

Final Environmental Site Assessment and Limited Site Investigation

Golden Gate Bridge Moveable Median Barrier Project

Prepared for the Golden Gate Bridge Highway and Transportation District
Federal Project Number STPL-6003(037)



Final Environmental Site Assessment and Limited Site Investigation

Golden Gate Bridge Moveable Median Barrier Project

Prepared for the Golden Gate Bridge Highway and Transportation District

Federal Project Number STPL-6003(037)

January 2014

TABLE OF CONTENTS

List of Abbreviations	3
Executive Summary.....	5
1.0 Introduction.....	7
1.1 Purpose	7
1.2 Detailed Scope of Services	7
1.3 Significant Assumptions.....	8
1.4 Limitation and Exceptions	8
1.5 Special Terms and Conditions	8
1.6 User Reliance	8
2.1 Location and Legal Description.....	9
2.2 Property and Vicinity General Characteristics	9
2.3 Current Use of the Property	9
2.4 Detailed Property Description.....	9
2.5 Current Uses of Adjacent and Surrounding Parcels	9
3.0 User Provided Information.....	10
3.1 Title Records	10
3.2 Environmental Liens or Activity Use Limitations.....	10
3.3 Specialized Knowledge.....	10
3.4 Owner, Property Manager, and Occupant Information	10
3.5 Reason for Performing the ESA and Limited SI	10
3.6 Other User Information.....	10
4.0 Records Review	11
4.1 Standard Environmental Record Sources.....	11
4.2 Additional Environmental Record Source.....	13
4.3 Physical Setting Sources	13
4.4 Historical Use Information.....	13
4.5 Historical Use Information on Adjacent Parcels	14
5.0 Property Reconnaissance.....	15
5.1 Methodology and Limiting Conditions	15
5.2 General Property Setting	15
5.3 Site Observations.....	15
6.0 Interviews	16
6.1 Interviews with Occupants	16
7.0 Limited SI Field Activities.....	17
7.1 Field Investigation Overview	17
7.2 Field Investigation Results	18
8.0 Findings and Conclusions.....	19
8.1 Known or Suspect Recognized Environmental Conditions	19
8.2 Historical Recognized Environmental Conditions	19
8.3 De Minimis Conditions.....	19
8.4 Other Environmental Concerns	19
8.5 Results	19
9.0 Opinions.....	20
10.0 Limitations.....	21
11.0 References.....	22

List of Figures (Appendix A)

- Figure 1: Site Location Map
- Figure 2: Site Vicinity Map
- Figure 3: Aerial Photograph of the Toll Plaza

List of Appendices

- Appendix A: Property Maps and Figures
- Appendix B: Site Walk Photographs
- Appendix C: Historical Environmental Records
- Appendix C-1: Radius Map
- Appendix C-2: Historical Aerial Photographs
- Appendix C-3: Historical Topographic Maps
- Appendix D: Regulatory Documentation
- Appendix E: Historical Environmental Records
- Appendix E-1: Asbestos and Lead Survey of Toll Plaza
- Appendix E-2: Asbestos and Lead Survey of Administration Building

List of Abbreviations

AECOM	AECOM Technical Services, Inc.
AST	Registered Aboveground Storage Tanks
Caltrans	California Department of Transportation
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CONSENT	Superfund/CERCLA Consent Decrees
CORRACTS	Corrective Action Reports under RCRA
DTSC	Department of Toxic Substances Control
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FINDS	Facility Index System
GGBHTD	Golden Gate Bridge Highway and Transportation District
HMIRS	Hazardous Materials Information Reporting System for spill incidents reported to the DOT
HUD	Housing and Urban Development
LUST	Leaking Underground Storage Tanks
mg/cm ²	milligram per square centimeter
NPL	National Priority List
NPL	National Priority List
PADS	PCB Activity Database System
RAATS	RCRA Administrative Tracking System
RCRIS	Resource Conservation and Recovery Information System
REC	recognized environmental conditions
ROD	Records of Decision for NPL sites
SHWS	State Hazardous Waste Sites
SI	Site Investigation
SPILLS	Spills List
SWF/LF	Solid Waste Disposal Facilities

TRIS	Toxic Chemical Release Inventory System and
TSCA	Toxic Substances Control Act)
UST	Registered Underground Storage Tanks
VCA	Voluntary Cleanup Agreement

Executive Summary

At the request of the Golden Gate Bridge Highway and Transportation District (GGBHTD), AECOM Technical Services, Inc. (AECOM) has performed Environmental Site Assessment (ESA) and a Limited Site Investigation (SI) of the Toll Plaza of the Golden Gate Bridge (the "Property") in partial conformance with the scope and limitations of ASTM Standard Practices E1527-05 and E1903-97. This document is primarily focused on just the area of the Toll Plaza that is proposed for demolition during construction of the proposed Moveable Median Barrier. Additionally, samples were collected from portions of the Administration Building that would be renovated as part of a proposed retrofit. Because the property owner is not the innocence landowner defense, this report is not titled a "Phase I" ESA. However, many aspects of the Phase I guidance were followed. Any exceptions to, or deletions from, the ASTM Practices are described in Chapter 2.0 of this report. This assessment has revealed evidence of one "recognized environmental conditions" (REC, as that term is defined in ASTM Standard Practice E1527-05) in connection with the Property:

- Golden Gate Bridge, and the areas around and below the bridge, is the subject of Voluntary Cleanup Agreement (VCA) with the Department of Toxic Substances Control (DTSC). The DTSC is currently overseeing investigation and cleanup related to lead-based paint that was historically used on the bridge and periodically sand blasted from the bridge.

Based on historical information provided and a visual inspection of the Property, AECOM has identified no historical RECs at the Toll Plaza. Although not part of the GGBHTD right-of-way, an additional 400 yards of traffic barrier is also proposed at the north end of the Bridge between the Alexander Avenue Off-ramp and a bike path along the eastern side of the road in the California Department of Transportation (Caltrans) right-of-way as part of the proposed Moveable Median Barrier project. It is known that historical highways can have concentrations of aerielly deposited lead in soil from leaded gasoline. This aerielly deposited lead may represent a historical REC for this area.

Based on information provided and site reconnaissance, AECOM did not identify any de minimis conditions that generally do not present a material risk to public health or the environment and therefore, would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Based on an evaluation of the REC, lead-based paint samples were collected from Toll Booth #9 and the Administration Building contained on the Property. These physical locations are slated for demolition. In addition due to the age of the structure, samples for asbestos and asbestos containing materials were also collected. Due to the very limited area of construction in the northern area, no soil samples were collected.

Lead-based paint results indicate that lead is present in the paint in isolated locations at a concentration greater than U.S. Department of Housing and Urban Development (HUD) guideline level of 1.0 milligram per square centimeter (mg/cm²) of lead in paints.

A single sample obtained from the Administration Building contained a trace amount of asbestos containing material (defined as greater than 0.1 percent by weight but less 1 percent by weight of asbestos). No asbestos was found in the other samples above the method detection limit in the Toll Booths or the Administration Building.

Based on this assessment, it is recommended that:

- Lead-based paint be mitigated in Toll Booths 8 through 11 and the storage room exterior to the Administration Building before renovation or demolition work is completed. This renovation or demolition work shall be completed in accordance with applicable state and federal regulations imposed by, but not limited to, Cal-OSHA¹ and the U.S. Environmental Protection Agency.
- Any soil excavated in the northern Caltrans right-of-way area be stockpiled and sampled for lead prior to disposal or reuse based on the historical REC of aerially deposited lead associated with roadsides. Soil stockpiles should be managed in accordance with Caltrans variance procedures until sampling results are available.
- Employees working in the Administration Building be notified of "trace" asbestos-containing materials relating to the floor tiles in Room 103, Storage Area.
- Any demolition in Room 103 be conducted in accordance with regulations dealing with "trace" asbestos-containing materials.

The standard professional practices that AECOM conducted to determine if any RECs existed in connection with the Property included, among other things, a visual inspection of the Property, interviews with selected individuals who might have knowledge of its recognized environmental conditions, a review of readily available historical information such as aerial photographs and fire insurance maps that depict it, a drive-by inspection of accessible adjacent parcels, a review of selected environmental records that were made available to AECOM, and a review of a computer search of selected Federal and State environmental databases for indications of the presence of hazardous substances or petroleum products on the Property or on nearby parcels from which those substances might migrate to the Property in other than vapor form.

This report is intended for use only as the complete document. It is based upon the Scope of Services, and is subject to the Limitations and Exceptions and other restrictions, defined herein. It has been prepared for the exclusive use of GGBHTD. No other person or organization is entitled to rely upon any part of it without the prior written consent of AECOM. The GGBHTD may release or authorize the release of all or part(s) of this report to third parties. However, if any third party uses or relies on this report without the express written permission of AECOM, such third party agrees that it shall have no legal recourse against AECOM or its parent or subsidiaries, and shall indemnify and defend them from and against all claims arising out of or in conjunction with such use or reliance.

¹ Cal-OSHA refers to the California Department of Industrial Relations, Division of Occupational Safety and Health

1.0 Introduction

This Environmental Site Assessment (ESA) and Limited Site Investigation (SI) report for the Toll Plaza of the Golden Gate Bridge (the "Property") was prepared by AECOM Technical Services, Inc. (AECOM) for GGBHTD, who is the "User" of this report, as that term is defined in ASTM Standard Practice E1527-05 for a Phase I ESA. In this report, the term User includes any legal counsel or other representative of the User. This document is primarily focused on the Toll Plaza and a portion of the Administration Building that will be retrofitted, and the north end of the bridge near the Alexander Avenue Off-ramp and a bike path along the eastern side of the road in the California Department of Transportation (Caltrans) right-of-way as part of the proposed Moveable Median Barrier project.

The format of this report generally follows the recommendations in ASTM Standard Practices E1527-05. The following three definitions from ASTM Standard Practice E1527-05 are important for understanding this report. Terms in italics are defined in that Standard Practice.

- 1.1.1 *de minimis conditions* - generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.
- 3.3.31 *recognized environmental conditions (REC)* - the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structure on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions.
- 3.3.16 *historical recognized environmental condition* - environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.

1.1 Purpose

The primary purpose of this ESA/SI was to provide the intended recipients with information about the general environmental character of the Property.

1.2 Detailed Scope of Services

The standard professional practices that AECOM conducted to determine if any RECs existed in connection with the Property included, among other things, a visual inspection of the Property, interviews with selected individuals who might have knowledge of its recognized environmental conditions, a review of readily available historical information such as aerial photographs and fire insurance maps that depict it, a drive-by inspection of accessible adjacent parcels, a review of selected environmental records that were made available to AECOM, and a review of a computer search of selected Federal and State environmental databases for indications of the presence of hazardous substances or petroleum products on the Property or on nearby parcels from which those substances might migrate to the Property in other than vapor form.

In general, the Scope of Services has been completed in accordance with the scope and limitations of ASTM Standard Practices E1527-05 and E1903-97. As this was not a property transfer and is limited to only the area of the property that is expected to be demolished as part of the proposed construction, some items such as the innocent land owner questionnaire have been omitted from this ESA.

1.3 Significant Assumptions

In preparing this report, AECOM has relied upon certain verbal information and representations provided by employees at the Property, documents provided by the Property owner and/or operator, and a computer search of government databases by a firm whose business is to provide that service. Except as discussed, AECOM has relied upon that information and did not attempt to independently verify its accuracy or completeness, but did not detect any inconsistency or omission of a nature that might call into question the validity of any of it. To the extent that the conclusions in this report are based in whole or in part on such information, they are contingent on its validity. AECOM assumes no responsibility for any consequence arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to AECOM.

1.4 Limitation and Exceptions

This report is limited to representations of identified recognized environmental conditions on and near the Property as they existed at the time of this abbreviated ESA, and of the conclusions drawn based upon the information obtained and assumptions made during the assessment process. This ESA was restricted to the Scope of Services as defined herein. No representations or warranties are made concerning the nature or quality of the air, soil, water, building materials, or any other substance on the Property (including the potential for any substance to migrate into a structure), other than the visual observations and the representations by others as stated in this report. By definition, an ESA is not intended to be a definitive investigation of existing or potential adverse environmental impacts, and thus it is possible that such an impact exists on the Property but was not identified during the ESA. Conclusions in this report represent professional judgments based upon the information evaluated during the course of the assessment, not scientific certainties.

Within the limitations of the agreed-upon Scope of Services, this abbreviated ESA has been undertaken and performed in a professional manner, in accordance with generally accepted practices, using the degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances. No other warranty, express or implied, is made.

1.5 Special Terms and Conditions

There were no special terms and conditions between the User and AECOM.

1.6 User Reliance

This report is intended for use only as the complete document. This report has been prepared for the express use of GGBHTD. No other person or organization is entitled to rely upon any part of this report without the prior written consent of AECOM. GGBHTD may release all or part(s) of this report to third parties, however, such third party in using this report agrees that it shall have no legal recourse against AECOM or its parent or subsidiaries, and shall indemnify and defend AECOM or its parent or subsidiaries from and against all claims arising out of or in conjunction with such use or reliance.

This report does not constitute legal advice. In addition, AECOM makes no determination or recommendations regarding the decision to purchase, sell, or provide financing for this Property.

2.0 Property Description

2.1 Location and Legal Description

The Property is located at the Golden Gate Bridge Toll Plaza along Highways 1/101, San Francisco, California. Its general location is depicted on a general Site Location Map (Figure 1) in Appendix A, and on the maps in the database search report in Appendix C-1. Appendix A also contains a Site Plan, showing the proposed construction area for the proposed Moveable Median Barrier (Figure 2), and an aerial photograph of the Toll Plaza (Figure 3).

2.2 Property and Vicinity General Characteristics

The Property is a one-story structure that lies across Highways 1/101. The Toll Plaza is flat as it is part of the road surface. Additional information about the Property and its environs is in Appendices B and C.

2.3 Current Use of the Property

The Property is currently used as venue for collecting tolls for crossing the Golden Gate Bridge. Bridge construction began in 1933 and opened to traffic in 1937. Initially constructed for toll collection in both directions, one-way toll collection began in 1968. Toll collection became fully automated via FasTrak® in 2013, so money is no longer collected and stored on site.

2.4 Detailed Property Description

The Golden Gate Bridge Toll Plaza consists of 11 steel-framed toll collection booths, with concrete floors, and metal walls and roofs. The Toll Booth interiors consist of unpainted concrete floors, painted metal walls, and laid-in acoustical ceiling tiles. The Toll Plaza upper roof is a concrete deck with rolled roofing on the roof field. Site photographs from the April 26, 2013 site inspection are included within Appendix B.

The Administration Building is three stories tall (two above ground and one below) and is of a contemporary age within the Toll Plaza. Partial demolition activities will be completed in the following areas: Stairwell 101, the women's restroom located on the first floor, Storage Room 103 on the first floor and portions of the Teller Room on the basement level. Building elements to be demolished and renovated include drop ceilings, several types of tile, painted stucco, carpeting over concrete floors, and plaster and lath walls.

2.4.1 Utilities

According to the user, all utilities are provided by the Presidio of San Francisco.

2.5 Current Uses of Adjacent and Surrounding Parcels

The Property is located along Highways 1/101. It is bounded by the Presidio of San Francisco which is currently part of the National Parks System but has been a U.S. military facility since 1846. No adjacent parcel was judged to have the potential for a significant adverse impact on the environmental condition of the Property.

3.0 User Provided Information

3.1 Title Records

The User did not provide any title records, or comparable legal records of current and/or historical ownership.

3.2 Environmental Liens or Activity Use Limitations

No representative of the User reported any environmental lien, activity use limitation, or comparable encumbrance upon the Property.

3.3 Specialized Knowledge

The User did not provide AECOM with any document describing any previous assessment, soil or ground water quality evaluation, or other investigation pertaining to the environmental condition of the Property.

3.4 Owner, Property Manager, and Occupant Information

Property is currently owned and operated by the Golden Gate Bridge, Highway and Transportation District.

3.5 Reason for Performing the ESA and Limited SI

According to the User, the ESA and Limited SI that resulted in this report were performed to determine RECs in connection with the Property in support of a construction project for a Moveable Median Barrier which includes the partial demolition of the Toll Plaza.

3.6 Other User Information

The User did not provide any other information that was material to this ESA and Limited SI.

4.0 Records Review

4.1 Standard Environmental Record Sources

4.1.1 Environmental Databases

Government databases that identify sites of environmental concern were reviewed via a computerized search conducted by EDR®, a commercial database service, to determine if the Property was listed or if any listed site was nearby. EDR® has represented that its procedures conform to, or exceed, the requirements of ASTM Standard Practice E1527-05. Most of the information in this Section has been extracted from the report in Appendix C-1 that describes the results of that search. That report includes information about sites close to the Property, and also about Orphan sites that are in the vicinity but are not precisely locatable from the address information in the databases. Appendix C-1 provides a map showing the EDR reporting area, which was approximately 1 mile from an irregular boundary surrounding the Toll Plaza. The information in the search report has been evaluated in conjunction with the results of the Property inspection and the evaluation of its setting. Except as specifically discussed, listed sites that were estimated not to be actually or potentially upgradient from the Property were judged not to represent an environmental concern with respect to the Property.

