCHIVE SITE	Completed: 01/23/1996

CORRACTS Data:

EPA Id: CAD009125535
Region: 9
State: CA
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 2/28/1989
Corrective Action: CA600SR - Stabilization Measures Implemented , Primary measure is source removal and/or treatment

EPA Id: CAD009125535
Region: 9
State: CA
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 8/9/1994
Corrective Action: CA075HI - CA Prioritization, Facility or areawas assigned a high corrective action priority

EPA Id: CAD009125535
Region: 9
State: CA
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 3/19/1991
Corrective Action: CA075HI - CA Prioritization, Facility or areawas assigned a high corrective action priority

EPA Id: CAD009125535
Region: 9
State: CA
Area Name: ENTIRE FACILITY

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOCKHEED MISSILES & SPACE COMPANY INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

Site

1000270340

Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 12/31/1991
Corrective Action: CA650 - Stabilization Construction Completed

EPA Id: CAD009125535
Region: 9
State: CA
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 12/28/2000
Corrective Action: CA725YE - Current Human Exposures Under Control , Yes, Current Human Exposures Under Control has been verified

The CORRACTS database contains 10 additional records for this site.
Please contact your EDR Account Executive for more information.

RCRIS Corrective Action Summary:

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 12/28/2000

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event Date: 12/28/2000

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 09/29/1997

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 09/29/1997

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOCKHEED MISSILES & SPACE COMPANY INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000270340

- Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 08/09/1994
- Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.
Event Date: 08/09/1994
- Event: Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
Event Date: 02/28/1993
- Event: Stabilization Construction Completed
Event Date: 12/31/1991
- Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 03/19/1991
- Event: CMS Approved
Event Date: 09/11/1990
- Event: RFI Approved
Event Date: 04/30/1990
- Event: RFI Workplan Approved
Event Date: 07/31/1989
- Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
Event Date: 02/28/1989
- Event: RFI Imposition
Event Date: 01/20/1988
- Event: CMS Workplan Approved
Event Date: 01/20/1988

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

LOCKHEED MISSILES & SPACE COMPANY INC. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000270340

RCRIS:

Owner: LOCKHEED MISSILES & SPACE CO. & OTHERS
 (408) 742-7215
 EPA ID: CAD009125535
 Contact: ENVIRONMENTAL MANAGER
 (408) 742-7661
 Rank Status: 1
 Rank Date: 08/27/1992
 Classification: Large Quantity Generator, TSDF
 Used Oil Recyc: No
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	51675.00	D002	930119.00
D003	71974.00	D004	850930.00
D005	980983.00	D006	855427.00
D007	1270916.00	D008	925280.00
D009	209.00	D010	850930.00
D011	885788.00	D018	26258.00
D026	21752.00	D035	39226.00
D039	26258.00	D040	29454.00
F001	1974.00	F002	59330.00
F003	72298.00	F005	72298.00
LABP	4157.00	P030	1278.00
P098	1278.00	P104	1278.00
P106	1278.00	U154	456.00
U159	59330.00	U220	59330.00
U228	3196.00	U239	59786.00

Violation Status: Violations exist

Regulation Violated: 264.190-201.J
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 07/27/1995
 Actual Date Achieved Compliance: 08/14/1995

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 07/27/1995
 Penalty Type: Not reported

Regulation Violated: 268.7
 Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
 Date Violation Determined: 07/27/1995
 Actual Date Achieved Compliance: 08/14/1995

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 07/27/1995
 Penalty Type: Not reported

Regulation Violated: 262.50-60
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 07/27/1995
 Actual Date Achieved Compliance: 07/16/1998

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 07/27/1995
 Penalty Type: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LOCKHEED MISSILES & SPACE COMPANY INC. (Continued)

1000270340

Regulation Violated:	262.50-60
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/25/1991
Actual Date Achieved Compliance:	10/25/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/25/1991
Penalty Type:	Not reported
Regulation Violated:	262.30-34.C
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/25/1991
Actual Date Achieved Compliance:	10/25/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/25/1991
Penalty Type:	Not reported
Regulation Violated:	262.10-12.A
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/25/1991
Actual Date Achieved Compliance:	10/25/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/25/1991
Penalty Type:	Not reported
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	12/08/1989
Actual Date Achieved Compliance:	01/30/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/20/1989
Penalty Type:	Not reported
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	04/08/1988
Actual Date Achieved Compliance:	05/11/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/21/1988
Penalty Type:	Not reported
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/22/1988
Actual Date Achieved Compliance:	07/15/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/06/1988
Penalty Type:	Not reported
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	02/22/1988
Actual Date Achieved Compliance:	07/15/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/06/1988
Penalty Type:	Not reported
Regulation Violated:	268.7

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LOCKHEED MISSILES & SPACE COMPANY INC. (Continued)

1000270340

Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
 Date Violation Determined: 02/22/1988
 Actual Date Achieved Compliance: 07/15/1988
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 05/06/1988
 Penalty Type: Not reported
 Regulation Violated: 270
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 03/24/1987
 Actual Date Achieved Compliance: 02/22/1988
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 06/24/1987
 Penalty Type: Final Monetary Penalty
 Enforcement Action: FINAL JUDICIAL ORDERS
 Enforcement Action Date: 09/25/1987
 Penalty Type: Final Monetary Penalty
 Regulation Violated: 270
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 11/26/1986
 Actual Date Achieved Compliance: 02/22/1988
 Enforcement Action: CIVIL ACTION FOR COMPLIANCE
 Enforcement Action Date: 10/28/1986
 Penalty Type: Final Monetary Penalty
 Enforcement Action: FINAL JUDICIAL ORDERS
 Enforcement Action Date: 09/25/1987
 Penalty Type: Final Monetary Penalty

There are 13 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19950814
	GENERATOR-LAND BAN REQUIREMENTS	19950814
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19980716
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19911025
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19911025
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19911025
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19900130
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19880511
Other Evaluation	TSD-LAND BAN REQUIREMENTS	19880715
	GENERATOR-LAND BAN REQUIREMENTS	19880715
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19880715
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19880222
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19880222
Other Evaluation	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19880222

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LOCKHEED MISSILES & SPACE COMPANY INC. (Continued)

1000270340

FINDS:

- Other Pertinent Environmental Activity Identified at Site:
 - Facility Registry System (FRS)
 - National Emissions Trends (NET)
 - National Toxics Inventory (NTI)
 - Resource Conservation and Recovery Act Information system (RCRAINFO)
 - Toxic Chemical Release Inventory System (TRIS)

F29
ESE
1/2-1
4994 ft.
Higher

SUNNYVALE NIROP
1111 LOCKHEED WAY, BLDG 101
SUNNYVALE, CA 94089
Site 4 of 6 in cluster F

Cal-Sites S104241837
N/A

CAL-SITES:

Facility ID: 43970002
 Status: BKLG - BACKLOG, POTENTIAL ANNUAL WORKPLAN (AWP) SITE
 Status Date: 07/22/1997
 Lead: RWQCB
 Region: 1 - SACRAMENTO
 Branch: NO - OMF-NORTHERN CALIF
 File Name: SUNNYVALE NIROP
 Status Name: BACKLOG - POTENTIAL AWP SITE
 Lead Agency: REGIONAL WATER QUALITY CONTROL BOARD Not reported
 NPL: Not Listed
 SIC: 97 NATIONAL SECURITY/INTERNATIONAL AFFAIRS
 Facility Type: OPEN
 Type Name: OPEN MILITARY BASE
 Staff Member Responsible for Site: LMCMAHA1
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF - SAN FRANCISCO BAY
 Access: Controlled
 Cortese: C
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.0° 0.00000' 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: 22
 State Senate District: 13

The CAL-SITES database may contain additional details for this site.
 Please contact your EDR Account Executive for more information.