Federal databases searched included, but were not limited to: NPL (National Priority List), Proposed NPL, Delisted NPL, NPL Liens, CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System), CERC-NFRAP (CERCLIS No Further Remedial Action Planned), CORRACTS (Corrective Action Reports under RCRA), RCRIS (Resource Conservation and Recovery Information System), ERNS (Emergency Response Notification System), CONSENT (Superfund/CERCLA Consent Decrees), ROD (Records of Decision for NPL sites), FINDS (Facility Index System), HMIRS (Hazardous Materials Information Reporting System for spill incidents reported to the DOT), PADS (PCB Activity Database System), RAATS (RCRA Administrative Tracking System), TRIS (Toxic Chemical Release Inventory System), and TSCA (Toxic Substances Control Act).

State databases searched included, but were not limited to: LUST (Leaking Underground Storage Tanks), UST (Registered Underground Storage Tanks), SHWS (State Hazardous Waste Sites), SWF/LF (Solid Waste Disposal Facilities), SPILLS (Spills List), and AST (Registered Aboveground Storage Tanks).

Approximate minimum search distances for the researched databases were set in accordance with ASTM E1527-05 guidance, with the following exceptions: RCRA Small and Large Quantity Generators were researched to ¼ mile (exceeding the minimum search distance of "Target Property Only").

No database summarizing state control/engineering control registries is currently available in California.

In this Section, "Orphan" means a site not precisely locatable by EDR® from the information in the database.

Associated files from the EDR® report are provided in Appendix C including the radius map (C-1), historical aerial photos (C-2), and historical topographic maps (C-3).

NPL, Proposed NPL, and CERCLIS Sites

The Property is not identified as being an NPL, Proposed NPL, Delisted NPL, CONSENT, or CERCLIS site. No site on the NPL or CONSENT list is identified as being located within one mile of the Property, or an Orphan site, and no Delisted NPL site is identified as being located within one mile of the Property or an Orphan site.

No sites on the CERCLIS list are identified as being located within one-half mile of the Property.

CERC-NFRAP Sites

The database search report does not indicate that the Property, any Orphan Site, or any site located within one-fourth mile listed as CERC-NFRAP site.

RCRA Corrective Action Sites

The Property is not identified as being a CORRACTS site. No CORRACTS sites were found within 1 mile of the site nor were any included on the Orphan list.

RCRIS Hazardous Waste Generator Sites

The Property was not identified as having filed a RCRA notification as a hazardous waste Generator.

No site located within one-fourth mile or an Orphan site is identified as having filed a RCRA notification as a Large Quantity Generator (LQG) or Small Quantity Generator (SQG) of hazardous waste. One RCRA-LOG site was included on the Orphans list. This Orphan site appears to be associated with Golden Gate Toll Plaza facilities but is not within the area of construction. Based upon the status of these sites, they are not expected to have impacted the Property.

RCRIS Hazardous Waste TSD Facility Sites

No site located within one mile of the Property or an Orphan site is identified as being a RCRA Treatment, Storage, or Disposal (TSD) Facility.

Leaking UST Sites

No leaking underground storage tank (LUST) sites were identified either at the subject property or on adjacent properties.

Registered UST Sites

The project area portion of the Property is not included on the UST lists. The Historical UST database indicates several UST associated with the Golden Gate Bridge Maintenance area which is not part of the project area. These include a 1,500-gallon diesel UST (no construction date), a 10,000-gallon diesel UST (1972), a 5,000-gallon diesel UST (no construction date), a 5,000-gallon unleaded UST (1979), a 5,000-gallon regular gasoline UST (no construction date), a 550-gallon diesel UST (1964), and a 1,100-gallon diesel UST (no construction date). It is unknown if any of these tanks are still in service.

One Orphan site was identified as current or former UST facilities. This site was determined, based on address information, to be located greater than a mile from the Property. Therefore, this site is not considered a risk to the subject property.

Other Lists of Sites of Concern

The Property is also included on the following environmental databases:

State and tribal Equivalent CERCLIS: This database reflects the inclusion of the Property on the Cortese database (see below).

Cortese: This property was listed in Cortese list based on a voluntary cleanup agreement (VCA) between the bridge district and the Department of Toxic Substances Control (DTSC) for lead-based paint which was used historically on the bridge. The Presidio of San Francisco Baker Beach Disturbed Area and the Presidio of San Francisco were also both listed in this database. As these sites are more than 1/8 mile away from the site and located at lower elevations, these sites are not considered a site risk.

No additional concern was identified by a review of the database search report. The Property is not on any of the other lists searched. No other located site is identified as being near the Property and in a location that is, or might be, upgradient from it, and represent a realistic potential concern with respect to its environmental condition. Also, no other Orphan site was determined to actually be located within an applicable search radius of the Property and potentially upgradient of it.

4.2 Additional Environmental Record Source

In light of the objective of the records review (to obtain and review records that would help identify RECs in connection with the Property), the DTSC Envirostor database was accessed for a review of files relating to the Golden Gate Bridge. A Voluntary Cleanup Agreement was entered into between the Bridge District and the DTCS. A copy of the VCA is provided in Appendix D.

4.3 Physical Setting Sources

The database search report in Appendix C-1 contains an excerpt from a topographic map that depicts the Property and its vicinity. This report also contains information about geological conditions in the vicinity of the Property. Based upon the information in it, surficial soils can be characterized as either urban land characterized by very slow infiltration rates or Orthents of variable texture, characterized by very slow infiltration rates. The report does not list what underlies these soils.

4.4 Historical Use Information

4.4.1 Aerial Photographs

Aerial photographs were reviewed from the years: 1946, 1956, 1965, 1977, 1982, 1993, 1998, and 2005. First use of the subject property is not identified in these aerial photos. Also aerial photographs depict the Toll Plaza to be in a similar configuration as the present day.

4.4.2 Historical Fire Insurance Maps

A search of the Sanborn Fire Insurance Map Library was conducted via contract with EDR. No Sanborn Map coverage was available for the Property.

4.4.3 Historical Topographic Maps

Historical USGS topographic maps were reviewed from the years: 1895, 1915, 1947, 1948, 1950, 1956, 1968, 1973, and 1993. First use of the subject property is not identified in these topographical maps. The 1895 and 1915 topographical maps show development associated with Fort Point in the vicinity of the property. Map from 1947, 1948, 1950, 1956, 1968, 1973, and 1993 show the Golden Gate Bridge and associated Toll Plaza. First use of the subject property is not identified in these topographical maps.

4.4.4 Historical City Directories

A search of city directories was not conducted for the subject property.

4.4.5 Additional Historical Sources

No additional historical sources were obtained.

4.5 Historical Use Information on Adjacent Parcels

As noted previous, adjacent parcels are part of the Presidio of San Francisco. This area was used a US military facility from 1846 until it was transfers to the National Parks Service in 1994. Fort Point was constructed in 1853. Prior to this time, the Presidio was occupied by the Spanish settlers and soldiers then by Mexican soldiers until the takeover by US forces in 1846.

5.0 Property Reconnaissance

5.1 Methodology and Limiting Conditions

Ms. Carmen Goodell (AECOM) conducted a visual reconnaissance of the Property on April 26, 2013. The exterior portion of reconnaissance involved walking the roof of the Toll Plaza as well as entering several active toll booths. The interior of the Toll Booths were observed sufficiently to identify actual or potential recognized environmental conditions. Pertinent environmentally related observations and findings are described in the following Sections.

5.2 General Property Setting

The Property is located in the Golden Gate National Recreational Area, San Francisco, San Francisco County, CA and found in the United States Geological Survey 7.5' Topographic Quadrangle for San Francisco North. The local topography can be characterized as gently sloping, with higher elevations to the south-southeast. The toll plaza itself is flat. The Property is located across Highways 1/101.

5.3 Site Observations

The Toll Plaza consists of 11 steel-framed toll collection booths, with concrete floors, and metal walls and roofs. The Toll Booth interiors have unpainted concrete floors, painted metal walls, and laid-in acoustical ceiling tiles. The Toll Plaza upper roof is a concrete deck with rolled roofing on the roof field.

Storm water runoff features were not identified. Standing (pooled) water was not observed on the Property.

One dry-type transformer was observed on the roof of the Toll Plaza in the portion proposed for demolition. The unit was observed to be in good condition.

A visual inspection of the exterior areas did not reveal many stains (other than normal minor parking lot stains), unusual odor, stressed vegetation (other than related to the climate), or other physical evidence of an adverse environmental impact.

General housekeeping in booths and the Property was fair. No unlabeled container that may have contained a hazardous liquid was observed. No oil-filled transformer or capacitors were observed in the project area.

Hazardous wastes and other regulated wastes are not associated with the proposed demolition area. Therefore details of the waste disposal and storage were not evaluated.

Information gathered during the Property inspection indicated that any aboveground storage tanks (ASTs) are not associated with the proposed demolition area. Therefore details of the ASTs were not evaluated.

6.0 Interviews

6.1 Interviews with Occupants

6.1.1 Engineer

On April 26, 2013, Mr. Chuck Voong, Supervising Civil Engineer for Golden Gate Bridge Highway and Transportation District, was interviewed for information on current and past environmental conditions at the Property, and to discuss the waste handling practices. Mr. Voong has been employed at the Property for approximately 15 years and is unaware of previous activities related to potential environmental concerns on the Property.

Mr. Voong indicated that the Property was completed in 1937 and has had the roofing replaced within the past ten years. According to Mr. Voong, prior to construction of the bridge, the area was part of the Presidio of San Francisco. He was not aware of any historical spills associated with the Toll Plaza Toll Booths.

According to Mr. Voong, above ground storage tanks are part of the Toll Plaza facility but were not in the construction area. He was unaware of any hazardous waste accumulation that may occur at the Toll Plaza facility. Mr. Voong believes that all utilities are connected or supplied to Presidio facilities as the area was never serviced by the City of San Francisco. He had no knowledge of the abandonment or removal of any USTs on the Property.

Other significant environmental concerns were not identified by the individual contacted and interviewed. Representatives of the Property did not report any environmental lien or comparable encumbrance upon the Property, or any unresolved notice of violation (or comparable document) pertaining to an environmental matter.

7.0 Limited SI Field Activities

7.1 Field Investigation Overview

On May 3, 2013, AECOM oversaw Limited SI field activities at the Property. The Limited SI field activities consisted of asbestos and lead-based paint sampling of a representative toll booth (Toll Booth # 9) as well as portions of the Toll Plaza roof that is anticipated for demolition. All sampling was performed by SCA Environmental, Inc., a consulting firm specializing in asbestos and lead-based assessment.

On October 4, 2013, AECOM oversaw additionally Limited SI field activities at the Property which expanded the asbestos and lead-based paint survey and sampling to several locations in the exterior and interior of the Administration Building. These areas are planned for demolition and construction during a retrofit of the Toll Plaza. Again, all sampling was performed by SCA Environmental.

7.1.1 Sampling Activities

Toll Plaza Booths

For the May 2013 asbestos survey, 12 samples were collected for asbestos analysis including samples of toll booth floor materials, interior and exterior toll booth walls, and toll booth ceiling/roofing materials. Asbestos sampling was performed in a manner to minimize exposure to airborne asbestos fibers. Samples were typically removed using a knife or hollow drill bit bored through a wet sponge; the sample material was then placed into an airtight plastic vial. The outside of the vial was decontaminated with a wet sponge. Each vial was labeled with a unique sample I.D. and then stored in a plastic bag. Sampled locations were patched with a high-temperature caulking compound, where needed. All asbestos samples were analyzed by Asbestos TEM (ATEM) Laboratories using polarized light microscopy with dispersion staining. ATEM is located in Berkeley, California and is accredited per the National Voluntary Laboratory Accreditation Program and the California Environmental Laboratory Accreditation Program.

In addition, 18 locations in the Toll Plaza were screened for lead-based paint. Fourteen (14) samples were measured for lead-based paint and obtained from the exterior and interior of Toll Booth 9 while four (4) samples were from the roof of the Toll Plaza. Paint samples were analyzed in-situ on both interior and exterior surfaces to identify the presence and extent of lead-containing paints. These samples were analyzed using a portable Niton XL-700 X-Ray Fluorescence (XRF) spectrum analyzer. The portable XRF can measure the lead content of several layers of paint without disturbing the surfaces. The XRF is sensitive to 0.01 milligrams per square centimeter (mg/cm²) of lead, or well below U.S. Department of Housing and Urban Development (HUD) definition for lead-based paint of 1.0 mg/cm².

Administration Building

For the October 2013 asbestos survey, 24 bulk samples were collected for asbestos analysis including samples of floor tiles, interior and exterior building walls in select areas, and ceiling materials in selected rooms of the Administration Building. Asbestos sampling was performed in a manner to minimize exposure to airborne asbestos fibers. Samples were typically removed using a knife or hollow drill bit bored through a wet sponge; the sample material was then placed into an airtight plastic vial. The outside of the vial was decontaminated with a wet sponge. Each vial was labeled with a unique sample I.D. and then stored in a plastic bag. Sampled locations were patched with a high-temperature caulking compound, where needed. All asbestos samples were analyzed by ATEM using polarized light microscopy with dispersion staining.

Additionally, a lead survey was performed in select locations to assess the presence of lead-based paint. This survey involved screening the paint for lead in four locations: Stairwell 101, exterior and interior of Storage Room 103, Teller Room and women's restroom located on the first floor. Screening of the paint was performed in-situ using a portable Niton XL-XRF spectrum analyzer. The portable XRF can measure the lead content of several layers of paint without disturbing the surfaces to a level of 0.01 mg/cm².

7.2 Field Investigation Results

7.2.1 Asbestos-Containing Materials

Toll Plaza Booths

For the Toll Plaza, none of the 12 samples collected tested positive for asbestos-containing material (defined as greater than 1 percent by weight) or for trace asbestos-containing materials (defined as greater than 0.1 percent but less than 1 percent by weight). The laboratory report for the May 2013 investigation is provided in Appendix E-1.

Administration Building

For the Administration Building, none of the 24 samples collected tested positive for asbestos-containing material (defined greater than 1 percent by weight). However, a sample of floor tile from Storage Area (Room 103) was positive for trace asbestos-containing materials (defined as greater than 0.1 percent but less than 1 percent by weight). All other samples were non-detect for trace asbestos-containing materials.

The laboratory report for the October 2013 investigation is provided in Appendix E-2.

7.2.2 Lead-Based Paint

Toll Plaza Booths

For the Toll Plaza, five paint samples exceed the HUD definition for lead-based paint (1.0 mg/cm²) with values ranging from 1.10 to 10.10 mg/cm². These in-situ samples exceeded the HUD definition and they included red chipped paints from the structural steel beams sampled from Toll Booth 9, red chipped paint from exterior metal rails at Toll Booth 9, red chipped paint from exterior metal walls at Toll Booth 9, black chipped paint from exterior metal beams at Toll Booth 9, and beige peeling paint on concrete upper Toll Plaza roof.

Nine samples had lead concentrations ranging from 0.01 to 0.15 mg/cm². These values are below the HUD definition for lead-based paint but may trigger Cal-OSHA requirements for workers during demolition. The remaining samples had no detectable lead. The analytical results are for the May 2013 investigation provided in Appendix E-1.

Administration Building

For the Administration Building, one paint sample contained 3.70 mg/cm² and it meets the HUD definition for lead-based paint. This sample was a beige paint on stucco of the exterior of Administration Building (opposite Storage Room 103). Additionally, eight samples had lead concentrations ranging from 0.01 to 0.70 mg/cm². These values are below the HUD definition for lead based paint but may trigger OSHA requirements for workers during demolition. The analytical results for the October 2013 investigation are provided in Appendix E-2.

8.0 Findings and Conclusions

The following findings are based upon the information obtained during this ESA, and discussed in the previous sections of this report:

8.1 Known or Suspect Recognized Environmental Conditions

The Bridge District and the DTSC have a VCA associated with lead-painted paint that was historically used at and sandblasted from the bridge.

8.2 Historical Recognized Environmental Conditions

Aerially-deposited lead in soil along the historical highway may be an issue in areas where soil has been exposed and not excavated.

8.3 De Minimis Conditions

None.

8.4 Other Environmental Concerns

Some tiles in Storage Area Room 103 of the Administration Building contain “trace” asbestos containing materials (defined as greater than 0.1 percent by weight but less than 1 percent by weight).

Based on an evaluation of the RECs and the age of the structure, samples were collected for:

- Lead-based paint analysis
- Asbestos analysis.

Due to the time frame until construction occurs and the very limited area of soil disturbance in the northern area, no soil samples were collected.

8.5 Results

No asbestos containing materials or trace asbestos containing materials were detected in the Toll Plaza Booths. However, one sample of floor tile from the Administration Building Room 103 tested positive for “trace” asbestos containing material (defined as greater than 0.1 percent by weight but less than 1 percent by weight).

Lead-based paint as defined by HUD was detected in several paint samples from the representative Toll Booth 9 as well as on the exterior of the Administration Building opposite of Storage Area Room 103. It is recommended that lead-based paint abatement be conducted prior to demolition of Toll Booths 8 through 11 as well as during the retrofit of the remaining toll booths and pertinent sections of the Administration Building.

9.0 Opinions

Based upon all of the information obtained, the environmental professional who conducted this ESA and Limited SI, believes that additional action is required during demolition of the structure and the retrofit of the Administration Building and remaining Toll Plaza. Lead-based paint mitigation should be conducted for all peeling paint prior to demolition and retrofit of the Toll Plaza. Additionally, asbestos abatement and notification should be conducted for the Administration Building storage room.

All construction personnel should be informed of lead-based paint and trace asbestos containing materials and take appropriate precautions. All applicable state and federal regulations should be followed.

Finally, due to the VCA order associated with lead-based paint on the bridge, the Bridge District should consider discussing this demolition project and associated abatement activities with the DTSC prior to conduction this work.

Additionally, any work conducted in the soils north of the bridge along Alexander Avenue exit should consider the possibility of aerially-deposited lead in soil. All soil stockpiles should be appropriately managed per Caltrans guidelines and sampled prior to disposal or reuse.

10.0 Limitations

Within the limitations of the agreed-upon Scope of Work, this assessment has been undertaken and performed in a professional manner in accordance with generally accepted practices, using the degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances. Due to physical limitations inherent to this or any environmental assessment, AECOM expressly does not warrant that the Property is free of pollutants or that all pollutants have been identified. No other warranties express or implied, are made.

In preparing this Report, AECOM has relied upon certain information and representations provided by government and Property employees, documents provided by the Property owner and/or operator, and upon government database searches provided by others. Except as discussed, AECOM did not attempt to independently verify the accuracy or completeness of that information, but AECOM did not detect any inconsistency or omission of a nature that might call into question the validity of any of the information. To the extent that the conclusions in this Report are based in whole or in part on such information, those conclusions are contingent on its accuracy and validity. AECOM assumes no responsibility for any consequence arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to AECOM.

This Report has been prepared for the express use of GGBHTD. No other person or organization is entitled to rely upon any part of this Report without the prior written consent of AECOM. GGBHTD may release all or part(s) of this Report to third parties. However, such third party in using this Report agrees that it shall have no legal recourse against AECOM or its parent or subsidiaries, and shall indemnify and defend AECOM or its parent or subsidiaries from and against all claims arising out of or in conjunction with such use or reliance.

This Report does not constitute legal advice. In addition, AECOM makes no determination or recommendations regarding the decision to purchase, sell, or provide financing for this Property.

11.0 References

"ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E 1527-05", ASTM, Philadelphia, Pennsylvania.

EDR® Standard Package Report, Environmental Data Resources, Milford, Connecticut.

Attachments

Appendix A: Property Maps and Figures

Figure A - 1
Project Location Map

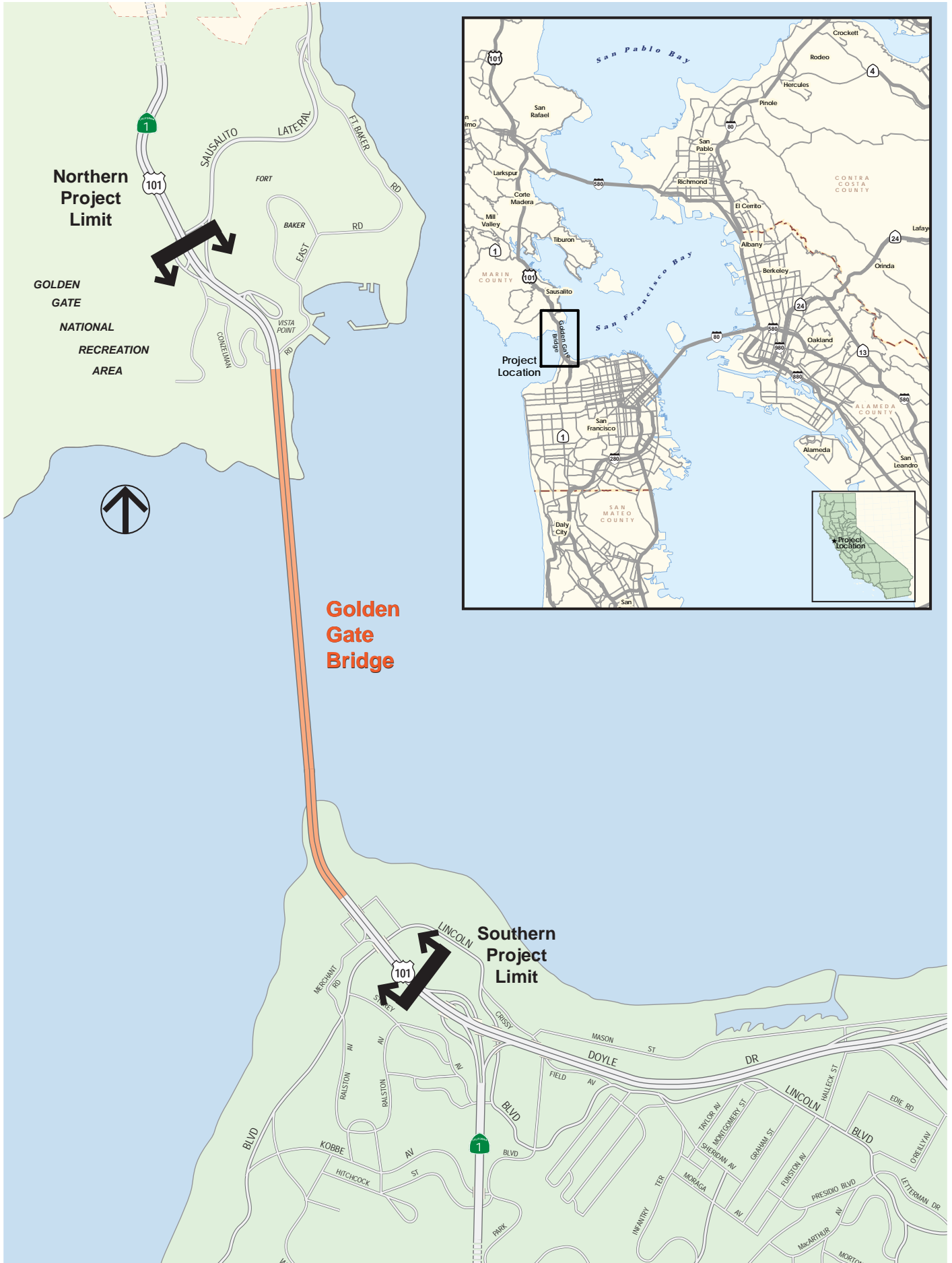


Figure A - 2
Vicinity Map





North

Golden Gate Bridge Toll Plaza

Date 06-2013	Abbreviated Phase I ESA Limited Phase II SI Moveable Median Barrier San Francisco, CA	Figure
Project No. 60301602		A-3

Source: Google Earth Pro, 2013

Appendix B: Site Walk Photographs

PHOTOGRAPHIC LOG

<p>Client Name: Golden Gate Bridge Highway and Transportation District</p>	<p>Site Location: Golden Gate Bridge Toll Plaza San Francisco, California</p>	<p>Project No. 60284628.005</p>
---	--	--

<p>Photo No. 1</p>	<p>Date: 04/26/13</p>
--------------------------------------	----------------------------------

Direction Photo Taken:

East

Description:

Representative view of the toll plaza.



<p>Photo No. 2</p>	<p>Date: 04/26/13</p>
--------------------------------------	----------------------------------

Direction Photo Taken:

Southeast

Description:

View of the toll booth area proposed for demolition.



PHOTOGRAPHIC LOG

Client Name: Golden Gate Bridge Highway and Transportation District

Site Location: Golden Gate Bridge Toll Plaza San Francisco, California

Project No.
60284628.005

Photo No.
3

Date:
04/26/13

Direction Photo Taken:

South-southeast

Description:

View of a representative toll booth in direction of traffic flow.



Photo No.
4

Date:
04/26/13

Direction Photo Taken:

North

Description:

View of the internal toll booth structures. North side of toll booth on left and ceiling of toll booth on right.



PHOTOGRAPHIC LOG

<p>Client Name: Golden Gate Bridge Highway and Transportation District</p>	<p>Site Location: Golden Gate Bridge Toll Plaza San Francisco, California</p>	<p>Project No. 60284628.005</p>
---	--	--

<p>Photo No. 5</p>	<p>Date: 04/26/13</p>
--------------------------------------	----------------------------------

Direction Photo Taken:

South

Description:

Representative view of the northern approach to the Toll Plaza.



<p>Photo No. 6</p>	<p>Date: 04/26/13</p>
--------------------------------------	----------------------------------

Direction Photo Taken:

Northeast

Description:

Representative view of the ceiling of the Toll Plaza with peeling paint.



PHOTOGRAPHIC LOG**Client Name: Golden Gate Bridge Highway and Transportation District****Site Location: Golden Gate Bridge Toll Plaza San Francisco, California****Project No. 60284628.005****Photo No. 7****Date: 04/26/13****Direction Photo Taken:**

West

Description:

View of exterior of representative toll booth.

**Photo No. 8****Date: 04/26/13****Direction Photo Taken:**

North

Description:

View of interior of representative toll booth with peeling paint.



PHOTOGRAPHIC LOG

<p>Client Name: Golden Gate Bridge Highway and Transportation District</p>	<p>Site Location: Golden Gate Bridge Toll Plaza San Francisco, California</p>	<p>Project No. 60284628.005</p>
---	--	--

<p>Photo No. 9</p>	<p>Date: 04/26/13</p>
--------------------------------------	----------------------------------

Direction Photo Taken:

South-south East

Description:

Representative view of Toll Booth Plaza.



<p>Photo No. 10</p>	<p>Date: 04/26/13</p>
---------------------------------------	----------------------------------

Direction Photo Taken:

East

Description:

View of Toll Plaza Roof.



PHOTOGRAPHIC LOG

<p>Client Name: Golden Gate Bridge Highway and Transportation District</p>	<p>Site Location: Golden Gate Bridge Toll Plaza San Francisco, California</p>	<p>Project No. 60284628.005</p>
---	--	--

<p>Photo No. 11</p>	<p>Date: 04/26/13</p>
---------------------------------------	----------------------------------

Direction Photo Taken:

South

Description:

View of dry-type transformer in proposed demolition area.



<p>Photo No. 12</p>	<p>Date: 04/26/13</p>
---------------------------------------	----------------------------------

Direction Photo Taken:

East

Description:

View of piping and roofing materials on Toll Plaza Roof.



PHOTOGRAPHIC LOG

Client Name: Golden Gate Bridge Highway and Transportation District	Site Location: Golden Gate Bridge Toll Plaza San Francisco, California	Project No. 60284628.005
--	---	------------------------------------

Photo No. 13	Date: 05/03/13
Direction Photo Taken: East	
Description: View of roofing materials on Toll Plaza roof in area proposed for demolition.	



Photo No. 14	Date: 05/03/13
Direction Photo Taken: North	
Description: Representative view from Toll Plaza roof.	



PHOTOGRAPHIC LOG

Client Name: Golden Gate Bridge Highway and Transportation District	Site Location: Golden Gate Bridge Toll Plaza San Francisco, California	Project No. 60284628.005
--	---	---------------------------------

Photo No. 15	Date: 05/03/13
---------------------	-----------------------

Direction Photo Taken:
North

Description:
Representative view of median area in proposed construction zone.

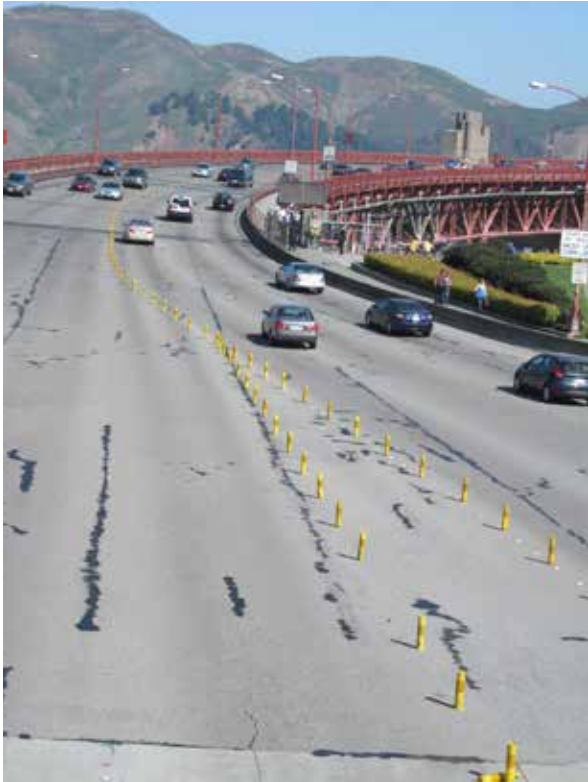


Photo No. 16	Date: 05/03/13
---------------------	-----------------------

Direction Photo Taken:
West

Description:
Representative view of looking west from Toll Plaza.



PHOTOGRAPHIC LOG

Client Name: Golden Gate Bridge Highway and Transportation District	Site Location: Golden Gate Bridge Toll Plaza San Francisco, California	Project No. 60284628.005
--	---	------------------------------------

Photo No. 17	Date: 05/03/13
-------------------------------	--------------------------

Direction Photo Taken:

North

Description:

Representative view of bridge from Toll Plaza.



Photo No. 18	Date: 04/26/13
-------------------------------	--------------------------

Direction Photo Taken:

North-northeast

Description:

Representative view of section north of bridge for proposed traffic barrier between off ramp (foreground) and bike lane (mid-ground).



Appendix C: Historical Environmental Records

Appendix C1: Radius Map

Golden Gate Bridge Movable Barrier

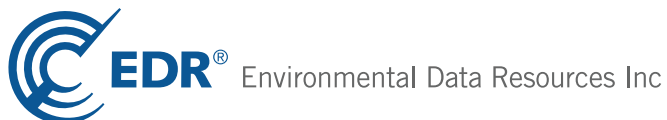
Golden Gate Bridge

San Francisco, CA 94129

Inquiry Number: 03310759.2r

April 30, 2012

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	90
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	A-13

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 certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from 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 ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2012 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 its logos (including Sanborn and Sanborn Map) 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 was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

GOLDEN GATE BRIDGE
SAN FRANCISCO, CA 94129

COORDINATES

Latitude (North): 37.8069000 - 37° 48' 24.84"
Longitude (West): 122.4758000 - 122° 28' 32.88"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 546145.1
UTM Y (Meters): 4184314.8
Elevation: 192 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37122-G4 SAN FRANCISCO NORTH, CA
Most Recent Revision: 1999

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010
Source: USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST..... Geotracker's Leaking Underground Fuel Tank Report
SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database
SWEEPS UST..... SWEEPS UST Listing

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN.....	Bond Expenditure Plan
NPDES.....	NPDES Permits Listing
WDS.....	Waste Discharge System
HIST CORTESE.....	Hazardous Waste & Substance Site List
Notify 65.....	Proposition 65 Records
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
ENF.....	Enforcement Action Listing
HAZNET.....	Facility and Manifest Data
EML.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Steam-Electric Plan Operation Data
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
PROC.....	Certified Processors Database
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
MWMP.....	Medical Waste Management Program Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations.....	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 03/14/2012 has revealed that there are 2 RESPONSE sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PRESIDIO OF SAN FRANCISCO/BAKE</i>	<i>MERCHANT ROAD AND LINCOLN</i>	<i>0 - 1/8 (0.062 mi.)</i>	<i>1</i>	<i>8</i>
<i>PRESIDIO OF SAN FRANCISCO</i>	<i>1,400 AC; N-MOST TIP OF</i>	<i>SE 1/2 - 1 (0.634 mi.)</i>	<i>4</i>	<i>20</i>

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 03/14/2012 has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PRESIDIO OF SAN FRANCISCO/BAKE</i> Status: Active	<i>MERCHANT ROAD AND LINCOLN</i>	<i>0 - 1/8 (0.062 mi.)</i>	<i>1</i>	<i>8</i>
<i>PRESIDIO OF SAN FRANCISCO</i> Status: Active	<i>1,400 AC; N-MOST TIP OF</i>	<i>SE 1/2 - 1 (0.634 mi.)</i>	<i>4</i>	<i>20</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GOLDEN GATE BRIDGE</i> Status: Active	<i>TOLL PLAZA, HIGHWAY 101</i>	<i>N 1/2 - 1 (0.519 mi.)</i>	<i>3</i>	<i>13</i>

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous

EXECUTIVE SUMMARY

substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PRESIDIO OF SAN FRANCISCO</i>	<i>1,400 AC; N-MOST TIP OF</i>	<i>SE 1/2 - 1 (0.634 mi.)</i>	<i>4</i>	<i>20</i>

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GOLDEN GATE BRIDGE</i>	<i>TOLL PLAZA - BRIDGE MAI</i>	<i>NNW 1/8 - 1/4 (0.219 mi.)</i>	<i>2</i>	<i>10</i>