F30
ESE
1/2-1
4994 ft.
Higher

1111 LOCKHEED WAY
SUNNYVALE, CA 94086
Site 5 of 6 in cluster F

CHMIRS S100275914
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

(Continued)

S100275914

CHMIRS:
OES Control Number: 9012234 DOT ID: Not reported
DOT Hazard Class: Not Reported
Chemical Name: WATER WITH POSSIBLY SOLVABLE METALS
Extent of Release: Not reported
CAS Number: Not reported Quantity Released: 30
Environmental Contamination: Other Property Use: Industrial, Utility
Incident Date: 07-AUG-90 Date Completed: 07-AUG-90
Time Completed : 751
Physical State Stored : Liquid
Physical State Released : Liquid
Release Unit : Gallons
Container Description : 1
Container Type : 02
Container Material : Not reported
Level Of Container : Not reported
Container Capacity : 200
Container Capacity Units (code) : 2
Extent Of Release (code) : 7
Agency Id Number : 43105
Agency Incident Number : 90-35658
OES Incident Number : 9012234
Time Notified : 750
Surrounding Area : 600
Estimated Temperature : 70
Property Management : P
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 : 0
Responding Agency Personel # Of Fatalities : 0
Resp Agncy Personel # Of Decontaminated : 0
Others Number Of Decontaminated : 0
Others Number Of Injuries : 0
Others Number Of Fatalities : 0
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 : DAVID G. FREELS 34500
Report Date : 07-AUG-90
Comments : Yes
Facility Telephone Number : 408 730-7100
Waterway Involved : Not reported
Waterway : Not reported
Spill Site : Not reported
Cleanup By : Not reported
Containment : Not reported
What Happened : Not reported
Date/Time : Not reported
Evacuations : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

(Continued)

EDR ID Number
 EPA ID Number

Database(s)

S100275914

Type : Not reported
 Other : Not reported
 Chemical 1 : Not Reported
 Chemical 2 : Not Reported
 Chemical 3 : Not Reported

F31
 ESE
 1/2-1
 4994 ft.
 Higher

1111 LOCKHEED WAY
 SUNNYVALE, CA 94089

CHMIRS S100275968
 N/A

Site 6 of 6 in cluster F

CHMIRS:

OES Control Number: 9012234 DOT ID: Not reported
 DOT Hazard Class: Not Reported
 Chemical Name: WATER WITH POSSIBLY SOLVABLE METALS
 Extent of Release: Not reported
 CAS Number: Not reported Quantity Released: 30
 Environmental Contamination: Other Property Use: Industrial, Utility
 Incident Date: 07-AUG-90 Date Completed: 07-AUG-90
 Time Completed : 751
 Physical State Stored : Liquid
 Physical State Released : Liquid
 Release Unit : Gallons
 Container Description : 1
 Container Type : 02
 Container Material : Not reported
 Level Of Container : Not reported
 Container Capacity : 200
 Container Capacity Units (code) : 2
 Extent Of Release (code) : 7
 Agency Id Number : 43105
 Agency Incident Number : 90-35658
 OES Incident Number : 9012234
 Time Notified : 750
 Surrounding Area : 600
 Estimated Temperature : 70
 Property Management : P
 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 : 0
 Responding Agency Personel # Of Fatalities : 0
 Resp Agncy Personel # Of Decontaminated : 0
 Others Number Of Decontaminated : 0
 Others Number Of Injuries : 0
 Others Number Of Fatalities : 0
 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 : DAVID G. FREELS 34500
 Report Date : 07-AUG-90

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S100275968

Comments : Yes
 Facility Telephone Number : 408 730-7100
 Waterway Involved : Not reported
 Waterway : Not reported
 Spill Site : Not reported
 Cleanup By : Not reported
 Containment : Not reported
 What Happened : Not reported
 Date/Time : Not reported
 Evacuations : Not reported
 Type : Not reported
 Other : Not reported
 Chemical 1 : Not Reported
 Chemical 2 : Not Reported
 Chemical 3 : Not Reported

**G32
 SSW
 1/2-1
 5056 ft.
 Higher**

**CALIFORNIA FLOWER SHIPPER
 440 LOGUE
 MOUNTAIN VIEW, CA 94040**

**Cortese S105034038
 N/A**

Site 1 of 2 in cluster G

CORTESE:
 Reg Id: 43-0229
 Region: CORTESE
 Reg By: Leaking Underground Storage Tanks

**G33
 SSW
 1/2-1
 5063 ft.
 Higher**

**ROSEBURG FOREST PRODUCTS
 441 LOGUE AVE
 MOUNTAIN VIEW, CA**

**Cortese S103472936
 LUST N/A**

Site 2 of 2 in cluster G

State LUST:
 Cross Street: Not reported
 Qty Leaked: Not reported
 Case Number: 43-0480
 Reg Board: 2
 Chemical: Diesel
 Lead Agency: Local Agency
 Local Agency : 43099
 Case Type: Soil only
 Status: Not reported
 County: Santa Clara
 Abate Method: No Action Taken - no action has as yet been taken at the site
 Review Date: Not reported
 Workplan: 9/17/90
 Pollution Char: Not reported
 Remed Action: Not reported
 Close Date: 8/15/96
 Release Date: Not reported
 Cleanup Fund Id : Not reported
 Discover Date : 4/28/87
 Enforcement Dt : Not reported
 Enf Type: Not reported
 Enter Date : 4/27/87
 Funding: Federal Funds
 Staff Initials: UNK

Confirm Leak: Not reported
 Prelim Assess: 9/17/90
 Remed Plan: Not reported
 Monitoring: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ROSEBURG FOREST PRODUCTS (Continued)

S103472936

How Discovered: Tank Closure
How Stopped: Close Tank
Interim : No
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : CTH
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin # : Not reported
Operator : Not reported
Oversight Prgm: Local Oversight Program UST
Oversight Prgm : LOP
Review Date : 8/20/96
Stop Date : 4/28/87
Work Suspended :N
Responsible Party:BLANK RP
RP Address: Not reported
Global Id: T0608500526
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 3250.830137
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2
Facility Id: 43-0480
Entered Date: / /
Facility Status: Case Closed
Maximum Soil Concentration: 0
Maximum Groundwater Impact: 0
County : Santa Clara
Current Benzene: 0
MTBE Detected in GW: No
MTBE Detected in Soil: Not reported
MTBE: 0
MTBE Qualify: 0

LUST Region SC:

Region: Santa Clara
Closed Date: 8/15/96
Region Code: 2
Date Listed: 1/1/88
SCVWD Id: 06S2W23G01
Oversight Agency: SCVWD

CORTESE:

Reg Id: 43-0480
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

34
WSW
1/2-1
5121 ft.
Higher

LAWRENCE PROPERTY
111 FAIRCHILD DR
MOUNTAIN VIEW, CA 94041

Cortese **S103880846**
LUST **N/A**

State LUST:

Cross Street: Not reported
 Qty Leaked: Not reported
 Case Number: 43-0807
 Reg Board: 2
 Chemical: Gasoline
 Lead Agency: Local Agency
 Local Agency : 43099
 Case Type: Other ground water affected
 Status: Not reported
 County: Santa Clara
 Abate Method: No Action Taken - no action has as yet been taken at the site
 Review Date: Not reported
 Workplan: Not reported
 Pollution Char: Not reported
 Remed Action: Not reported
 Close Date: 6/26/96
 Release Date: Not reported
 Cleanup Fund Id : Not reported
 Discover Date : 7/20/90
 Enforcement Dt : Not reported
 Enf Type: Not reported
 Enter Date : 8/23/90
 Funding: Federal Funds
 Staff Initials: UNK
 How Discovered: Tank Closure
 How Stopped: Close Tank
 Interim : No
 Leak Cause: Structure Failure
 Leak Source: Tank
 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 # : Not reported
 Beneficial: Not reported
 Staff : CTH
 GW Qualifier : Not reported
 Max MTBE Soil : Not reported
 Soil Qualifier : Not reported
 Hydr Basin #: Not reported
 Operator : Not reported
 Oversight Prgm: Local Oversight Program UST
 Oversight Prgm : LOP
 Review Date : 8/23/90
 Stop Date : 7/20/90
 Work Suspended :N
 Responsible Party:BLANK RP
 RP Address: Not reported
 Global Id: T0608500824
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LAWRENCE PROPERTY (Continued)

S103880846

Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 3716.171548
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region SC:

Region: Santa Clara
Closed Date: 6/26/96
Region Code: 2
Date Listed: 8/23/90
SCVWD Id: 06S2W15R01
Oversight Agency: SCVWD

CORTESE:

Reg Id: 43-0807
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

35
ESE
1/2-1
5186 ft.
Higher

1101 LOCKHEED WAY
SUNNYVALE, CA 94087

CHMIRS S100275830
N/A

CHMIRS:

OES Control Number: 9011529 DOT ID: 1935
DOT Hazard Class: Not Reported
Chemical Name: CYANIDE
Extent of Release: Not reported
CAS Number: Not reported Quantity Released: 5000
Environmental Contamination: Other Property Use: Hazmat Chemical Manufacturing
Incident Date: 24-JUN-90 Date Completed: 24-JUN-90
Time Completed : 1930
Physical State Stored : Liquid
Physical State Released : Liquid
Release Unit : Gallons
Container Description : 1
Container Type : 08
Container Material : Other
Level Of Container : Below Ground
Container Capacity : 4700
Container Capacity Units (code) : 2
Extent Of Release (code) : 7
Agency Id Number : 43105
Agency Incident Number : 90-28041
OES Incident Number : 9011529
Time Notified : 1629
Surrounding Area : 700
Estimated Temperature : 75
Property Management : P
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 : 0
Responding Agency Personel # Of Fatalities : 0
Resp Agency Personel # Of Decontaminated : 0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

(Continued)

S100275830

Others Number Of Decontaminated : 0
Others Number Of Injuries : 0
Others Number Of Fatalities : 0
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 : ROBERT D. ISAACS
Report Date : 24-JUN-90
Comments : Yes
Facility Telephone Number : 408 773-8810
Waterway Involved : Not reported
Waterway : Not reported
Spill Site : Not reported
Cleanup By : Not reported
Containment : Not reported
What Happened : Not reported
Date/Time : Not reported
Evacuations : Not reported
Type : Not reported
Other : Not reported
Chemical 1 : Not Reported
Chemical 2 : Not Reported
Chemical 3 : Not Reported

MAP FINDINGS - EDR PROPRIETARY HISTORICAL DATABASES

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
------	------	---------	------	----	------	-------	-------	------

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

EDR Historical Gas Station & Dry Cleaner Search: No mapped sites were found in EDR's search of the EDR Historical Gas Station & Dry Cleaner Database within 0.250 mile of the Target Property.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL DORADO	S100184408	UNION MINE LANDFILL	UNION MINE ROAD	94089	Notify 65, Cal-Sites
SUNNYVALE	S105628346	MONOLITHIC MEMORIES	1165 E ARQUES AVE	94085	Cal-Sites
SUNNYVALE	S105181519	US AIR FORCE SUNNYVALE	6594 SQUADRON ST	94089	LUST

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D018	BENZENE
D022	CHLOROFORM
D026	CRESOL
D029	1,1-DICHLOROETHYLENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE

EPA Waste Codes Addendum

Code	Description
D043	VINYL CHLORIDE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
P030	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
P098	POTASSIUM CYANIDE
P098	POTASSIUM CYANIDE K(CN)
P104	SILVER CYANIDE
P104	SILVER CYANIDE AG(CN)
P106	SODIUM CYANIDE
P106	SODIUM CYANIDE NA(CN)
U154	METHANOL (I)

EPA Waste Codes Addendum

Code	Description
U154	METHYL ALCOHOL (I)
U159	2-BUTANONE (I,T)
U159	METHYL ETHYL KETONE (MEK) (I,T)
U220	BENZENE, METHYL-
U220	TOLUENE
U228	ETHENE, TRICHLORO-
U228	TRICHLOROETHYLENE
U239	BENZENE, DIMETHYL- (I,T)
U239	XYLENE (I)

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: 10/24/02

Date Made Active at EDR: 12/09/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/04/02

Elapsed ASTM days: 35

Date of Last EDR Contact: 11/04/02

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/24/02

Date Made Active at EDR: 12/09/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/04/02

Elapsed ASTM days: 35

Date of Last EDR Contact: 11/04/02

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: 08/15/02

Date Made Active at EDR: 10/28/02

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/23/02

Elapsed ASTM days: 35

Date of Last EDR Contact: 12/26/02

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/15/02
Date Made Active at EDR: 10/28/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/03/02
Elapsed ASTM days: 25
Date of Last EDR Contact: 12/26/02

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/29/02
Date Made Active at EDR: 12/26/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/15/02
Elapsed ASTM days: 72
Date of Last EDR Contact: 12/09/02

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 09/09/02
Date Made Active at EDR: 10/28/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/24/02
Elapsed ASTM days: 34
Date of Last EDR Contact: 12/26/02

ERNS: Emergency Response Notification System

Source: EPA/NTIS
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/01
Date Made Active at EDR: 07/15/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/02/02
Elapsed ASTM days: 13
Date of Last EDR Contact: 10/28/02

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: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/17/02
Date of Next Scheduled EDR Contact: 03/17/03

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/21/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/03
Date of Next Scheduled EDR Contact: 04/07/03

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: 10/18/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/04/02
Date of Next Scheduled EDR Contact: 02/03/03

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: 10/10/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

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: 07/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 10/21/02
Date of Next Scheduled EDR Contact: 01/20/03

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: 10/21/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 09/10/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/03/03
Date of Next Scheduled EDR Contact: 03/31/03

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/25/02
Date of Next Scheduled EDR Contact: 02/24/03

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: 09/20/02
Database Release Frequency: Annually

Date of Last EDR Contact: 11/13/02
Date of Next Scheduled EDR Contact: 02/10/03

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/10/02
Date of Next Scheduled EDR Contact: 03/10/03

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 12/26/02
Date of Next Scheduled EDR Contact: 03/24/03

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: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 12/10/02
Date of Next Scheduled EDR Contact: 03/10/03

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

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 10/24/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/02
Date of Next Scheduled EDR Contact: 03/24/03

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

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: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 10/22/02
Date of Next Scheduled EDR Contact: 01/20/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 202-564-2501

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: 10/24/02

Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/02

Date of Next Scheduled EDR Contact: 03/24/03

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: 10/04/02

Date Made Active at EDR: 10/23/02

Database Release Frequency: Annually

Date of Data Arrival at EDR: 10/07/02

Elapsed ASTM days: 16

Date of Last EDR Contact: 01/06/03

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: 11/21/02

Date Made Active at EDR: 01/15/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/09/02

Elapsed ASTM days: 37

Date of Last EDR Contact: 12/09/02

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: 12/31/01

Date Made Active at EDR: 01/15/03

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 12/02/02

Elapsed ASTM days: 44

Date of Last EDR Contact: 11/25/02

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).

Date of Government Version: 04/01/01

Date Made Active at EDR: 07/26/01

Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/29/01

Elapsed ASTM days: 58

Date of Last EDR Contact: 10/28/02

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/21/02

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: 11/04/02

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 inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/16/02
Date Made Active at EDR: 01/15/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/17/02
Elapsed ASTM days: 29
Date of Last EDR Contact: 12/17/02

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: 12/10/02

LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board
Telephone: 916-341-5740

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/11/02
Date Made Active at EDR: 09/03/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/18/02
Elapsed ASTM days: 47
Date of Last EDR Contact: 01/08/03

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA UST:

UST: Active UST Facilities

Source: SWRCB

Telephone: 916-341-5700

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/17/02

Date Made Active at EDR: 02/12/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/21/02

Elapsed ASTM days: 22

Date of Last EDR Contact: 01/08/03

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: 10/10/02

Date Made Active at EDR: 10/23/02

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/14/02

Elapsed ASTM days: 9

Date of Last EDR Contact: 01/06/03

INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 9

Telephone: 415-972-3368

Date of Government Version: N/A

Date Made Active at EDR: N/A

Database Release Frequency: Varies

Date of Data Arrival at EDR: N/A

Elapsed ASTM days: 0

Date of Last EDR Contact: N/A

CA FID UST: Facility Inventory Database

Source: California Environmental Protection Agency

Telephone: 916-445-6532

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94

Date Made Active at EDR: 09/29/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95

Elapsed ASTM days: 24

Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board

Telephone: 916-341-5700

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: 916-227-4382

Registered Aboveground Storage Tanks.