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2009 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FRANCISCO NIKE BATTERY 89</i>		<i>S 1/2 - 1 (0.865 mi.)</i>	<i>5</i>	<i>88</i>

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 01/03/2012 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

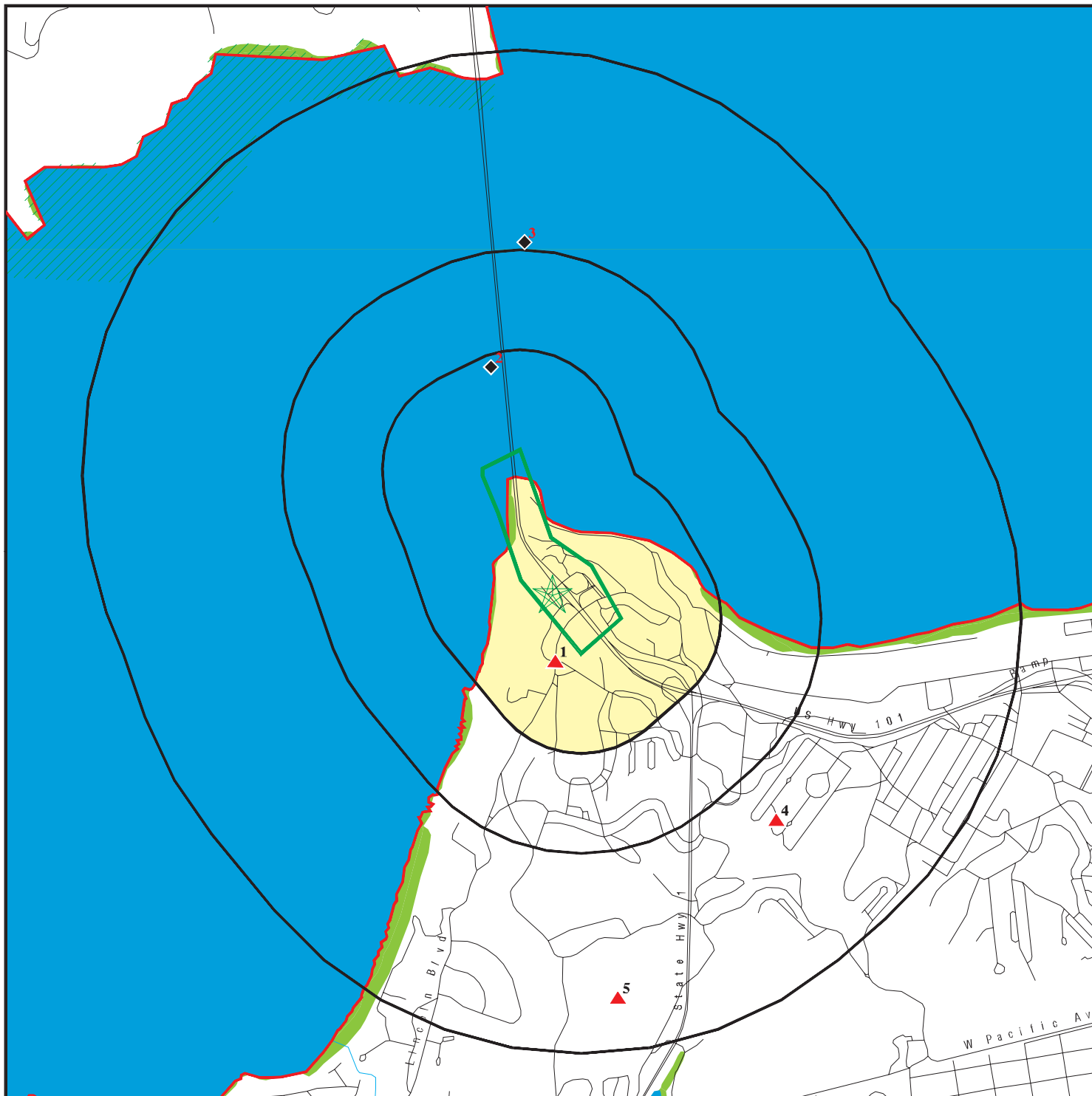
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PRESIDIO OF SAN FRANCISCO/BAKE</i>	<i>MERCHANT ROAD AND LINCOS 0 - 1/8 (0.062 mi.)</i>		<i>1</i>	<i>8</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
GOLDEN GATE BRIDGE	HIST CORTESE
PRESIDIO OF SAN FRANCISCO/MOUNTAIN	ENVIROSTOR
	RCRA-SQG,CHMIRS,HAZNET,FINDS,EMI
COAST GUARD	UST ALAMEDA
CALTRANS 3RD ST BRIDGE SAN FRA	HAZNET
GOLDEN GATE BRIDGE	HAZNET
GOLDEN GATE BRIDGE	RCRA-LQG,WDS
4TH STREET BRIDGE	ERNS
4TH STREET BRIDGE	ERNS
SOUTH BAY, SOUTH OF THE BAY BRIDGE	ERNS
BENICIA MARTINEZ BRIDGE	ERNS
GATE 31	ERNS
GATE 21	ERNS
NEAR GOLDEN GATE BRIDGE	ERNS
SOUTH OF THE SAN MATEO BRIDGE	ERNS
SOUTH OF THE SAN MATEO BRIDGE	ERNS
PIER 2 - GOLDEN GATE TERMINAL FERR	ERNS
SAN RAFAEL BRIDGE	ERNS
UNDER THE BAY BRIDGE, AT THE INTER	ERNS
GOLDEN GATE BRIDGE AND TRANSIT DIS	FINDS

OVERVIEW MAP - 03310759.2r



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

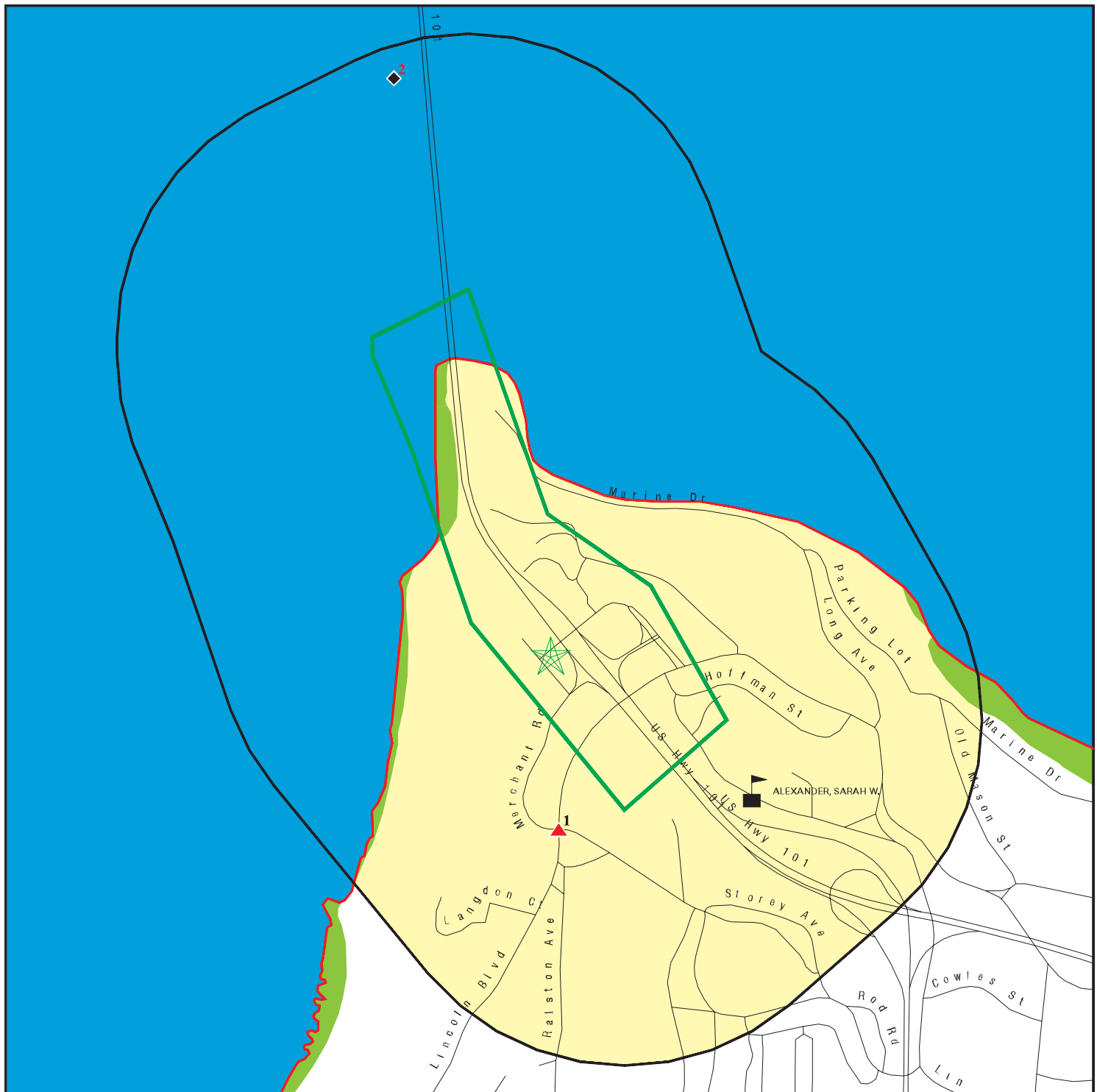














This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Golden Gate Bridge Movable Barrier
 ADDRESS: Golden Gate Bridge
 San Francisco CA 94129
 LAT/LONG: 37.8069 / 122.4758

CLIENT: AECOM
 CONTACT: Carmen Goodell
 INQUIRY #: 03310759.2r
 DATE: April 30, 2012 9:10 am

DETAIL MAP - 03310759.2r



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  County Boundary
-  Oil & Gas pipelines from USGS
-  National Wetland Inventory
-  Areas of Concern

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

SITE NAME: Golden Gate Bridge Movable Barrier
 ADDRESS: Golden Gate Bridge
 San Francisco CA 94129
 LAT/LONG: 37.8069 / 122.4758

CLIENT: AECOM
 CONTACT: Carmen Goodell
 INQUIRY #: 03310759.2r
 DATE: April 30, 2012 9:11 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		1	0	0	1	NR	2
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		1	0	0	2	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	1	NR	NR	NR	1
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	1	NR	1
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		1	0	0	NR	NR	1
HIST CORTESE	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants	1.000		0	0	0	0	NR	0
EDR Historical Auto Stations	0.250		0	0	NR	NR	NR	0
EDR Historical Cleaners	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
South
< 1/8
0.062 mi.
327 ft.

PRESIDIO OF SAN FRANCISCO/BAKER BEACH DISTURBED AREA, AREA 1
MERCHANT ROAD AND LINCOLN BLVD.
SAN FRANCISCO, CA 94129

Cortese **S110445637**
RESPONSE **N/A**
ENVIROSTOR

Relative:
Higher

CORTESE:
Region: CORTESE
Envirostor Id: 60001317
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 01/01/1991
Site Code: 201239
Latitude: 37.804412
Longitude: -122.47564
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: export
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

Actual:
224 ft.

RESPONSE:

Facility ID: 60001317
Site Type: State Response
Site Type Detail: Closed Base
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: Robert Boggs
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Site Code: 201239
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 13
Senate: 03
Special Program Status: Not reported
Status: Active
Status Date: 01/01/1991
Restricted Use: NO
Funding: BRAC 88
Latitude: 37.80441
Longitude: -122.4756
APN: NONE SPECIFIED
Past Use: RESEARCH - WEAPONS
Potential COC: 30019
Confirmed COC: 30019
Potential Description: SOIL
Alias Name: 201239
Alias Type: Project Code (Site Code)
Alias Name: 60001317
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO/BAKER BEACH DISTURBED AREA, AREA 1 (Continued)

S110445637

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2013
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan
Future Due Date: 2012
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 04/30/2012
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Fact Sheets
Schedule Due Date: 04/30/2012
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 06/30/2012
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Investigation Report
Schedule Due Date: 11/30/2011
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: State Response
Site Type Detailed: Closed Base
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Robert Boggs
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Facility ID: 60001317
Site Code: 201239
Assembly: 13
Senate: 03
Special Program: Not reported
Status: Active
Status Date: 01/01/1991
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: BRAC 88

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PRESIDIO OF SAN FRANCISCO/BAKER BEACH DISTURBED AREA, AREA 1 (Continued)

S110445637

Latitude: 37.80441
 Longitude: -122.4756
 APN: NONE SPECIFIED
 Past Use: RESEARCH - WEAPONS
 Potential COC: 30019
 Confirmed COC: 30019
 Potential Description: SOIL
 Alias Name: 201239
 Alias Type: Project Code (Site Code)
 Alias Name: 60001317
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Completion Report
 Future Due Date: 2013
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Design/Implementation Workplan
 Future Due Date: 2012
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Public Notice
 Schedule Due Date: 04/30/2012
 Schedule Revised Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Fact Sheets
 Schedule Due Date: 04/30/2012
 Schedule Revised Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Remedial Action Plan
 Schedule Due Date: 06/30/2012
 Schedule Revised Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Remedial Investigation Report
 Schedule Due Date: 11/30/2011
 Schedule Revised Date: Not reported

2
NNW
1/8-1/4
0.219 mi.
1156 ft.

GOLDEN GATE BRIDGE
TOLL PLAZA - BRIDGE MAINTENANC
SAN FRANCISCO, CA 94129

HIST UST 1000187027
HAZNET N/A

Relative:
Lower
Actual:
0 ft.

HIST UST:
 Region: STATE
 Facility ID: 00000058577
 Facility Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

1000187027

Other Type: BRIDGE MAINTENANCE F
Total Tanks: 0007
Contact Name: TOM ANDRADE
Telephone: 4159215858
Owner Name: GOLDEN GATE BRIDGE, HIGHWAY AN
Owner Address: GOLDEN GATE BRIDGE - TOLL PLAZ
Owner City,St,Zip: SAN FRANCISCO, CA 94129

Tank Num: 001
Container Num: B-DFT-1
Year Installed: Not reported
Tank Capacity: 00001500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: B-DFT-2
Year Installed: 1972
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: B-DFT-3
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: B-GFT-1
Year Installed: 1979
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: B-GFT-2
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: B-BFT-1
Year Installed: 1964
Tank Capacity: 00000550

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

1000187027

Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: BNE-DFT-1
Year Installed: Not reported
Tank Capacity: 00001100
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

HAZNET:

Year: 2007
Gepaid: CAD982023988
Contact: DAVID DENNING
Telephone: 4152574519
Mailing Name: Not reported
Mailing Address: 1011 ANDERSEN DR
Mailing City,St,Zip: SAN RAFAEL, CA 949015363
Gen County: San Francisco
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Not reported
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: Not reported
Facility County: San Francisco

Year: 2007
Gepaid: CAD982023988
Contact: DAVID DENNING
Telephone: 4152574519
Mailing Name: Not reported
Mailing Address: 1011 ANDERSEN DR
Mailing City,St,Zip: SAN RAFAEL, CA 949015363
Gen County: San Francisco
TSD EPA ID: TXD077603371
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons: 0.39
Facility County: San Francisco

Year: 2007
Gepaid: CAD982023988
Contact: DAVID DENNING
Telephone: 4152574519
Mailing Name: Not reported
Mailing Address: 1011 ANDERSEN DR
Mailing City,St,Zip: SAN RAFAEL, CA 949015363
Gen County: San Francisco
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Aqueous solution with total organic residues less than 10 percent

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GOLDEN GATE BRIDGE (Continued)

1000187027

Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 1.6
 Facility County: San Francisco

Year: 2007
 Gepaid: CAD982023988
 Contact: DAVID DENNING
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 1011 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949015363
 Gen County: San Francisco
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Other inorganic solid waste
 Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
 Tons: 32.7
 Facility County: San Francisco

Year: 2007
 Gepaid: CAD982023988
 Contact: DAVID DENNING
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 1011 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949015363
 Gen County: San Francisco
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Other organic solids
 Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
 Tons: 15.17
 Facility County: San Francisco

[Click this hyperlink](#) while viewing on your computer to access 170 additional CA_HAZNET: record(s) in the EDR Site Report.