Date of Government Version: 11/20/02

Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/04/02

Date of Next Scheduled EDR Contact: 02/03/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CLEANERS: Cleaner Facilities

Source: Department of Toxic Substance Control
Telephone: 916-225-0873

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: 03/18/02
Database Release Frequency: Annually

Date of Last EDR Contact: 01/10/03
Date of Next Scheduled EDR Contact: 04/07/03

CA WDS: Waste Discharge System

Source: State Water Resources Control Board
Telephone: 916-657-1571

Sites which have been issued waste discharge requirements.

Date of Government Version: 09/16/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/02
Date of Next Scheduled EDR Contact: 03/24/03

DEED: List of Deed Restrictions

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 10/04/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

HAZNET: Hazardous Waste Information System

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: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 11/12/02
Date of Next Scheduled EDR Contact: 02/10/03

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/02/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/28/02
Date of Next Scheduled EDR Contact: 01/27/03

Underground Tanks

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 11/26/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/28/02
Date of Next Scheduled EDR Contact: 01/27/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/05/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/02/02
Date of Next Scheduled EDR Contact: 03/03/03

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: 10/31/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/02
Date of Next Scheduled EDR Contact: 02/10/03

KERN COUNTY:

Underground Storage Tank Sites & Tanks Listing

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 06/01/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/02/02
Date of Next Scheduled EDR Contact: 03/03/03

LOS ANGELES COUNTY:

List of Solid Waste Facilities

Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 10/28/02
Database Release Frequency: Varies

Date of Last EDR Contact: 11/21/02
Date of Next Scheduled EDR Contact: 02/17/03

City of El Segundo Underground Storage Tank

Source: City of El Segundo Fire Department
Telephone: 310-607-2239

Date of Government Version: 11/01/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/18/02
Date of Next Scheduled EDR Contact: 02/17/03

City of Long Beach Underground Storage Tank

Source: City of Long Beach Fire Department
Telephone: 562-570-2543

Date of Government Version: 05/30/02
Database Release Frequency: Annually

Date of Last EDR Contact: 11/25/02
Date of Next Scheduled EDR Contact: 02/24/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 08/01/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/18/02
Date of Next Scheduled EDR Contact: 02/17/03

City of Los Angeles Landfills

Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/02
Database Release Frequency: Varies

Date of Last EDR Contact: 12/17/02
Date of Next Scheduled EDR Contact: 03/17/03

HMS: Street Number List

Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 08/29/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/18/02
Date of Next Scheduled EDR Contact: 02/17/03

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: 02/28/02
Database Release Frequency: Annually

Date of Last EDR Contact: 11/18/02
Date of Next Scheduled EDR Contact: 02/17/03

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: 06/29/99
Date of Next Scheduled EDR Contact: N/A

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: 08/06/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/04/02
Date of Next Scheduled EDR Contact: 02/03/03

NAPA COUNTY:

Sites With Reported Contamination

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 09/30/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/30/02
Date of Next Scheduled EDR Contact: 03/31/03

Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/02
Database Release Frequency: Annually

Date of Last EDR Contact: 12/30/02
Date of Next Scheduled EDR Contact: 03/31/03

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: 11/27/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/09/02
Date of Next Scheduled EDR Contact: 03/10/03

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: 11/27/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/09/02
Date of Next Scheduled EDR Contact: 03/10/03

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 10/24/00
Database Release Frequency: Annually

Date of Last EDR Contact: 12/09/02
Date of Next Scheduled EDR Contact: 03/10/03

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: 10/22/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/26/02
Date of Next Scheduled EDR Contact: 03/24/03

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/26/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/21/02
Date of Next Scheduled EDR Contact: 01/20/03

Underground Storage Tank Tank List

Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 09/04/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/21/02
Date of Next Scheduled EDR Contact: 01/20/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SACRAMENTO COUNTY:

CS - Contaminated Sites

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 10/25/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/04/02
Date of Next Scheduled EDR Contact: 02/03/03

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: 11/05/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/04/02
Date of Next Scheduled EDR Contact: 02/03/03

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: 06/27/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/30/02
Date of Next Scheduled EDR Contact: 03/10/03

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: 11/25/02
Date of Next Scheduled EDR Contact: 02/24/03

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: 03/31/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/09/03
Date of Next Scheduled EDR Contact: 04/07/03

SAN FRANCISCO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Oversight Facilities

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 12/11/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/09/02
Date of Next Scheduled EDR Contact: 03/10/03

Underground Storage Tank Information

Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 12/11/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/09/02
Date of Next Scheduled EDR Contact: 03/10/03

SAN MATEO COUNTY:

Fuel Leak List

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 10/28/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/28/02
Date of Next Scheduled EDR Contact: 01/27/03

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: 05/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 01/13/03
Date of Next Scheduled EDR Contact: 04/14/03

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 07/23/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/30/02
Date of Next Scheduled EDR Contact: 03/31/03

Hazardous Material Facilities

Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 01/03/02
Database Release Frequency: Annually

Date of Last EDR Contact: 12/09/02
Date of Next Scheduled EDR Contact: 03/10/03

SOLANO COUNTY:

Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/20/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/16/02
Date of Next Scheduled EDR Contact: 03/17/03

Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/16/02
Date of Next Scheduled EDR Contact: 03/17/03

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 11/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/28/02
Date of Next Scheduled EDR Contact: 01/27/03

SUTTER COUNTY:

Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 07/01/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

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: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 01/13/03
Date of Next Scheduled EDR Contact: 04/14/03

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: 09/04/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/17/02
Date of Next Scheduled EDR Contact: 03/17/03

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: 10/21/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/14/02
Date of Next Scheduled EDR Contact: 01/13/03

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: 09/13/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/17/02
Date of Next Scheduled EDR Contact: 03/17/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 10/28/02
Database Release Frequency: Annually

Date of Last EDR Contact: 10/21/02
Date of Next Scheduled EDR Contact: 01/20/03

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

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
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/25/02
Date of Next Scheduled EDR Contact: 02/24/03

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: 07/01/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/13/03
Date of Next Scheduled EDR Contact: 04/14/03

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: 11/18/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/18/02
Date of Next Scheduled EDR Contact: 02/17/03

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-6600

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 08/09/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/30/02
Date of Next Scheduled EDR Contact: 03/31/03

LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3125

Date of Government Version: 10/01/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

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: 01/02/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/25/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

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: 07/02/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/30/02
Date of Next Scheduled EDR Contact: 03/31/03

LUST REG 8: Leaking Underground Storage Tanks

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498

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: 12/02/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/13/02
Date of Next Scheduled EDR Contact: 02/10/03

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
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/21/02
Date of Next Scheduled EDR Contact: 01/20/03

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 02/01/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/25/02
Date of Next Scheduled EDR Contact: 02/24/03

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: 07/01/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/13/03
Date of Next Scheduled EDR Contact: 04/13/03

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: 11/18/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/18/02
Date of Next Scheduled EDR Contact: 02/17/03

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/28/02
Date of Next Scheduled EDR Contact: 01/27/03

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 10/01/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

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: 07/19/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 06/01/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

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: 03/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 12/02/02
Date of Next Scheduled EDR Contact: 03/03/03

EDR PROPRIETARY HISTORICAL DATABASES

EDR Historical Gas Station and Dry Cleaners: EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning and gas station/filling station/service station establishments. The categories reviewed included, but were not limited to: *gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.*

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

(A note on "dry cleaning" sites: it is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

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

© 2003 Geographic Data Technology, Inc., Rel. 07/2001. 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.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CA AIR NAT. GUARD 129TH RESCUE WING
129TH RESCUE WING BLDG 683
MOFFETT FIELD NAS, CA 94035

TARGET PROPERTY COORDINATES

Latitude (North):	37.410900 - 37° 24' 39.2"
Longitude (West):	122.044998 - 122° 2' 42.0"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	584515.8
UTM Y (Meters):	4140680.2

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2437122-D1 MOUNTAIN VIEW, CA
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General North

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	FEMA Flood <u>Electronic Data</u>
SANTA CLARA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0603370045E

Additional Panels in search area: 0603520002C
0603520001C
0603470004D
0603470007C
0603470003D
0603470006C

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	NWI Electronic <u>Data Coverage</u>
MOUNTAIN VIEW	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Site-Specific Hydrogeological Data*:

Search Radius: 2.0 miles
Location Relative to TP: 1/4 - 1/2 Mile NW
Site Name: Moffett Naval Air Station
Site EPA ID Number: CA2170090078
Surficial Aquifer Flow Dir.: N TOWARD SAN FRANCISCO BAY.
Measured Depth to Water: between 5 feet and 60 feet.
Hydraulic Connection: Aquitards separate the surficial, intermediate, and lower aquifers.
Sole Source Aquifer: No information about a sole source aquifer is available
Data Quality: Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 2.000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
4	1 - 2 Miles SSW	N

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Component Name: REYES

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 0.20 Min: 0.06	Max: 6.50 Min: 3.60
2	14 inches	63 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 0.20 Min: 0.06	Max: 6.00 Min: 3.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: mucky - clay
silty clay loam
loam
silt loam
clay loam

Surficial Soil Types: mucky - clay
silty clay loam
loam
silt loam
clay loam

Shallow Soil Types: clay

Deeper Soil Types: mucky - clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

cobbly - clay loam
stratified
silty clay loam
clay loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	372404122020403	1/2 - 1 Mile SE
A2	372404122020401	1/2 - 1 Mile SE
A3	372404122020402	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

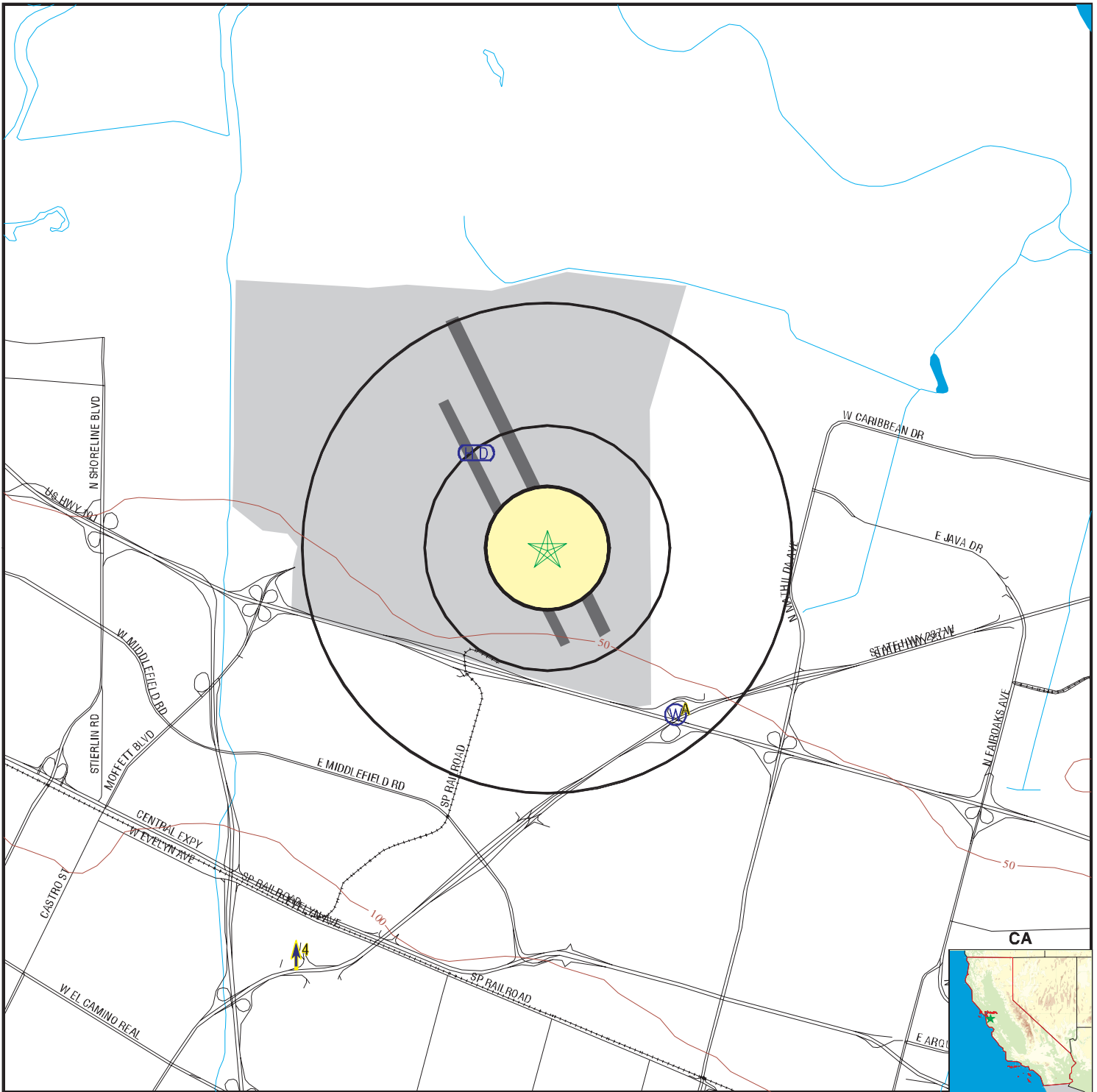
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

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

PHYSICAL SETTING SOURCE MAP - 911071.4s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons

- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data
- Oil, gas or related wells



TARGET PROPERTY:	CA Air Nat. Guard 129th Rescue Wing	CUSTOMER:	The Environmental Company, Inc
ADDRESS:	129th Rescue Wing Bldg 683	CONTACT:	Chris E. Davis
CITY/STATE/ZIP:	Moffett Field Nas CA 94035	INQUIRY #:	911071.4s
LAT/LONG:	37.4109 / 122.0450	DATE:	January 15, 2003 1:02 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SE
1/2 - 1 Mile
Higher

FED USGS 372404122020403

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1961	County:	Santa Clara
Altitude:	35.00 ft.	State:	California
Well Depth:	548.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Unused

A2
SE
1/2 - 1 Mile
Higher

FED USGS 372404122020401

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1961	County:	Santa Clara
Altitude:	35.00 ft.	State:	California
Well Depth:	972.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Unused

A3
SE
1/2 - 1 Mile
Higher

FED USGS 372404122020402

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1961	County:	Santa Clara
Altitude:	35.00 ft.	State:	California
Well Depth:	250.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Unused

4
SSW
1 - 2 Miles
Higher

Site ID:	718874
Groundwater Flow:	N
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	Not Reported
Date:	08/23/1996

AQUIFLOW 36170

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SANTA CLARA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SANTA CLARA COUNTY, CA

Number of sites tested: 70

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	1.363 pCi/L	91%	9%	0%
Living Area - 2nd Floor	2.100 pCi/L	100%	0%	0%
Basement	2.300 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-4099

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-4099

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations for District 2, 3, 5 and 6

Source: Department of Conservation

Telephone: 916-323-1779

RADON

Area Radon Information

Source: USGS

Telephone: 303-202-4210

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 202-564-9370

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.



"Linking Technology with Tradition"

Preliminary Sanborn® Map Report

Ship to: Chris E. Davis

The Environmental Company, Inc

1525 State Street

Santa Barbara, CA 93101

1085898ACP

805-564-4940

Order Date: 1/14/2003

Completion Date: 01/15/2003

Inquiry #: 911071.5S

P.O. #: -

Site Name: 129th Rescue Wing Bldg 683

Address: CA Air Nat. Guard 129th Rescue Wing

City/State: Moffett Field Nas, CA 94035

Cross Streets:

This document reports that EDR's collection of Sanborn® fire insurance maps has been reviewed, and based on client-supplied information, Sanborn® fire insurance maps depicting the target property at the specified location were not identified.

NO COVERAGE

A final Sanborn® Map Report is provided when the Sanborn® Map Search/Print Report is ordered.