3
North
1/2-1
0.519 mi.
2742 ft.

GOLDEN GATE BRIDGE
TOLL PLAZA, HIGHWAY 101
SAN FRANCISCO, CA 94129

VCP S101272853
ENVIROSTOR N/A

Relative:
Lower

VCP:

Facility ID: 38990002
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Site Mgmt. Req.: NONE SPECIFIED
 Acres: 10
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay
 Lead Agency: SMBRP
 Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
 Project Manager: Robert Boggs
 Supervisor: Denise Tsuji

Actual:
0 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

S101272853

Division Branch: Cleanup Berkeley
Site Code: 200326
Assembly: 13
Senate: 03
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 04/01/1996
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.81972 / -122.4777
APN: 200-150-07, Block 1300 - Lot 001
Past Use: SAND BLASTING
Potential COC: 30013
Confirmed COC: 30013
Potential Description: SOIL
Alias Name: 200-150-07
Alias Type: APN
Alias Name: Block 1300 - Lot 001
Alias Type: APN
Alias Name: CAD982023988
Alias Type: EPA Identification Number
Alias Name: 110033619902
Alias Type: EPA (FRS #)
Alias Name: 200326
Alias Type: Project Code (Site Code)
Alias Name: 38990002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/01/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 03/12/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/29/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fence & Post Order
Completed Date: 07/15/1992
Comments: Issued a fence and post order to three federal agencies after sampling detected lead as high as 61,000 ppm.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 11/17/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

S101272853

Comments: Demand Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 11/02/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan Amendment
Completed Date: 02/25/1997
Comments: the Plan was modified to allow the contaminated soil to be disposed off-site at an approved landfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/07/2000
Comments: Approved the implementation plan that described the off-site disposal of 18,500 cubic yards of soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/17/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 03/12/1996
Comments: Final RAP required fixation of the lead contaminated soil and using the material as structural backfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/19/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ecological Risk Assessment Report
Completed Date: 06/05/2006
Comments: DTSC approved the Small Mammal Blood Lead Study Work Plan for implementation. Bridge District to obtain Fish and Game permit for collection of small mammals and hopes to conduct the field work at the end of June 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 08/10/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

S101272853

Completed Sub Area Name: Not reported
Completed Document Type: Ecological Risk Assessment Report
Completed Date: 04/25/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Health Risk Assessment Report
Completed Date: 11/08/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ecological Risk Assessment Report
Completed Date: 02/18/2005
Comments: HERD completed its review of final changes to the PERA and found it acceptable. Golden Gate Bridge District will proceed with a blood lead study for small mammals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/02/1999
Comments: Document was sent to DTSC for uploading to EnviroStor on April 14, 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/30/2008
Comments: factsheet distributed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/30/2011
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2013
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

S101272853

Future Due Date: 2012
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2012
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2014
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 05/29/2012
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay
Lead Agency: SMBRP
Program Manager: Robert Boggs
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Facility ID: 38990002
Site Code: 200326
Assembly: 13
Senate: 03
Special Program: Voluntary Cleanup Program
Status: Active
Status Date: 04/01/1996
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.81972
Longitude: -122.4777
APN: 200-150-07, Block 1300 - Lot 001
Past Use: SAND BLASTING
Potential COC: 30013
Confirmed COC: 30013
Potential Description: SOIL
Alias Name: 200-150-07
Alias Type: APN
Alias Name: Block 1300 - Lot 001
Alias Type: APN
Alias Name: CAD982023988
Alias Type: EPA Identification Number
Alias Name: 110033619902
Alias Type: EPA (FRS #)
Alias Name: 200326
Alias Type: Project Code (Site Code)
Alias Name: 38990002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

S101272853

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/01/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 03/12/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/29/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fence & Post Order
Completed Date: 07/15/1992
Comments: Issued a fence and post order to three federal agencies after sampling detected lead as high as 61,000 ppm.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 11/17/2011
Comments: Demand Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 11/02/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan Amendment
Completed Date: 02/25/1997
Comments: the Plan was modified to allow the contaminated soil to be disposed off-site at an approved landfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/07/2000
Comments: Approved the implementation plan that described the off-site disposal of 18,500 cubic yards of soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/17/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE BRIDGE (Continued)

S101272853

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 03/12/1996
Comments: Final RAP required fixation of the lead contaminated soil and using the material as structural backfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/19/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ecological Risk Assessment Report
Completed Date: 06/05/2006
Comments: DTSC approved the Small Mammal Blood Lead Study Work Plan for implementation. Bridge District to obtain Fish and Game permit for collection of small mammals and hopes to conduct the field work at the end of June 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 08/10/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ecological Risk Assessment Report
Completed Date: 04/25/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Health Risk Assessment Report
Completed Date: 11/08/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ecological Risk Assessment Report
Completed Date: 02/18/2005
Comments: HERD completed its review of final changes to the PERA and found it acceptable. Golden Gate Bridge District will proceed with a blood lead study for small mammals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/02/1999
Comments: Document was sent to DTSC for uploading to EnviroStor on April 14, 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GOLDEN GATE BRIDGE (Continued)

S101272853

Completed Date: 09/30/2008
 Comments: factsheet distributed

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Characterization Workplan
 Completed Date: 12/09/2010
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Characterization Report
 Completed Date: 08/30/2011
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Characterization Workplan
 Completed Date: 08/30/2011
 Comments: Not reported

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Completion Report
 Future Due Date: 2013

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Design/Implementation Workplan
 Future Due Date: 2012

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Plan
 Future Due Date: 2012

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2014

Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Site Characterization Report
 Schedule Due Date: 05/29/2012
 Schedule Revised Date: Not reported

4
SE
1/2-1
0.634 mi.
3350 ft.

PRESIDIO OF SAN FRANCISCO
1,400 AC; N-MOST TIP OF THE SF PENINSULA
SAN FRANCISCO, CA 94129

HIST Cal-Sites **S101272860**
Cortese **N/A**
RESPONSE
ENVIROSTOR

Relative:
Higher

Calsite:
 Facility ID: 38970002
 Region: 2
 Region Name: BERKELEY
 Branch: NO
 Branch Name: OMF-NORTHERN CALIF
 File Name: Not reported
 State Senate District: 01011991
 Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE

Actual:
217 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: CLOSE
Type Name: CLOSED MILITARY BASE
NPL: Not Listed
SIC Code: 97
SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: RBOGGS
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF
Region Water Control Board Name: SAN FRANCISCO BAY
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: MEASURED FROM CENTER OF BASE
State Assembly District Code: 13
State Senate District Code: 03
Facility ID: 38970002
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: OU2
Proposed Budget: 0
AWP Completion Date: 06302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: DEH
Proposed Budget: 0
AWP Completion Date: 01242000
Revised Due Date: Not reported
Comments Date: 01242000
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 2977
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: OU2
Proposed Budget: 0
AWP Completion Date: 07302014
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: CFA
Proposed Budget: 0
AWP Completion Date: 11302004
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: OU2PC
Proposed Budget: 0
AWP Completion Date: 01252000
Revised Due Date: Not reported
Comments Date: 01252000
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: OU3FR
Proposed Budget: 0
AWP Completion Date: 12312004
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: OU2A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Proposed Budget: 0
AWP Completion Date: 10312005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: CFA
Proposed Budget: 0
AWP Completion Date: 04161998
Revised Due Date: Not reported
Comments Date: 04161998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: 923
Proposed Budget: 0
AWP Completion Date: 04161998
Revised Due Date: Not reported
Comments Date: 04161998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	950
Proposed Budget:	0
AWP Completion Date:	04161998
Revised Due Date:	Not reported
Comments Date:	04161998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	OU1
Proposed Budget:	0
AWP Completion Date:	01091997
Revised Due Date:	Not reported
Comments Date:	01091997
Est Person-Yrs to complete:	0
Estimated Size:	L
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	37
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: OU2A
Proposed Budget: 0
AWP Completion Date: 03182004
Revised Due Date: Not reported
Comments Date: 03182004
Est Person-Yrs to complete: 0
Estimated Size: M
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: DES
Activity Name: DESIGN
AWP Code: OU2A
Proposed Budget: 0
AWP Completion Date: 12312004
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: OU2
Proposed Budget: 0
AWP Completion Date: 12312004
Revised Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	L
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	OU3FD
Proposed Budget:	0
AWP Completion Date:	05301997
Revised Due Date:	Not reported
Comments Date:	05301997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	OU2PC
Proposed Budget:	0
AWP Completion Date:	02221996
Revised Due Date:	Not reported
Comments Date:	02221996
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: VOLUME TREATED, STABILIZED OR DISPOSED: 10 YDS OF CONCRETE DEBRIS,
4,810 KG OF EMPTY TRANSFORMERS, 2,307 KG OF CONTAMINATED PCB DEVICES,
14,310 KG OF PCB FLUID MINERAL OIL.

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: DES
Activity Name: DESIGN
AWP Code: OU1
Proposed Budget: 0
AWP Completion Date: 12011995
Revised Due Date: Not reported
Comments Date: 12011995
Est Person-Yrs to complete: 0
Estimated Size: L
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: OU3FR
Proposed Budget: 0
AWP Completion Date: 03312005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Unknown Type:	0
Facility ID:	38970002
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	OU2TP
Proposed Budget:	0
AWP Completion Date:	12011995
Revised Due Date:	Not reported
Comments Date:	12011995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	SI
Proposed Budget:	0
AWP Completion Date:	05241995
Revised Due Date:	Not reported
Comments Date:	05241995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU1
Proposed Budget:	0
AWP Completion Date:	12161994
Revised Due Date:	Not reported
Comments Date:	12161994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CERFA
Activity Name: COMMUNITY ENVIRONMENTAL RESPONSE FACILITATION ACT
AWP Code: 919AC
Proposed Budget: 0
AWP Completion Date: 04141994
Revised Due Date: Not reported
Comments Date: 04141994
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: BWEBS
Activity Name: BASEWIDE ENVIRONMENTAL BASELINE SURVEY
AWP Code: PSF
Proposed Budget: 0
AWP Completion Date: 04141994
Revised Due Date: Not reported
Comments Date: 04141994
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	BLDG
Proposed Budget:	0
AWP Completion Date:	11051993
Revised Due Date:	Not reported
Comments Date:	11051993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	OU2
Proposed Budget:	0
AWP Completion Date:	09161993
Revised Due Date:	Not reported
Comments Date:	09161993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	10 TANKS REMOVED ALONG WITH A VAPOR RECOVERY TANK AND A OIL/WATER SEPARATOR.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: UTGS
Proposed Budget: 0
AWP Completion Date: 07011993
Revised Due Date: Not reported
Comments Date: 07011993
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: 4 GASOLINE TANKS REMOVED ALONG WITH 2,000 GALLONS OF WASTE.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: OU1
Proposed Budget: 0
AWP Completion Date: 11021992
Revised Due Date: Not reported
Comments Date: 11021992
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 893
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: SOIL EXCAVATED TO REMOVED USTS. 893 TONS REMOVED.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 06041992
Revised Due Date: Not reported
Comments Date: 06041992
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: PPP
Activity Name: PUBLIC PARTICIPATION PLAN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 04301992
Revised Due Date: Not reported
Comments Date: 04301992
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: SS
Activity Name: SITE SCREENING
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 03261990
Revised Due Date: Not reported
Comments Date: 03261990
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	OU2
Proposed Budget:	0
AWP Completion Date:	06302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	DEH
Proposed Budget:	0
AWP Completion Date:	06302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	BSWD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08301999
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: CFA
Proposed Budget: 0
AWP Completion Date: 09302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: CFA
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04161998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	923
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04161998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38970002
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	950
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04161998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: 640
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04161998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: OU2
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02271997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: DEH
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments Date: 03311997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: OU3FR
Proposed Budget: 0
AWP Completion Date: 11192005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: OU2
Proposed Budget: 0
AWP Completion Date: 11302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: OU3FR
Proposed Budget: 0
AWP Completion Date: 05012005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: OU2A
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04262004
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: BASWD
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05031995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: OU1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12161994
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: 640
Proposed Budget: 0
AWP Completion Date: 04161998
Revised Due Date: Not reported
Comments Date: 04161998
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: OU2
Proposed Budget: 0
AWP Completion Date: 01301997
Revised Due Date: Not reported
Comments Date: 01301997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: OU2
Proposed Budget: 0
AWP Completion Date: 08301996
Revised Due Date: Not reported
Comments Date: 08301996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Activity Comments: ARMY SPRAYED BLDG 950/973 AREA WITH A DUST SUPPRESSANT ON 07/96. THE SPRAY MATERIAL IS A NON-TOXIC, WATER SOLUBLE EMULSION KNOWN AS "SOIL CEMENT". AREA NOW STABILIZED FROM AIRBORNE DUST.

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: BD900
Proposed Budget: 0
AWP Completion Date: 08301996
Revised Due Date: Not reported
Comments Date: 08301996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: X
Removal Action Certification: N
Activity Comments: IN RESPONSE TO A DRAFT FENCE AND POST ORDER FROM DTSC, THE ARMY AND THE NATIONAL PARK SERVICE INSTALLED A FENCE AROUND THE BUILDING.

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: DEH
Proposed Budget: 0
AWP Completion Date: 03311997
Revised Due Date: Not reported
Comments Date: 03311997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: 1349P
Proposed Budget: 0
AWP Completion Date: 10301996
Revised Due Date: Not reported
Comments Date: 10301996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 1020
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: REMOVAL OF A 100,000 GALLON UNDERGROUND FUEL OIL STORAGE TANK, APPROXIMATELY 220 TONS OF CONCRETE DEBRIS, 23.74 TONS OF SCRAP STEEL AND 15 YARDS OF SOIL AND DEBRIS.

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: 1349P
Proposed Budget: 0
AWP Completion Date: 06211996
Revised Due Date: Not reported
Comments Date: 06211996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: OU1
Proposed Budget: 0
AWP Completion Date: 06302016
Revised Due Date: Not reported
Comments Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Est Person-Yrs to complete: 0
Estimated Size: L
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: OU3FR
Proposed Budget: 0
AWP Completion Date: 05012005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: DES
Activity Name: DESIGN
AWP Code: OU3FR
Proposed Budget: 0
AWP Completion Date: 11302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38970002
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: OU3FR
Proposed Budget: 0
AWP Completion Date: 06181998
Revised Due Date: Not reported
Comments Date: 06181998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 1,400 AC; N-MOST TIP OF THE SF PENINSULA
Alternate City,St,Zip: SAN FRANCISCO, CA 94129
Alternate Address: 1400 AC;N-MOST TIP OF THE SF PENINSULA
Alternate City,St,Zip: SAN FRANCISCO, CA 94129
Alternate Address: 1400 ACRES;N-MOST TIP OF THE ST
Alternate City,St,Zip: SAN FRANCISCO, CA 94129
Alternate Address: HEADQUARTERS, PRESIDIO OF SAN FRANCISCO
Alternate City,St,Zip: SAN FRANCISCO, CA 94129
Alternate Address: THE PRESIDIO
Alternate City,St,Zip: SAN FRANCISCO, CA 94129
Alternate Address: U.S ARMY GARRISON, ATTN AFKC-2M-DEHISCO
Alternate City,St,Zip: SAN FRANCISCO, CA 94129
Background Info: Polychlorinated biphenyls (PCBs), petroleum hydrocarbons, heavy metals, solvents and pesticides may have contaminated the soil and groundwater. These contaminants may migrate offsite via surface runoff and groundwater transport. This could result in human and animal exposure from direct contact or ingestion of contaminated soil and water. Preliminary site assessments at PSF were conducted in 1982 and 1989. Six major areas of PSF were identified for site investigation: the Public Health Services Hospital Facility (PHSH) Area; the Nike Missile Installation Facility (NMIF) Area; the Crissy Field (CF) Area; the Directorate of Engineering and Housing (DEH) Area; the Main Post (MP) Area; and the Landfill Area. In May 1999, the Army transferred the investigation and remediation responsibility of PSF to the Presidio Trust. The Trust has been collecting more information and field data to determine wh

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

ich of these areas needs remedial investigation. The PHS Area was operated independently of the PSF until 1981. This area includes Building 1827 and two out-of-service incinerators. The Trust is currently assessing Building 1827, which has been used for storage of insecticides and other hazardous materials, and the two incinerators. One of the incinerators was used for the disposal of research and medical waste, the second incinerator was never operated. The NMIF Area was constructed in 1955. The NMIF is approximately 10 acres in size and consists of Buildings 1450 and 1451, and three decommissioned missile silos. The buildings were used by the Army's Explosive Ordnance Demolition for administration and for maintenance of electrical equipment operations. The silos are currently being used as a DEH storage yard for 30 to 50 telephone poles that may have been treated with copper arsenate and pentachlorophenol (PCP). The CF Area is located along the northern boundary of PSF. Eight buildings were identified for site investigation. These buildings have been identified as being potentially contaminated by heavy metals; petroleum hydrocarbon (TPH); PCBs and pesticide. The DEH Area is located in the northwestern corner of PSF; this area was used as an administrative, storage and maintenance support facility for the base. Four buildings have been identified as being potentially contaminated by pesticide and TPH. The MP Area is located in the east-central portion of PSF. The MP area supports: administration; housing; restaurants and recreation facilities; laundry/dry cleaning services; and a power plant. Building 211 contains the Burger King; Building 228 contains the dry cleaner; Building 231 contained the gas station; and Building 1040 contains the power plant. These buildings are identified as being potentially contaminated by heavy metals, PCBs and total petroleum hydrocarbon (TPH). The Landfill Area consists of nine waste disposal locations and one solid waste transfer station. Wastes that were disposed of or spilled at these locations include: building rubble and asbestos-containing waste; metals and inorganic wastes; oily waste; and solvents. A portion of one landfill is reported to have once been used as a cemetery; the majority of the graves are believed to lie beneath a paved parking lot and tennis courts north of PHS. The Presidio of San Francisco (PSF) was the Headquarters for the Sixth U.S. Army. PSF is approximately 1,232 acres in size and is situated on the northern tip of the San Francisco peninsula.