All maps provided pursuant to a Sanborn® Map Report are currently reproducible of fire insurance maps owned or licensed by Environmental Data Resources, Inc. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE WHATSOEVER. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES AS TO ACCURACY, VALIDITY, COMPLETENESS, SUITABILITY, CONDITION, QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR USE OR PURPOSE WITH RESPECT TO THE REPORT, THE MAPS, THE INFORMATION CONTAINED THEREIN, OR THE RESULTS OF A SEARCH OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. Environmental Data Resources, Inc. assumes no liability to any party for any loss or damage whether arising out of errors or omissions, negligence, accident or any other cause. In no event shall Environmental Data Resources, Inc., its affiliates or agents, be liable to anyone for special, incidental, consequential or exemplary damages.

This is a preliminary report. When the Sanborn® Map Search/Print Report is ordered, the Preliminary Sanborn® Map Report will be replaced by a final report after quality review. The final report may contain materially different information from the information contained in this preliminary report. Only a final report should be used in connection with a final site assessment.



2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281
Phone: (480) 967-6752
Fax Number: (480) 966-9422
Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

**CALIFORNIA AIR NATIONAL GUARD 129TH
129TH RESCUE WING BUILDING 683
MOFFETT FIELD NAS, CALIFORNIA**

Submitted to:

**ENVIRONMENTAL DATA RESOURCES
C/O
THE ENVIRONMENTAL COMPANY, INC.
1525 State Street, Suite 103
Santa Barbara California 93101
805-564-4940**

Attention: Chris E. Davis

Project No. N03-0299

February 25, 2003

NETR-Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

Site 1: Beginning at the Point of Beginning, southeasterly corner of the Moffett Federal Air Field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 953.92 feet; Thence North 89°02'55" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 125.34 feet to the True Point of Beginning. Thence North 89°56'22" West 357.92 feet; Thence North 21°20'47" West 3,689.51 feet; Thence

(continued)

North 68°41'58" East 1,634.27 feet; Thence North 15°52'20" East 148.60 feet; Thence North 19°55'28" East 20.04 feet; Thence South 67°40'58" East 30.91 feet; Thence South 21°01'36" East 345.49 feet, Thence through a curve to the right having a radius 550.00 feet, length 210.62 feet, through a central angle of 21°56'28", Thence South 00°54'52" West 3,652.35 feet to the True Point of Beginning, containing approximately 96.93 acres.

Site 2: Beginning at Point of Beginning, the Southeasterly corner of the Moffett Federal Air field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 6,274.58 feet; Thence continuing along the Easterly property line of Moffett Federal Air Field North 16°16'55" East 1,622.82 feet; Thence North 73°43'05" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 2,869.65 feet to the True Point of Beginning. Thence North 550206 West 46.00 feet; Thence through a nontangential curve to the left with a radial bearing of North 57°45'03" West having radius 181.00 feet, length 142.98 feet, through a central angle of 45°15'38"; Thence South 76°19'11" West 196.93 feet; Thence North 58°33'37" West 167.20 feet; Thence North 13°59'18" West 214.25 feet; Thence North 34°49'28" East 111.67 feet; Thence North 76°07'55" East 728.67 feet; Thence South 57°39'13" East 148.81 feet; Thence South 13°54'57" East 152.28 feet; Thence South 18°41'52" West 175.66 feet; thence South 76°08'58" West 435.74 feet; Thence through a nontangential curve to the right with a radial bearing of South 78°49'46" West having radius of 338.00 feet, length 97.06 feet, through a central angle of 16°27'13"; Thence North 86°35'17" West 14.75 feet; Thence through a curve to the left, having radius 12.00 feet, length of 16.75 feet, through a central angle of 79°59'43"; Thence through a curve to the right having radius 250.00 feet, length of 82.30 feet, through a central angle of 18°51'45" to the True Point of Beginning, containing approximately 8.27 acres.

Site 2A: Beginning at the Point of Beginning, the Southeasterly corner of the Moffett Federal Air Field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 6,274.58 feet; Thence North 16°16'55" East 543.57 feet; Thence North 73°43'05" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 1,114.90 feet to the True Point of Beginning. Thence North 70°18'07" West 107.46 feet; Thence North 60°34'38" West 402.85 feet; Thence North 36°25'57" West 274.06 feet; Thence North 17°48'20" East 88.36 feet; Thence South 76°18'29" East 92.82 feet; Thence North 50°45'56" East 827.99 feet; Thence South 72°53'37" East 154.78 feet; Thence South 16°20'16" West 1,036.81 feet to the True Point of Beginning, containing approximately 10.57 acres.

Site 5: Beginning at the Point of Beginning, the Northwest corner of the Ellis Street Right of Way, Thence North 50°34'17" West 1703 feet to the True Point of Beginning. Thence South 39°25'43" West 89.57 feet; Thence North 73°39'58" West 310.38 feet; Thence North 32°19'14" West 60.29 feet; Thence North 73°34'47" West 115.16 feet; Thence North 16°01'36" East 50.96 feet; Thence North 73°58'24" West 205.49 feet; Thence through a nontangential curve to the right with a radial bearing of North 86°47'39" East, having radius 840.00 feet, length 296.58 feet, through a central angle of 20°13'46"; Thence North 67°38'43" East 111.57 feet; Thence through a curve to the right having radius 532.00 feet, length 410.84 feet, through a central angle

(continued)

of 44°14'50"; Thence through a curve to the right having radius 160.00 feet, length 82.20 feet, through a central angle of 29°26'14"; Thence South 38°40'13" East 133.72 feet; Thence South 43°14'28" East 47.23 feet; Thence South 14°17'19" West 248.90 feet; Thence South 42°53'27" East 91.14 feet; Thence South 39°25'43" West 63.45 feet to the True Point of Beginning, containing approximately 7.70 acres.

Site 8: Beginning at Point of Beginning, the Southeasterly corner of the Moffett Federal Air Field, Thence North 00°57'05" East along the Easterly property line of Moffett Federal Air Field, 5,923.78 feet; Thence North 89°02'55" West, said bearing being at right angles with the Easterly boundary of Moffett Federal Air Field, 1,238.95 feet to the True Point of Beginning. Thence South 68°38'54" West 504.22 feet; Thence North 21°21'06" West 631.35 feet; Thence South 68°39'31" West 607.05 feet; Thence North 21°19'26" West 500.80 feet; Thence North 68°41'44" East 188.99 feet; Thence North 21°21'20" West 447.58 feet; Thence South 83°43'57" East 194.27 feet; Thence through a nontangential curve to the left with a radial bearing of North 10°01'32" East, having radius 252.00 feet, length 108.07 feet, through a central angle of 24°34'13", Thence South 21°08'11" East 322.67 feet; Thence North 68°41'44" East 434.87 feet; Thence South 21°03'40" East 769.14 feet; Thence North 68°38'54" East 119.84 feet; Thence South 21°21'06" East 362.39 feet to the True Point of Beginning, containing approximately 17.79 acres.

1. HISTORICAL CHAIN OF TITLE

Records were researched at the Santa Clara County Recorders' and Assessors' Office back to 1940. The current owner of the subject property is the United States of America. However, no conveyances of record were found conveying title to the property to the United States of America. Based on our research, it appears the United States of America acquired title to the property prior to 1940.

2. LEASES AND MISCELLANEOUS

1. No leases were found of record.

3. LIMITATION

This report was prepared for the use of Environmental Data Resources, Inc., and The Environmental Company, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR-Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Appendix E

Interview Forms

This page intentionally left blank

INTERVIEWS

As part of the data collection effort associated with this EBS, the following individuals were interviewed:

- Lt. Col Angela Alexander – 129 RQW CANG, Base Civil Engineer
- Major Reuben Sendejas – 129 RQW CANG, Environmental Manager
- CMSgt Charles Brown – 129 RQW CANG, Environmental Technician

The following responses to the EBS questionnaire were developed by the CANG at Moffett Federal Airfield.