Comments Date: 03261990
Comments: There are known hydrocarbon releases in groundwater and soil.
Comments Date: 01011991
Comments: This is the date the site was first listed pursuant to
Comments Date: 01011991
Comments: section 25356.
Comments Date: 01101992
Comments: RA completed. Soil was excavated to remove one 500 gallon and one
Comments Date: 01101992
Comments: 1,000 gallon underground storage tank (UST) which contained
Comments Date: 01101992
Comments: petroleum products in an area outside the northern wall of
Comments Date: 01101992
Comments: Building 937. The RA also involved soil excavation and removal
Comments Date: 01101992
Comments: of underground pipe lines located inside and outside of Building
Comments Date: 01101992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: 937. The excavated area outside was about 65.7 feet long by 20
Comments Date: 01101992
Comments: feet wide. The excavated area that contained the two USTs were
Comments Date: 01101992
Comments: dug down to the groundwater level, less than 20 feet below
Comments Date: 01101992
Comments: ground surface. The excavated area inside the building was about
Comments Date: 01101992
Comments: 55 feet long by 30 feet wide. It was also dug down less than 20
Comments Date: 01101992
Comments: feet. A well was also removed to determine if it was the source
Comments Date: 01101992
Comments: of the petroleum floating products that had been detected since
Comments Date: 01101992
Comments: the 1980's. The product was removed from the well prior to
Comments Date: 01101992
Comments: excavation and it was determined that the product was limited to
Comments Date: 01101992
Comments: the vicinity of the well. During the removal of the well, it was
Comments Date: 01101992
Comments: discovered that the well had two casings within the borehole, one
Comments Date: 01101992
Comments: of which appeared to be abandoned. Also discovered, was an
Comments Date: 01101992
Comments: abandoned well about three feet to the south-east of well 937-11.
Comments Date: 01101992
Comments: Forty (40) truckloads of soil materials from the site were
Comments Date: 01101992
Comments: removed and hauled to Port Costa Materials, Inc. The excavated
Comments Date: 01101992
Comments: area inside the building was backfilled with pea gravel and
Comments Date: 01101992
Comments: paved with at least four-inch thick concrete. The excavated area
Comments Date: 01101992
Comments: outside the building was backfilled with clean soil and paved
Comments Date: 01101992
Comments: with at least four-inch thick layer of asphalt.
Comments Date: 01242000
Comments: RMDL-Former DEH Yard. Completion of remedial activities for the F
Comments Date: 01242000
Comments: ormer Directorate of Engineering and Housing Area. The cleanup ac
Comments Date: 01242000
Comments: tion involves excavation and off-site disposal of soil contaminat
Comments Date: 01242000
Comments: ed with inorganics and pesticides. The RAP also calls for long t
Comments Date: 01242000
Comments: erm ground water monitoring at the site.
Comments Date: 01251991
Comments: DHS received EPA FIT Federal Facility PA Review. EPA
Comments Date: 01251991
Comments: recommendation is high-priority SSI 06/22/90.
Comments Date: 01252000
Comments: RA-OU2PCB - The soil removal for PCB contamination around the Bui
Comments Date: 01252000
Comments: ldings 680 and 1153 area.
Comments Date: 02221996
Comments: Removal Action Completion, OU2PCB Size of Activity: Medium Desc

MAP FINDINGS

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments Date: 02221996
Comments: ription of Activity: Completion of Removal Action for a project t
Comments Date: 02221996
Comments: hat involves removal and disposal of transformers and oil switche
Comments Date: 02221996
Comments: s which contained polychlorinated bi-phenyl (PCB) at 17 sites tha
Comments Date: 02221996
Comments: t are scattered throughout the Presidio of San Francisco. Based
Comments Date: 02221996
Comments: on what was originally thought, six of these sites (A, D, F, H, I
Comments Date: 02221996
Comments: & J) were active (were still in service), other sites (B, C, K,
Comments Date: 02221996
Comments: M, N, O, P, R & S) were inactive, and one (G) belongs to the a
Comments Date: 02221996
Comments: ctive/inactive category. These electrical devices were either mou
Comments Date: 02221996
Comments: nted on poles or concrete pads. However, when the work started,
Comments Date: 02221996
Comments: all but one site had been inactive. During the removal activitie
Comments Date: 02221996
Comments: s the transformer at Site M was still connected; th transformer n
Comments Date: 02221996
Comments: ext to it was inactive and was removed instead. The following wer
Comments Date: 02221996
Comments: e removed at the sites: - two pad-mounted transformers at Site B;
Comments Date: 02221996
Comments: - three pad-mounted transformers and three switches at Site - fo
Comments Date: 02221996
Comments: ur transformers from Site K - one pole-mounted transformer from e
Comments Date: 02221996
Comments: ach of Sites O, M, H, & I; - one pad-mounted transformer and one
Comments Date: 02221996
Comments: switch from Site P; - one pad-mounted transformer from each of Si
Comments Date: 02221996
Comments: tes A & F; - one switch from each of sites Q, S & J; - three swit
Comments Date: 02221996
Comments: ches from Site R; - one switch from the manhole at Site G and the
Comments Date: 02221996
Comments: water accumulated in the manhole. Volume Treated, Stabilized o
Comments Date: 02221996
Comments: r Disposed: According to the submitted waste manifest, 10 yards o
Comments Date: 02221996
Comments: f concrete debris were disposed of to Chemical Waste Facility in
Comments Date: 02221996
Comments: Kettleman City, California; 4,810 kilograms of empty transformers
Comments Date: 02221996
Comments: were incinerated at Aptus, Inc. facility in Coffeyville, Kansas;
Comments Date: 02221996
Comments: 2,307 kilograms of contaminated PCB devices were disposed of by
Comments Date: 02221996
Comments: incineration at HELPER, INC's facility in Madison, South Dakota;
Comments Date: 02221996
Comments: and 14,130 kilograms of PCB fluid/mineral oil were disposed of by
Comments Date: 02221996
Comments: incineration at the Big Stone Plant in South Dakota.
Comments Date: 03182004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: RAP - OU2A -- Completed a Remedial Action Plan (RAP for OU2A. Thi
Comments Date: 03182004
Comments: s RAP addresses remediation at three sites within the Presidio (B
Comments Date: 03182004
Comments: aker Beach Disturbed Area 3 (BBDA3), Baker Beach Disturbed Area 4
Comments Date: 03182004
Comments: (BBDA4), and Fill Site 6A. The remedial actions at all three si
Comments Date: 03182004
Comments: tes will consist of excavation and offsite disposal of the contam
Comments Date: 03182004
Comments: inated soils. Chemicals of Concern (COCs) at BBDA3 include Cadmi
Comments Date: 03182004
Comments: um, Cobalt, Lead, Zinc DDT, Chlordane, Dieldrin, and PCBs. (COCs
Comments Date: 03182004
Comments: at BBDA4 include Lead, Zinc, DDT, and Chlordane. COCs at Fillsit
Comments Date: 03182004
Comments: e 6A include Mercury and PCBS.
Comments Date: 03261990
Comments: e site needs to be further characterized and mitigated. Locations
Comments Date: 03261990
Comments: and status of more than 200 underground storage tanks need to be
Comments Date: 03261990
Comments: confirmed. The site needs extensive remedial investigation/feasi
Comments Date: 03261990
Comments: bility study (RIFS).
Comments Date: 04262004
Comments: CEQA - OU2A -- Completed a CEQA studies, public and agency review
Comments Date: 04262004
Comments: for a Remedial Action Plan (RAP) for OU2A. The CEQA initial st
Comments Date: 04262004
Comments: udy addressed remediation at three sites within the Presidio (Bak
Comments Date: 04262004
Comments: er Beach Disturbed Area 3 (BBDA3), Baker Beach Disturbed Area 4(B
Comments Date: 04262004
Comments: BDA4), and Fill Site 6A. The remedial actions at all three sites
Comments Date: 04262004
Comments: will consist of excavation and offsite disposal of the contaminat
Comments Date: 04262004
Comments: ed soils. Chemicals of Concern (COCs) at BBDA3 include Cadmium,
Comments Date: 04262004
Comments: Cobalt, Lead, Zinc, DDT, Chlordane, Dieldrin and PCBs. COCs at B
Comments Date: 04262004
Comments: BDA4 include Lead, Zine, DDT, and Chlordane. COCs at fillsite 6A
Comments Date: 04262004
Comments: include Mercury and PCBs. Final forms were filed with the State
Comments Date: 04262004
Comments: Clearinghouse on April 26, 2004.
Comments Date: 05031995
Comments: Completion of a CEQA Notice of Exemption (NOE) for a project that
Comments Date: 05031995
Comments: involves removal and disposal of transformer, oil switches which
Comments Date: 05031995
Comments: contain polychlorinated bi-phenyl (PCB) at seventeen (17) sites
Comments Date: 05031995
Comments: that are scattered throughout the Presidio of San Francisco. Six
Comments Date: 05031995
Comments: of these sites (A, D, F, H, I and J) are active (still in servic

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments Date: 05031995
Comments: e), the (B, C, K, M, N, O, P, Q, R and S) are inactive, and one (
Comments Date: 05031995
Comments: G) belong to the active/inactive category. These electrical equi
Comments Date: 05031995
Comments: pment are either mounted on poles or concrete pads.
Comments Date: 05071998
Comments: RAP-CFA: Completion of a Remedial Action Plan for the Presidio's
Comments Date: 05071998
Comments: Crissy Field. The cleanup action involves excavation and off-site
Comments Date: 05071998
Comments: disposal of soil contaminated with organics and inorganics above
Comments Date: 05071998
Comments: cleanup action levels. The proposed action also calls for ground
Comments Date: 05071998
Comments: - water to ensure protection of the San Francisco Bay. Approximat
Comments Date: 05071998
Comments: e cost = \$5 M; funding = BRAC I RAW-640: Completion of a Remova
Comments Date: 05071998
Comments: l Action Workplan for on-site excavation and off-site disposal of
Comments Date: 05071998
Comments: lead contaminated soil at Buildings 640 & 643 areas. These areas
Comments Date: 05071998
Comments: are located in the center of Crissy Field an encompasses an area
Comments Date: 05071998
Comments: of approximately .5 acres. Constructed in the 1920s, both buildi
Comments Date: 05071998
Comments: ngs were originally used as airplane hangers. The Army also occup
Comments Date: 05071998
Comments: ied building 640 for vehicle maintenance, while building 643 for
Comments Date: 05071998
Comments: maintenance of electronic equipment. Approximate cost = \$98,000;
Comments Date: 05071998
Comments: funding = BRAC I RAW-950: Completion of a Removal Action Workpl
Comments Date: 05071998
Comments: an for on-site excavation and off-site disposal of lead contamina
Comments Date: 05071998
Comments: ted soil at Building 950 area. Building 950, formerly located at
Comments Date: 05071998
Comments: the westernmost end of Crissy Field, were demolished along with
Comments Date: 05071998
Comments: the adjacent buildings nearby (i.e., 949, 973, and 974) by the Na
Comments Date: 05071998
Comments: tional Park Service in 1996. These buildings were open structures
Comments Date: 05071998
Comments: that were used for storage of chemicals, paint materials, vehicl
Comments Date: 05071998
Comments: es and equipment. Appromimate cost = \$400,000; funding = BRAC I
Comments Date: 05071998
Comments: RAW-923: Completion of a Removal Action Workplan for on-site exc
Comments Date: 05071998
Comments: avation and off-site disposal of lead contaminated soil at Buildi
Comments Date: 05071998
Comments: ngs 923-937 areas. These areas are located in the south- western
Comments Date: 05071998
Comments: portion of Crissy Field and encompasses an area of approximately
Comments Date: 05071998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: 1.0 acre. These buildings had been used by the Army for a variety
Comments Date: 05071998
Comments: of vehicle, aircraft, and electronic equipment maintenance activ
Comments Date: 05071998
Comments: ities. Approximate cost = \$200,000.00; funding BRAC I.
Comments Date: 05241995
Comments: Site investigation conducted at Building 1349, a 100,000 gallon a
Comments Date: 05241995
Comments: boveground fuel oil storage tank, located at the western side of
Comments Date: 05241995
Comments: the Presidio. The SI recommends further investigation and removal
Comments Date: 05241995
Comments: of the tank, dispensing structures and piping. The SI also recom
Comments Date: 05241995
Comments: mends the removal of concrete containment pad, fence and 50 cubic
Comments Date: 05241995
Comments: yards of contaminated soil. A corrective action plan pursuant to
Comments Date: 05241995
Comments: the California Health and Safety code and Water code will be pre
Comments Date: 05241995
Comments: pared by the Army to cleanup the contamination at the site. Volum
Comments Date: 05241995
Comments: e Treated, Stabilized or Disposed: Approximately 50 yards of cont
Comments Date: 05241995
Comments: aminated soil and debris from Site 1349 will be excavated and dis
Comments Date: 05241995
Comments: posed of to an appropriate disposal facility.
Comments Date: 05291998
Comments: Trust submitted to DTSC the "Alternative Remedial Actions for
Comments Date: 05291998
Comments: Presidio Main Installation Sites and Public Health Service
Comments Date: 05291998
Comments: Hospital Sites". This document presents the Trusts' original
Comments Date: 05291998
Comments: proposal for remediation of sites within the subject areas.
Comments Date: 06041991
Comments: Letter received announcing Army's completion of Enhanced
Comments Date: 06041991
Comments: Preliminary Assessment Report for Main Installation.
Comments Date: 06181998
Comments: PEA-OU3FR: Completion of the Preliminary Assessment/Site Investig
Comments Date: 06181998
Comments: ation Report for the Small Arms Firing Ranges. All remaining site
Comments Date: 06181998
Comments: s that are neither included in the Crissy Field Remedial Action P
Comments Date: 06181998
Comments: lan nor the Main Installation Feasibility Study/ RAR will be eval
Comments Date: 06181998
Comments: uated under a new operable unit designation called OU5.
Comments Date: 07011993
Comments: RA - UTGS -- Removal of four underground storage tanks was comple
Comments Date: 07011993
Comments: ted. Approximate cost = \$371,600; funding DSMOA.
Comments Date: 08281991
Comments: RCVD Record of Communication and Mailing List for Public
Comments Date: 08281991
Comments: Information and Response Plan (PIRP). DTSC submitted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments Date: 08281991
Comments: minor comments on 09/24/91.
Comments Date: 08301999
Comments: ORDER - BSWD -- The Consent Agreement is entered into by Departme
Comments Date: 08301999
Comments: nt of Toxic Substances Control, the Presidio Trust, and the U.S.
Comments Date: 08301999
Comments: Department of Interior, National Park Service to provide for the
Comments Date: 08301999
Comments: remediation of hazardous substances at the Presidio of San Franci
Comments Date: 08301999
Comments: sco. RA - OU2PC -- The Main Installation PCB removal has been c
Comments Date: 08301999
Comments: ompleted for sites 1153 and 680 in August 1998 with the report su
Comments Date: 08301999
Comments: bmitted in Feb. 1999. These finding will be included in the Main
Comments Date: 08301999
Comments: Installation FS/RAP with the recommendation of "No Further Action
Comments Date: 08301999
Comments: ".
Comments Date: 09031991
Comments: RCVD draft final RI report for Public Health Services
Comments Date: 09031991
Comments: building. DTSC submitted comments to the RI report on
Comments Date: 09031991
Comments: 10/31/91. The report has discrepancies, inconsistent
Comments Date: 09031991
Comments: data and information, and very poor site characterization.
Comments Date: 09031991
Comments: Baseline risk assessment also requires revision.
Comments Date: 09161993
Comments: RA - OU2 -- Completed. Removal of 9 tanks and an oil/water separ
Comments Date: 09161993
Comments: ator. Approximate cost = \$424,700; Funding = DSMOA.
Comments Date: 09261991
Comments: DTSC received Project Management Plan & Document Retention
Comments Date: 09261991
Comments: Plan for all RI/FS activities at the Presidio.
Comments Date: 10161991
Comments: DTSC submitted language for property transfer section of FFSRA.
Comments Date: 10161991
Comments: Army responded to proposal on October 22, 1991.
Comments Date: 10311991
Comments: DTSC comments to the PHSR RI reports submitted. The report
Comments Date: 10311991
Comments: contained a number of inconsistent data, very poor site
Comments Date: 10311991
Comments: characterization. The Baseline Risk Assessment section of the
Comments Date: 10311991
Comments: report also required revision.
Comments Date: 11051993
Comments: lth Services Building Area on November 5, 1993. Approximate cost
Comments Date: 11051993
Comments: = \$900,000; funding = BRAC.
Comments Date: 11051993
Comments: RI/FS - BLDG -- DTSC approved the RI/FS for the former Public Hea
Comments Date: 11131991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: Hand delivered redline FFSRA with DTSC proposed transfer of
Comments Date: 11131991
Comments: property language to the Commanding Officer and overnight
Comments Date: 11131991
Comments: delivery to RWQCB and USATHAMA. Received draft Enhanced
Comments Date: 11131991
Comments: Preliminary Assessment and RI/FS workplans for additional sites
Comments Date: 11131991
Comments: w/c includes: Baker Beach Area; Golden Gate Transport.District;
Comments Date: 11131991
Comments: Crissy Field Area permitted to the GGNRA; and Battery Howe Wagner
Comments Date: 11131991
Comments: State submitted comments on December 19, 1991.
Comments Date: 11281991
Comments: DTSC received draft final Public Involvement Response Plan
Comments Date: 11281991
Comments: (PIRP). DTSC Public Participation reviewed and commented on
Comments Date: 11281991
Comments: the report. DTSC requested the Water Board's PM to comment.
Comments Date: 12011995
Comments: DES OU1 12-01-95 Building 1827, a wooden structure, approximately
Comments Date: 12011995
Comments: 46 feet by 24 feet in size, and 11 feet high, was identified for
Comments Date: 12011995
Comments: demolition and removal. The submitted document provides design
Comments Date: 12011995
Comments: criteria and rationale for the removal action for Building 1827 i
Comments Date: 12011995
Comments: ncluding demolition of the building and off-site disposal of the
Comments Date: 12011995
Comments: building debris. Approximate cost and funding source: \$5,000.0
Comments Date: 12011995
Comments: 0 BRAC PEA OU2TP 12-01-95 The former Building 637 was located i
Comments Date: 12011995
Comments: n a 0.75 acre, fenced petroleum-oil lubricants (POL) area located
Comments Date: 12011995
Comments: immediately west of the consolidated Motor Pool Area and near t
Comments Date: 12011995
Comments: he intersection of Mason and Old Mason Streets. Six above ground
Comments Date: 12011995
Comments: storage tanks and five pumping islands were in this enclosed area
Comments Date: 12011995
Comments: . The three west-most tanks were 5,000 gal diesel-fuel tanks and
Comments Date: 12011995
Comments: the three eastern-most tanks were 20,000-gallon gasoline tanks. B
Comments Date: 12011995
Comments: uilding 637 itself was a small fuel control building for the adja
Comments Date: 12011995
Comments: cent Consolidated Motor Pool facility. The tanks, fuel islands, a
Comments Date: 12011995
Comments: nd control building were removed in September 1993 as part of a t
Comments Date: 12011995
Comments: ank removal project. A corrective action plan is currently being
Comments Date: 12011995
Comments: developed to address soil and groundwater contamination. Approx
Comments Date: 12011995
Comments: imate cost and funding source: \$20,000.00 BRAC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments Date: 12151994
Comments: RAP-OU1: A Remedial Action Plan was approved on 12/16/94 for the
Comments Date: 12151994
Comments: Former Public Health Services Hospital (OU1). The recommended
Comments Date: 12151994
Comments: response actions include the following: removal and disposal of a
Comments Date: 12151994
Comments: pesticide storage shed (Building 1827), long-term monitoring of
Comments Date: 12151994
Comments: Landfill 8, and confirmatory sampling at fill area 10 (graded
Comments Date: 12151994
Comments: area). Approximate cost = \$600,000; funding = BRAC.
Comments Date: 12161994
Comments: CEQA-OU1: A CEQA package was prepared and approved for the Former
Comments Date: 12161994
Comments: Public Health Services Hospital (OU1). A Remedial Action Plan r
Comments Date: 12161994
Comments: ecommended the appropriate response action (see RAP-OU1). Approxi
Comments Date: 12161994
Comments: mate cost = \$10,000; funding = BRAC.
Comments Date: 12191991
Comments: DTSC comments to PA report and RIFS Workplan for supplemental
Comments Date: 12191991
Comments: sites (i.e., Baker Beach, Golden Gate District, Batter Howe-
Comments Date: 12191991
Comments: Wagner and Crissy Field/Landfill 7) submitted to the U.S. Army.
Comments Date: 12201991
Comments: DTSC received Initial Screening of Alternative Report as
Comments Date: 12201991
Comments: secondary document to the FS report for the U.S Public
Comments Date: 12201991
Comments: Health Services Hospital OU.
Comments Date: 12281991
Comments: RWQCB forwarded DTCS comments to the Bldg 937 area Site
Comments Date: 12281991
Comments: Characterization Workplan.
Comments Date: 12301991
Comments: DTSC and U.S Army resolved property transfer section of FFSRA.
Comments Date: 03261990
Comments: Site Screening Done: The site occupies approximately 1,800 acres.
ID Name: CALSTARS CODE
ID Value: 201239
ID Name: BEP DATABASE PCODE
ID Value: P23047
Alternate Name: PSFPRESIDIO OF SAN FRANCISCO
Special Programs Code: BRAC1
Special Programs Name: BASE REALIGNMENT & CLOSURE, 1ST ROUND
Special Programs Code: DSMOA
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

CORTESE:

Region: CORTESE
Envirostor Id: 38970002
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 01/01/1991
Site Code: 201239

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Latitude: 37.797777
Longitude: -122.47166
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: export
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

AWP:

AWP Facility ID: 38970002
Region Code: 2
Region: BERKELEY
SMBR Branch Code: NO
SMBR Branch Unit: OMF-NORTHERN CALIF
Site Name.: Not reported
Current Status Date: 01011991
Current Status: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: Closed military facility
Awp Site Type: CLOSED MILITARY BASE
NPL: Not Listed
Tier Of AWP Site: Not reported
Source Of Funding: Not reported
Responsible Staff Member: RBOGGS
Supervisor Responsible: Not reported
SIC Code: 97
Facility SIC: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
RWQCB Code: SF
RWQCB Associated With Site: SAN FRANCISCO BAY
Site Access Controlled: Not reported
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Of Contamination Sources: 20
Lat/Long: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: MEASURED FROM CENTER OF BASE
State Assembly Distt Code: 13
State Senate District: 03

RESPONSE:

Facility ID: 38970002
Site Type: State Response
Site Type Detail: Closed Base
Acres: 1483
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: Robert Boggs
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Site Code: 201239
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 13
Senate: 03
Special Program Status: Not reported
Status: Active
Status Date: 01/01/1991
Restricted Use: NO
Funding: Other Non-Military Funds
Latitude: 37.79777
Longitude: -122.4716
APN: NONE SPECIFIED
Past Use: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, DEGREASING FACILITY, DRY CLEANING, EQUIPMENT/INSTRUMENT REPAIR, FIRING RANGE - SMALL ARMS ETC..., FUEL - AIRCRAFT STORAGE/ REFUELING, FUEL - VEHICLE STORAGE/ REFUELING, FUEL HYDRANT PUMPING STATIONS, HOSPITAL, INCINERATOR - MEDICAL, INCINERATOR - OTHER, LANDFILL - DOMESTIC, LAUNDRY SERVICES, MACHINE SHOP, OIL/WATER SEPARATORS, OPEN BURN/OPEN DETONATION, PAINT/DEPAINT FACILITY, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE, RAILROAD RIGHT OF WAY, RESEARCH - OTHER, RESEARCH - WEAPONS, RESIDENTIAL AREA, TRANSFER STATION, TRANSPORTATION - PIPELINE, VEHICLE MAINTENANCE, TRANSPORTATION - WAREHOUSING

Potential COC: 10087, 10177, 40001, 10076, 10002, 10199, 20017, 10061, 10028, 10097, 10138, 10003, 30001, 30002, 30003, 30004, 30005, 30006, 30007, 30008, 30013, 30014, 30018, 30019, 30022, 30024, 30025, 3002502, 30026, 30027, 30028, 30108, 30116, 30152, 30153, 30156, 30193, 30194, 30195, 30196, 30207, 30357, 30407, 30468, 30469, 30470, 30472, 30473, 30474, 30475, 30476, 30477, 30478, 30479, 30480, 30481, 30482, 30483, 30484, 30485, 30515, 30536, 30550, 30587, 30593, 30594

Confirmed COC: 30001,30002,30003,30004,30005,30006,30007,30008,30013,30014,30587, 30593,30594,30357,30407,30468,30469,30470,30472,30473,30474,30475, 30476,30477,30478,30479,30480,30481,30482,30483,30484,30485,30515, 30536,30018,30019,30022,30024,30025,30026,30027,30028,30108,30152, 30153,30156,30193,30194,30195,30196,30207,30550,30116,3002502

Potential Description: OTH, SED, SOIL, SV, IA
Alias Name: PRESIDIO OF SAN FRANCISCO
Alias Type: Alternate Name
Alias Name: PSF
Alias Type: Alternate Name
Alias Name: 110033612179
Alias Type: EPA (FRS #)
Alias Name: T0600192182
Alias Type: GeoTracker Global ID
Alias Name: T0600192183
Alias Type: GeoTracker Global ID
Alias Name: T0600192184
Alias Type: GeoTracker Global ID
Alias Name: T0600192185
Alias Type: GeoTracker Global ID
Alias Name: T0600192186
Alias Type: GeoTracker Global ID
Alias Name: T0600192187

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Type:	GeoTracker Global ID
Alias Name:	T0600192225
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192226
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192227
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192228
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192229
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192230
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192231
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192232
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192233
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192234
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192235
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192236
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192237
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192238
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192239
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192240
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192241
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192242
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192243
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192244
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192245
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192246
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192247
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192248
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192249
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192250
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192251
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192252
Alias Type:	GeoTracker Global ID

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Name:	T0600192253
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192254
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192255
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192256
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192257
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392258
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392260
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392261
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392262
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392263
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592188
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592218
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592219
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592220
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592221
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592264
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592265
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592266
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592267
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592268
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592269
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592270
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592271
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592272
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592273
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592274
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592275
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592276
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592277

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Type:	GeoTracker Global ID
Alias Name:	T0607592278
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592279
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592280
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592281
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592282
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592283
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592189
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592222
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592223
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592284
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592285
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592286
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592287
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592288
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592289
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592290
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592291
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592292
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592293
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592294
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592295
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592167
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592168
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592169
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592170
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592171
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592172
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592173
Alias Type:	GeoTracker Global ID

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Name: T0609592174
Alias Type: GeoTracker Global ID
Alias Name: T0609592175
Alias Type: GeoTracker Global ID
Alias Name: T0609592176
Alias Type: GeoTracker Global ID
Alias Name: T0609592177
Alias Type: GeoTracker Global ID
Alias Name: T0609592178
Alias Type: GeoTracker Global ID
Alias Name: T0609592179
Alias Type: GeoTracker Global ID
Alias Name: T0609592180
Alias Type: GeoTracker Global ID
Alias Name: T0609592181
Alias Type: GeoTracker Global ID
Alias Name: T0609592296
Alias Type: GeoTracker Global ID
Alias Name: T0609592297
Alias Type: GeoTracker Global ID
Alias Name: T0609592298
Alias Type: GeoTracker Global ID
Alias Name: T0609592299
Alias Type: GeoTracker Global ID
Alias Name: T0609592300
Alias Type: GeoTracker Global ID
Alias Name: T0609592301
Alias Type: GeoTracker Global ID
Alias Name: T0609592302
Alias Type: GeoTracker Global ID
Alias Name: T0609592303
Alias Type: GeoTracker Global ID
Alias Name: T0609592304
Alias Type: GeoTracker Global ID
Alias Name: T0609592305
Alias Type: GeoTracker Global ID
Alias Name: T0609592306
Alias Type: GeoTracker Global ID
Alias Name: T0609592307
Alias Type: GeoTracker Global ID
Alias Name: T10000001302
Alias Type: GeoTracker Global ID
Alias Name: P23047
Alias Type: PCode
Alias Name: 201239
Alias Type: Project Code (Site Code)
Alias Name: 38970002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Certification
Completed Date: 01/21/2011
Comments: Certification for the Crissy Field Area with the exception of Building 937. Remedial Actions complete and no further action required (except Building 937 which requires additional remedial actions).

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Area Name: RAP2 Sites
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 04/26/2004
Comments: CEQA - OU2A -- Completed a CEQA studies, public and agency review for a Remedial Action Plan (RAP) for OU2A. The CEQA initial study addressed remediation at three sites within the Presidio (Baker Beach Disturbed Area 3 (BBDA3), Baker Beach Disturbed Area 4(BBDA4), and Fill Site 6A. The remedial actions at all three sites will consist of excavation and offsite disposal of the contaminated soils. Chemicals of Concern (COCs) at BBDA3 include Cadmium, Cobalt, Lead, Zinc, DDT, Chlordane, Dieldrin and PCBs. COCs at BBDA4 include Lead, Zinc, DDT, and Chlordane. COCs at fillsite 6A include Mercury and PCBs. Final forms were filed with the State Clearinghouse on April 26, 2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 05/03/1995
Comments: Completion of a CEQA Notice of Exemption (NOE) for a project that involves removal and disposal of transformer, oil switches which contain polychlorinated bi-phenyl (PCB) at seventeen (17) sites that are scattered throughout the Presidio of San Francisco. Six of these sites (A, D, F, H, I and J) are active (still in service), the (B, C, K, M, N, O, P, Q, R and S) are inactive, and one (G) belong to the active/inactive category. These electrical equipment are either mounted on poles or concrete pads.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 02/27/1997
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: * CEQA
Completed Date: 03/31/1997
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: Certification
Completed Date: 12/19/2006
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: * CEQA
Completed Date: 04/16/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/30/1999
Comments: ORDER - BSWD -- The Consent Agreement is entered into by Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

of Toxic Substances Control, the Presidio Trust, and the U.S. Department of Interior, National Park Service to provide for the remediation of hazardous substances at the Presidio of San Francisco. RA - OU2PC -- The Main Installation PCB removal has been completed for sites 1153 and 680 in August 1998 with the report submitted in Feb. 1999. These finding will be included in the Main Installation FS/RAP with the recommendation of "No Further Action".

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Building 649
Completed Document Type: Site Characterization Workplan
Completed Date: 01/10/2012
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Not reported
Completed Document Type: *Action Memorandum (if <\$1M)
Completed Date: 01/30/1997
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/24/2000
Comments: RMDL-Former DEH Yard. Completion of remedial activities for the Former Directorate of Engineering and Housing Area. The cleanup action involves excavation and off-site disposal of soil contaminated with inorganics and pesticides. The RAP also calls for long term ground water monitoring at the site.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Remedial Action Plan
Completed Date: 04/16/1998
Comments: RAP-CFA: Completion of a Remedial Action Plan for the Presidio's Crissy Field. The cleanup action involves excavation and off-site disposal of soil contaminated with organics and inorganics above cleanup action levels. The proposed action also calls for ground-water to ensure protection of the San Francisco Bay. Approximate cost = \$5 M; funding = BRAC I RAW-640: Completion of a Removal Action Workplan for on-site excavation and off-site disposal of lead contaminated soil at Buildings 640 & 643 areas. These areas are located in the center of Crissy Field an encompasses an area of approximately .5 acres. Constructed in the 1920s, both buildings were originally used as airplane hangers. The Army also occupied building 640 for vehicle maintenance, while building 643 for maintenance of electronic equipment. Approximate cost = \$98,000; funding = BRAC I RAW-950: Completion of a Removal Action Workplan for on-site excavation and off-site disposal of lead contaminated soil at Building 950 area. Building 950, formerly located at the westernmost end of Crissy Field, were demolished along with the adjacent buildings nearby (i.e., 949, 973, and 974) by the National Park Service in 1996. These buildings were open structures that were used for storage of chemicals, paint materials, vehicles and equipment. Appromimate cost = \$400,000; funding = BRAC I RAW-923: Completion of a Removal Action Workplan for on-site excavation and off-site disposal of lead contaminated soil at Buildings 923-937 areas. These

MAP FINDINGS

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

areas are located in the south- western portion of Crissy Field and encompasses an area of approximately 1.0 acre. These buildings had been used by the Army for a variety of vehicle, aircraft, and electronic equipment maintenance activities. Approximate cost = \$200,000.00; funding BRAC I.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 08/30/1996
 Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
 Completed Sub Area Name: DEH
 Completed Document Type: Remedial Action Plan
 Completed Date: 03/31/1997
 Comments: Not reported

Completed Area Name: OU-Petroleum Sites
 Completed Sub Area Name: 1349P
 Completed Document Type: Removal Action Completion Report
 Completed Date: 10/30/1996
 Comments: Not reported

Completed Area Name: OU-Petroleum Sites
 Completed Sub Area Name: 1349P
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 06/21/1996
 Comments: Not reported

Completed Area Name: RAP2 Sites
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Plan
 Completed Date: 03/18/2004
 Comments: RAP - OU2A -- Completed a Remedial Action Plan (RAP for OU2A. This RAP addresses remediation at three sites within the Presidio (Baker Beach Disturbed Area 3 (BBDA3), Baker Beach Disturbed Area 4 (BBDA4), and Fill Site 6A. The remedial actions at all three sites will consist of excavation and offsite disposal of the contaminated soils. Chemicals of Concern (COCs) at BBDA3 include Cadmium, Cobalt, Lead, Zinc DDT, Chlordane, Dieldrin, and PCBs. (COCs at BBDA4 include Lead, Zinc, DDT, and Chlordane. COCs at Fillsite 6A include Mercury and PCBS.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
 Completed Sub Area Name: Building 937
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 05/24/1995
 Comments: Site investigation conducted at Building 1349, a 100,000 gallon aboveground fuel oil storage tank, located at the western side of the Presidio. The SI recommends further investigation and removal of the tank, dispensing structures and piping. The SI also recommends the removal of concrete containment pad, fence and 50 cubic yards of contaminated soil. A corrective action plan pursuant to the California Health and Safety code and Water code will be prepared by the Army to cleanup the contamination at the site. Volume Treated, Stabilized or Disposed: Approximately 50 yards of contaminated soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

and debris from Site 1349 will be excavated and disposed of to an appropriate disposal facility.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/16/1993
Comments: RA - OU2 -- Completed. Removal of 9 tanks and an oil/water separator. Approximate cost = \$424,700; Funding = DSMOA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/04/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1992
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Building 937
Completed Document Type: Site Characterization Workplan
Completed Date: 10/14/2009
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: Remedial Action Plan Amendment
Completed Date: 08/22/2004
Comments: Report Accepted, site to be submitted for certification of removal action, and NFA after groundwater monitoring is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Archive Search Report (ASR)
Completed Date: 03/26/1990
Comments: Site Screening Done: The site occupies approximately 1,800 acres. There are known hydrocarbon releases in groundwater and soil. The site needs to be further characterized and mitigated. Locations and status of more than 200 underground storage tanks need to be confirmed. The site needs extensive remedial investigation/feasibility study (RIFS).