Question: *To the best of your knowledge have any of the following documents been issued relative to the property?*

- **Environmental site assessment reports-** Answer: NAS Moffett Field Baseline Environmental Report, June 1994. Final Environmental Assessment, Moffett Field Comprehensive Use Plan, August 1994.
- **Environmental audit reports-** Answer: Unknown.
- **Environmental permits (e.g., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, or NPDES permits) -** Answer: These types of permits, including an EPA I.D. #, are acquired and maintained by NASA as the facility host.
- **Registrations for ASTs and USTs- ASTs and USTs are listed in the EBS.** Answer: Previously used USTs were permitted. All USTs were removed in October 1998.
- **Material Safety Data Sheets (MSDSs)-** Answer: MSDS files are maintained by each using shop/function.
- **Community Right-to-Know Plan-** Answer: Emergency Planning and Community Right-to-Know Act (EPCRA) Weapons System Assessment is on file in the 129 RQW Environmental Management Office (RQW/EMO).
- **Safety Plans; preparedness and prevention plans; spill prevention control and countermeasure (SPCC) and control plans-** Answer: Subject plans are published by NASA as the facility host and are maintained for the ANG by RQW/EMO.
- **Reports defining hydrogeologic conditions on the property or surrounding area-** Answer: These issues addressed in the Final Environmental Assessment, Moffett Field Comprehensive Use Plan, August 1994.
- **Geotechnical studies-** Answer: These issues addressed in the Final Environmental Assessment, Moffett Field Comprehensive Use Plan, August 1994.
- **Hazardous waste generator notices, reports, or manifests-** Answer: HW reports and manifests are produced by NASA Environmental as the holder of the EPA I.D. number and maintained on file for ANG by RQW/EMO.

- *Notices or other correspondence from any government agency relating to current or past violations of environmental laws relative to the property or relating to environmental liens encumbering the property-* Answer: NOVs (administrative findings).
- *Pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property-* Answer: None known.
- *Pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property-* Answer: None known.
- *Notices from any government entity regarding possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products-* Answer: Environmental Restoration Program (ERP) sites exist on Moffett Federal Airfield. The United States Navy retains the responsibility for remediation of these sites as a condition of their transfer of stewardship for Moffett to NASA in 1994.

Interview Questions:

1. *Is the subject property or any adjoining property used for industrial purposes?* Answer: Bldg 47: Acft Maint; Bldg 146: Veh Maint; Bldg 682: HAZMAT Storage; Bldg 683: BCE Shops; Bldg 684: AGE Maint; Facility 1000: Acft Parking Ramps; Bldg 650: Acft Maint/Logistics; Bldg 662: Composite Maint Hangar; Bldg 484: Munitions Maint.
2. *Is there any record or knowledge of the property or any adjoining property being used for industrial uses in the past?* Answer: Bldg 651: Battery Storage (Navy); Bldg 669: Engine/Propeller Maint/Trng (Navy).
3. *Based on consultation with the local fire department or a review of fire insurance maps, are any buildings or other improvements on the subject property or adjacent properties identified as having been used for industrial purposes that could lead to contamination of the property?* Answer: Various ERP sites on base – Navy retains responsibility for remediation.
4. *Do any of the following uses or similar activities currently take place on the property or any adjoining property: dry cleaners; photo developing lab; commercial printing facility; gasoline stations; motor repair facility; junkyard; landfill; waste treatment/storage/disposal/processing/recycling facility?* Answer: Bldg 47: Acft Maint; Bldg 146: Veh Maint; Bldg 682: HAZMAT Storage; Bldg 683: BCE Shops; Bldg 684: AGE Maint; Facility 1000: Acft Parking Ramps; Bldg 650: Acft Maint/Logistics; Bldg 662: Composite Maint Hangar; Bldg 484: Munitions Maint.
5. *Have any of these activities taken place on the property or any adjoining property in the past?* Answer: Gasoline station in Bldg 146 compound.
6. *Are there currently, or have there previously been any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals of more than 5 gallons per container, or a total volume or more than 50 gallons in multiple containers stored or used at the property or facility?* Answer: Yes, storage/use. Maintenance activities at previously noted buildings.

7. *Are there currently, or have there previously been any industrial drums (55 gallon) or sacks of chemicals located on the property?* Answer: See Question 6.
8. *Is there currently, or has there previously been any stained or discolored soil on the subject property?* Answer: Soil under new aircraft maintenance hangar apron.
9. *Are there currently, or have there ever been any registered or unregistered ASTs on the property?* Answer: None known.
10. *Are there currently, or have there previously been any vent pipes, fill pipes, or access ports indicating possible fill pipe locations adjacent to any structures or located on the subject property?* Answer: USTs previously existed at Bldgs 680, 681, & 683. Tanks removed in October 1998.
11. *Are there currently, or have there been any drains, walls, or flooring located within structures located on the property that are stained by substances other than water and/or emitting foul odors?* Answer: None Known.
12. *Is the property served by a private or non-public water system?* Answer: No.
13. *Have contaminants been identified in the well or system that exceed guidelines applicable to the system?* Answer: Legionella discovered and remediated in 2002, principally on the NASA side of the base. The high levels of Legionella were found inside the building piping in several facilities; high levels were not found in the distribution system.
14. *Has the well been designated as contaminated by any government environmental or health agency?* Answer: N/A.
15. *Are there any environmental liens or governmental notifications relating to past or current violations of environmental laws with respect to property or structures located on the property?* Answer: No.
16. *Has any previous environmental site assessment of the property indicated the presence of hazardous substances or petroleum products on the property, or contamination of the property?* Answer: ERP sites on base – Navy responsible for cleanup.
17. *Were recommendations made for further assessment of the property?* Answer: Unknown.
18. *Are there any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property?* Answer: No.
19. *Other than storm water discharging to a sanitary sewer system, is wastewater discharged onto or adjacent to the subject property?* Answer: No.
20. *Have any hazardous substances or petroleum products, automotive or industrial batteries, tires, or any other known waste materials been dumped, buried or burned on the subject property or adjacent properties?* Answer: No.

21. *Are there, or have there ever been any electrical transformers, capacitors, or hydraulic equipment located on the property or adjacent properties for which there are any records indicating the presence of PCBs?* Answer: Yes – removed by contractor in 2002.
22. *Is there known groundwater contamination at the property?* Answer: TCE plume on base from civilian industry outside the property, not from ANG activities.
23. *Are there any Environmental Restoration Program Sites identified at the property?* Answer: Sites identified on Moffett; Navy responsibility. None known on current ANG property.
24. *Have oil/water separators been located at the subject property in the Past or Present?* Answer: Yes.
25. *Has there been medical waste known in the past or present to have been used, stored, or disposed of at the property?* Answer: Yes, at Bldgs 685 (Medical Squadron) and Bldg 686 (Pararescue).
26. *Has there been ordnance known in the past or present to have been used, stored, or disposed of at the property?* Answer: Yes – Stored.
27. *Has there been radioactive waste known in the past or present to have been used, stored, or disposed of at the property?* Answer: Unknown.
28. *Are there buildings known to contain asbestos and/or lead-based paint. Is there an asbestos or lead based paint inventory or survey report available?* Answer: Yes. Available data has been turned over to TEC.
29. *Is there a National Pollutant Discharge Elimination System (NPDES) permit in existence for the property?* Answer: Acquired and managed by NASA as facility host.

Appendix F

Building Inspection Forms

This page intentionally left blank

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 47 **Facility Name:** Hangar 3

Year Constructed: _____ **Square Footage:** 87,388

Current Use: Hangar

Does facility currently store or generate hazardous materials/waste: Flammable materials cabinets (i.e. paints, gun cleaners, oils). Paint shop contains 4 flammable cabinets and is a satellite accumulation point.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: AERPlane wash is discharged to an oil water separator which is the responsibility of NASA. NDI lab X-ray component.

Interviews: The 129 RQW only occupies the ¼ of the building at the north east corner. The Maintenance area functions will eventually move to the new hangar.

Additional comments: All storage for administrative support functions. Storage boxes, office furniture. Some of the buildings appear empty. Fuels system shop will also move to the new hangar.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 146 **Facility Name:** Vehicle Maintenance

Year Constructed: 1982 **Square Footage:** 17,515 SF (refueler bay and vehicle maintenance)

Current Use: Vehicle maintenance and refueler vehicle maintenance bay.

Does facility currently store or generate hazardous materials/waste: No

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: Former Oil Water Separator located in the paved parking area outside building 146 was clogged with cement over 10 years ago and no longer operational.

Interviews: Army Reserves occupy the eastern half of the building (Building 958)

Additional comments: Vehicle maintenance and refueler bay. No PCB containing equipment.

Building 992 (warehouse D) is located near 146 and is used for miscellaneous storage. Building 111 is also located near building 146 and is used for Navy and Marine Corps Storage.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 484 **Facility Name:** Munitions Area 3

Year Constructed: 1956 **Square Footage:** 1,200 SF

Current Use: Munitions Storage

Does facility currently store or generate hazardous materials/waste: Munitions storage, small arms explosives. Flammable materials storage cabinet (paints).

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: Quantity Distance Arcs

Interviews: _____

Additional comments: _____

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 561 **Facility Name:** Munitions Area 4

Year Constructed: 1976 **Square Footage:** 2,160 SF

Current Use: Building not currently used.

Does facility currently store or generate hazardous materials/waste: No. Building not used.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: No Hazardous Materials stored in Building

Interviews: _____

Additional comments: _____

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 650 **Facility Name:** Logistics Maintenance

Year Constructed: 1975 **Square Footage:** 34,092 SF

Current Use: Logistics Maintenance

Does facility currently store or generate hazardous materials/waste: Flammable cabinet for hazardous material storage. Aircraft weapons shop.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: None.

Interviews: Army Reserves occupy the eastern half of the building (Building 958)

Additional comments: Logistics functions for aircraft, administrative, avionics, crypto, supply, Electro-environmental, avionics shop for repair and upgrades of aircraft electrical equipment.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 651 **Facility Name:** Battery Repair and Storage Area

Year Constructed: 1954 **Square Footage:** 760 SF

Current Use: Battery Repair and Storage Area

Does facility currently store or generate hazardous materials/waste: No.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: Used as an old battery locker. Not currently used. The building has been vacant since 1994 when the Navy left.

Interviews: _____

Additional comments: _____

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 662 **Facility Name:** Composite Maintenance Hangar

Year Constructed: 2002 **Square Footage:** 62,000 SF

Current Use: Hangar

Does facility currently store or generate hazardous materials/waste: No.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: Open bay hangar with adjacent shop space. Will be occupied in CY 2003.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 653 **Facility Name:** Support Group Functions

Year Constructed: 1984 **Square Footage:** 16,607 SF

Current Use: Support Group

Does facility currently store or generate hazardous materials/waste: No.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: Mission support functions, primarily administrative, security and police,

Recruiters and recruiter storage, etc.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 654, 656 **Facility Name:** Squadron Operations

Year Constructed: 1969 & 1971 **Square Footage:** 13,000 & 12,703 SF

Current Use: Squadron Operations

Does facility currently store or generate hazardous materials/waste: No.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: All administrative functions (i.e., aircrews flight plans, orders, mission briefs, weather briefs, command post, classrooms, navigation charts).

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 655 **Facility Name:** Mobility Warehouse

Year Constructed: 1945 **Square Footage:** 4,820

Current Use: Supply Storage and Warehouse

Does facility currently store or generate hazardous materials/waste: No.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: No hazardous material storage

Interviews: _____

Additional comments: Storage of personnel gear and equipment, mobility bags and equipment.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 658-661 **Facility Name:** Storage Buildings

Year Constructed: 1955 & 1956 **Square Footage:** 364 & 401 SF

Current Use: Storage

Does facility currently store or generate hazardous materials/waste: No.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: No hazardous material storage

Interviews: _____

Additional comments: All storage for administrative support functions. Storage boxes, office furniture. Some of the buildings appear empty.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 669 **Facility Name:** Band, Storage, Classrooms

Year Constructed: 1943 **Square Footage:** 10,000 SF

Current Use: Band, Storage, Classrooms

Does facility currently store or generate hazardous materials/waste: No.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: Chemical agent monitor systems (CAMS) containing a radioactive component are stored in accordance with regulations in a locked cabinet.

Interviews: _____

Additional comments: Formerly used for maintenance and training when Navy was here, now primarily used for storage. Rooms used for the band, classrooms, family support, decontamination training stations.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 679 **Facility Name:** Warehouse

Year Constructed: 1994 **Square Footage:** 10,080 SF

Current Use: Warehouse

Does facility currently store or generate hazardous materials/waste: No

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: Used for storage of communication equipment, building supplies,
deployable equipment, tools, and batteries.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 680 **Facility Name:** Wing Headquarters

Year Constructed: 1980 **Square Footage:** 18,720 SF

Current Use: Wing Headquarters

Does facility currently store or generate hazardous materials/waste: No

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: 2 years ago stopped using photo processing chemicals in Photo lab

Interviews: _____

Additional comments: 2 empty Storage Units located outside of building. Previously used for Communication equipment storage. All administrative functions. No hazardous materials or wastes.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 681 **Facility Name:** Logistics Supply Warehouse

Year Constructed: 1980 **Square Footage:** 30,720 SF

Current Use: Logistics Supply Warehouse

Does facility currently store or generate hazardous materials/waste: Stores small quantities
of ammunition.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: Warehouse, administrative functions for Base Supply and Base Contracting

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 682 **Facility Name:** Hazmart

Year Constructed: 1980 **Square Footage:** 796 SF

Current Use: Hazardous Materials Storage

Does facility currently store or generate hazardous materials/waste: Stores aviation oxygen.

Flamable chemicals (i.e., lubricants, spray paints), corrosives (i.e., batteries).

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: Empty ISO containers outside near building 682. No chemical storage.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 683 **Facility Name:** Base Civil Engineering

Year Constructed: 1980 **Square Footage:** 9,180 SF

Current Use: Base Civil Engineering

Does facility currently store or generate hazardous materials/waste: No

Container for oily rags and flammable materials cabinet found in Carpentry shop.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: Primarily administrative functions, HVAC/Plumbing shop, electrical shop, old photo lab which was decommissioned 2 years ago, carpentry shop.

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 684 **Facility Name:** Aerospace Ground Equipment

Year Constructed: 1984 **Square Footage:** 4,330 SF

Current Use: Aerospace Ground Equipment, Battery Room, Motor Maintenance

Does facility currently store or generate hazardous materials/waste: Waste accumulation area.

Solvents/Degreaser tank. The 129 RQW is responsible for 1 Oil Water Separator which is located outside building 684.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: _____

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 685 **Facility Name:** Medical Training

Year Constructed: 1984 **Square Footage:** 5,800 SF

Current Use: 129 RQW Medical Squadron

Does facility currently store or generate hazardous materials/waste: Some Biohazards, blood
Lab work, etc. Photographic chemicals for dental x-rays.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: Radioactive developer for dental x-ray, storage container meets
standards for storage.

Interviews: _____

Additional comments: _____

**Environmental Baseline Survey
129 RQW California Air National Guard
Proposed Relocation to Castle Airport, Atwater, CA**

Visual Site Inspection Form

Location: Moffett Federal Airfield

Date: December 3-4, 2002

Inspector: Christine Davis, Peer Amble, Ryan Pingree

Escort(s): Major Reuben Sendejas, CMSgt Charles Brown

Facility No.: 686 **Facility Name:** Pararescue Squadron

Year Constructed: 1986 **Square Footage:** 11,822 SF

Current Use: Pararescue Squadron

Does facility currently store or generate hazardous materials/waste: Medical supplies, used needles are stored in sharps containers, small quantities of oils for boat motors.

Accumulation Point: Yes No

Types: Not Applicable

Housekeeping in and around facility: No concerns noted.

Other conditions of concern: _____

Interviews: _____

Additional comments: SCUBA Room, gear storage room, batteries, conex containers storage, additional gear, and equipment. No hazardous materials or wastes.

Appendix G

List of Preparers

This page intentionally left blank

LIST OF PREPARERS

This EBS was prepared for, and under the direction of ANG/CEVP. Members of The Environmental Company's professional staff are listed below:

Project Management

William Halperin, Project Director

Ph.D., Geography

Christine Davis, Project Manager

M.S., Environmental Management

Quality Assurance

Karyn Palma

B.A., Environmental Studies

Ellen Graap Loth

B.S., Natural Resources

Technical Analysts

Peer Amble

B.S., Geography

Yasmin Cronin

M.S., Environmental Science and Management

Ryan Pingree

M.S., Environmental Science and Management

Graphic Design

Deirdre Stites

A.A., Geology

This page intentionally left blank