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Area A Sites - BBDA1, 1A, 2, 2A
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/05/2006
Comments: Work plan reviewed and approved on an expedited schedule. Field work currently under way with results report expected spring 2007.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Nike Facility
Completed Document Type: Remedial Investigation Report
Completed Date: 11/28/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Baker Beach Disturbed Area 1
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/08/2007
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Baker Beach Disturbed Area 1A
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/07/2007
Comments: Document approved.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Baker Beach Disturbed Area 2A
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/08/2007
Comments: Not reported

Completed Area Name: RAP4 Sites- PSHH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 8
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/15/2008
Comments: Not reported

Completed Area Name: RAP4 Sites- PSHH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 10
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/15/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/18/2007
Comments: DTSC memorialized approval of the RAP for Baker Beach 1 and 2A and 27 other sites by signing the RAP. The signature page is found under RP FINAL.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 1351 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Nike Facility
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Nike Swale
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Transfer Station Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 1167 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Approved design for shallow excavation and off site disposal

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 662 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 669
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Sewer Lift Station #1
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 633 Firing Range
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 680 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Former Railroad Tracks
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Former Coal Storage Bin
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Graded Area 9
Completed Document Type: Design/Implementation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: OU-Petroleum Sites
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/13/2007
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 10
Completed Document Type: Base / Site Management Plan
Completed Date: 07/27/2008
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 10
Completed Document Type: Feasibility Study Report
Completed Date: 11/12/2008
Comments: DTSC provided verbal concurrence that alternatives evaluated in the FS are adequate for inclusion in a RAP to be submitted for public review and comment.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Area A Sites - BBDA1, 1A, 2, 2A
Completed Document Type: Site Characterization Report
Completed Date: 11/11/2006
Comments: Accepted report with conditions.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 09/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Review
Completed Date: 01/04/2012
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/09/2011
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Finding of Suitability to Lease
Completed Date: 10/07/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Building 937
Completed Document Type: Site Characterization Report
Completed Date: 05/16/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence - Received
Completed Date: 11/16/2001
Comments: The Presidio Trust (Trust) and the National Park Service (NPS) have adjacent jurisdictions in the Presidio of San Francisco, part of the Golden Gate National Recreation Area (GGNRA) with 5 federally listed plant species. This Biological Assessment addresses 2 Presidio-wide planning efforts which the Trust and the NPS are coordinating and implementing jointly. These projects are the Draft Trails and Bikeways Master Plan and the Draft Environmental Remediation Program. The third project addressed in this Biological Assessment is the Draft Presidio Trust Implementation Plan, the planning document for Area B of the Presidio, the interior 80% of the park managed by the Presidio Trust. The Draft Presidio Trust Implementation Plan is an update to the NPS's 1994 General Management Plan Amendment. These three plans - the Draft Trails and Bikeways Master Plan, Draft Environmental Remediation Program, and Draft Presidio Trust Implementation Plan - are presented together at the request of the U.S. Fish and Wildlife Service (USFWS), March 2001. All three are being planned and implemented on similar timeframes and could have cumulative Presidio-wide effects.

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Building 649
Completed Document Type: Site Characterization Workplan
Completed Date: 02/23/2010
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Building 649
Completed Document Type: Site Characterization Workplan
Completed Date: 10/09/2007
Comments: Groundwater Sampling plan and proposed revisions were approved at the project status meeting, with field activities conducted in November and December 2007. Results report received in April 2008.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Merchant Road Fill Site
Completed Document Type: Site Summary Report
Completed Date: 05/28/2010
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 06/05/2008
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/10/2012
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/09/2011
Comments: With the exception of Building 937, no further action is required for the Crissy Field Area.

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Building 1827
Completed Document Type: Remedial Investigation Report
Completed Date: 10/06/1992
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 04/28/2011
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 05/03/2011
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Building 1827
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/28/2011
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Building 1827
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/28/2011
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Building 937
Completed Document Type: Design/Implementation Workplan
Completed Date: 11/07/2011
Comments: Not reported

Future Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Future Sub Area Name: CHP Pistol Range
Future Document Type: Removal Action Completion Report
Future Due Date: 2013
Future Area Name: RAP7-Miscellaneous Sites
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Future Area Name: RAP5d - Merchant Road Fill Site
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2013
Schedule Area Name: RAP1 Sites-Landfill 4 and Fill Site 5 - MULTIPLE SITES
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 01/31/2012
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Building 649
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 12/31/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites - MULTIPLE SITES
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/06/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Graded Area 9
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/30/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 10
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 05/31/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 02/28/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 10
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 07/31/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 8
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 07/31/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: CHP Pistol Range
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 10/08/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 8
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/30/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: CHP Pistol Range
Schedule Document Type: Design/Implementation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Schedule Due Date: 12/30/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Fill Site 6A
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 11/30/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Baker Beach Disturbed Area 1
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/23/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 12/31/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Baker Beach Disturbed Area 2A
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 03/18/2009
Schedule Revised Date: Not reported
Schedule Area Name: Army OU - PSHS Sites, Landfill 8, Landfill 10, and Building 1827
Schedule Sub Area Name: Building 1827
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 12/31/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Nike Facility
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 06/15/2012
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites - MULTIPLE SITES
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 06/30/2010
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 12/31/2009
Schedule Revised Date: Not reported
Schedule Area Name: RAP1 Sites-Landfill 4 and Fill Site 5 - MULTIPLE SITES
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/30/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Fill Site 6A
Schedule Document Type: Land Use Restriction
Schedule Due Date: 12/01/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Fill Site 6A
Schedule Document Type: Land Use Restriction
Schedule Due Date: 02/17/2012
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Schedule Area Name: Army OU - PSHS Sites, Landfill 8, Landfill 10, and Building 1827
Schedule Sub Area Name: Building 1827
Schedule Document Type: Certification
Schedule Due Date: 01/31/2012
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: State Response
Site Type Detailed: Closed Base
Acres: 1483
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay
Lead Agency: SMBRP
Program Manager: Robert Boggs
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Facility ID: 38970002
Site Code: 201239
Assembly: 13
Senate: 03
Special Program: Not reported
Status: Active
Status Date: 01/01/1991
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Other Non-Military Funds
Latitude: 37.79777
Longitude: -122.4716
APN: NONE SPECIFIED
Past Use: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, DEGREASING FACILITY, DRY CLEANING, EQUIPMENT/INSTRUMENT REPAIR, FIRING RANGE - SMALL ARMS ETC..., FUEL - AIRCRAFT STORAGE/ REFUELING, FUEL - VEHICLE STORAGE/ REFUELING, FUEL HYDRANT PUMPING STATIONS, HOSPITAL, INCINERATOR - MEDICAL, INCINERATOR - OTHER, LANDFILL - DOMESTIC, LAUNDRY SERVICES, MACHINE SHOP, OIL/WATER SEPARATORS, OPEN BURN/OPEN DETONATION, PAINT/DEPAINT FACILITY, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE, RAILROAD RIGHT OF WAY, RESEARCH - OTHER, RESEARCH - WEAPONS, RESIDENTIAL AREA, TRANSFER STATION, TRANSPORTATION - PIPELINE, VEHICLE MAINTENANCE, TRANSPORTATION - WAREHOUSING

Potential COC: 10087, 10177, 40001, 10076, 10002, 10199, 20017, 10061, 10028, 10097, 10138, 10003, 30001, 30002, 30003, 30004, 30005, 30006, 30007, 30008, 30013, 30014, 30018, 30019, 30022, 30024, 30025, 3002502, 30026, 30027, 30028, 30108, 30116, 30152, 30153, 30156, 30193, 30194, 30195, 30196, 30207, 30357, 30407, 30468, 30469, 30470, 30472, 30473, 30474, 30475, 30476, 30477, 30478, 30479, 30480, 30481, 30482, 30483, 30484, 30485, 30515, 30536, 30550, 30587, 30593, 30594

Confirmed COC: 30001,30002,30003,30004,30005,30006,30007,30008,30013,30014,30587, 30593,30594,30357,30407,30468,30469,30470,30472,30473,30474,30475, 30476,30477,30478,30479,30480,30481,30482,30483,30484,30485,30515, 30536,30018,30019,30022,30024,30025,30026,30027,30028,30108,30152, 30153,30156,30193,30194,30195,30196,30207,30550,30116,3002502

Potential Description: OTH, SED, SOIL, SV, IA
Alias Name: PRESIDIO OF SAN FRANCISCO
Alias Type: Alternate Name
Alias Name: PSF
Alias Type: Alternate Name
Alias Name: 110033612179

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Type:	EPA (FRS #)
Alias Name:	T0600192182
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192183
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192184
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192185
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192186
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192187
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192225
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192226
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192227
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192228
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192229
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192230
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192231
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192232
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192233
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192234
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192235
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192236
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192237
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192238
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192239
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192240
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192241
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192242
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192243
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192244
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192245
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192246
Alias Type:	GeoTracker Global ID

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Name:	T0600192247
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192248
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192249
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192250
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192251
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192252
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192253
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192254
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192255
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192256
Alias Type:	GeoTracker Global ID
Alias Name:	T0600192257
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392258
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392260
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392261
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392262
Alias Type:	GeoTracker Global ID
Alias Name:	T0601392263
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592188
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592218
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592219
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592220
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592221
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592264
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592265
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592266
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592267
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592268
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592269
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592270
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592271

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Type:	GeoTracker Global ID
Alias Name:	T0607592272
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592273
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592274
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592275
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592276
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592277
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592278
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592279
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592280
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592281
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592282
Alias Type:	GeoTracker Global ID
Alias Name:	T0607592283
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592189
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592222
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592223
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592284
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592285
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592286
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592287
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592288
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592289
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592290
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592291
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592292
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592293
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592294
Alias Type:	GeoTracker Global ID
Alias Name:	T0608592295
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592167
Alias Type:	GeoTracker Global ID

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Name:	T0609592168
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592169
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592170
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592171
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592172
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592173
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592174
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592175
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592176
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592177
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592178
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592179
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592180
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592181
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592296
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592297
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592298
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592299
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592300
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592301
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592302
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592303
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592304
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592305
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592306
Alias Type:	GeoTracker Global ID
Alias Name:	T0609592307
Alias Type:	GeoTracker Global ID
Alias Name:	T10000001302
Alias Type:	GeoTracker Global ID
Alias Name:	P23047
Alias Type:	PCode
Alias Name:	201239

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Alias Type: Project Code (Site Code)
Alias Name: 38970002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Certification
Completed Date: 01/21/2011
Comments: Certification for the Crissy Field Area with the exception of Building 937. Remedial Actions complete and no further action required (except Building 937 which requires additional remedial actions).

Completed Area Name: RAP2 Sites
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 04/26/2004
Comments: CEQA - OU2A -- Completed a CEQA studies, public and agency review for a Remedial Action Plan (RAP) for OU2A. The CEQA initial study addressed remediation at three sites within the Presidio (Baker Beach Disturbed Area 3 (BBDA3), Baker Beach Disturbed Area 4(BBDA4), and Fill Site 6A. The remedial actions at all three sites will consist of excavation and offsite disposal of the contaminated soils. Chemicals of Concern (COCs) at BBDA3 include Cadmium, Cobalt, Lead, Zinc, DDT, Chlordane, Dieldrin and PCBs. COCs at BBDA4 include Lead, Zinc, DDT, and Chlordane. COCs at fillsite 6A include Mercury and PCBs. Final forms were filed with the State Clearinghouse on April 26, 2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 05/03/1995
Comments: Completion of a CEQA Notice of Exemption (NOE) for a project that involves removal and disposal of transformer, oil switches which contain polychlorinated bi-phenyl (PCB) at seventeen (17) sites that are scattered throughout the Presidio of San Francisco. Six of these sites (A, D, F, H, I and J) are active (still in service), the (B, C, K, M, N, O, P, Q, R and S) are inactive, and one (G) belong to the active/inactive category. These electrical equipment are either mounted on poles or concrete pads.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 02/27/1997
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: * CEQA
Completed Date: 03/31/1997
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: Certification
Completed Date: 12/19/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: * CEQA
Completed Date: 04/16/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/30/1999
Comments: ORDER - BSWD -- The Consent Agreement is entered into by Department of Toxic Substances Control, the Presidio Trust, and the U.S. Department of Interior, National Park Service to provide for the remediation of hazardous substances at the Presidio of San Francisco. RA - OU2PC -- The Main Installation PCB removal has been completed for sites 1153 and 680 in August 1998 with the report submitted in Feb. 1999. These finding will be included in the Main Installation FS/RAP with the recommendation of "No Further Action".

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Building 649
Completed Document Type: Site Characterization Workplan
Completed Date: 01/10/2012
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Not reported
Completed Document Type: *Action Memorandum (if <\$1M)
Completed Date: 01/30/1997
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/24/2000
Comments: RMDL-Former DEH Yard. Completion of remedial activities for the Former Directorate of Engineering and Housing Area. The cleanup action involves excavation and off-site disposal of soil contaminated with inorganics and pesticides. The RAP also calls for long term ground water monitoring at the site.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Remedial Action Plan
Completed Date: 04/16/1998
Comments: RAP-CFA: Completion of a Remedial Action Plan for the Presidio's Crissy Field. The cleanup action involves excavation and off-site disposal of soil contaminated with organics and inorganics above cleanup action levels. The proposed action also calls for ground-water to ensure protection of the San Francisco Bay. Approximate cost = \$5 M; funding = BRAC I RAW-640: Completion of a Removal Action Workplan for on-site excavation and off-site disposal of lead contaminated soil at Buildings 640 & 643 areas. These areas are located in the center of Crissy Field an encompasses an area of approximately .5 acres. Constructed in the 1920s, both buildings were

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

originally used as airplane hangers. The Army also occupied building 640 for vehicle maintenance, while building 643 for maintenance of electronic equipment. Approximate cost = \$98,000; funding = BRAC I RAW-950: Completion of a Removal Action Workplan for on-site excavation and off-site disposal of lead contaminated soil at Building 950 area. Building 950, formerly located at the westernmost end of Crissy Field, were demolished along with the adjacent buildings nearby (i.e., 949, 973, and 974) by the National Park Service in 1996. These buildings were open structures that were used for storage of chemicals, paint materials, vehicles and equipment. Approximate cost = \$400,000; funding = BRAC I RAW-923: Completion of a Removal Action Workplan for on-site excavation and off-site disposal of lead contaminated soil at Buildings 923-937 areas. These areas are located in the south- western portion of Crissy Field and encompasses an area of approximately 1.0 acre. These buildings had been used by the Army for a variety of vehicle, aircraft, and electronic equipment maintenance activities. Approximate cost = \$200,000.00; funding BRAC I.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 08/30/1996
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: Remedial Action Plan
Completed Date: 03/31/1997
Comments: Not reported

Completed Area Name: OU-Petroleum Sites
Completed Sub Area Name: 1349P
Completed Document Type: Removal Action Completion Report
Completed Date: 10/30/1996
Comments: Not reported

Completed Area Name: OU-Petroleum Sites
Completed Sub Area Name: 1349P
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/21/1996
Comments: Not reported

Completed Area Name: RAP2 Sites
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 03/18/2004
Comments: RAP - OU2A -- Completed a Remedial Action Plan (RAP for OU2A. This RAP addresses remediation at three sites within the Presidio (Baker Beach Disturbed Area 3 (BBDA3), Baker Beach Disturbed Area 4 (BBDA4), and Fill Site 6A. The remedial actions at all three sites will consist of excavation and offsite disposal of the contaminated soils. Chemicals of Concern (COCs) at BBDA3 include Cadmium, Cobalt, Lead, Zinc DDT, Chlordane, Dieldrin, and PCBs. (COCs at BBDA4 include Lead, Zinc, DDT, and Chlordane. COCs at Fillsite 6A include Mercury and PCBS.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Building 937
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/24/1995
Comments: Site investigation conducted at Building 1349, a 100,000 gallon aboveground fuel oil storage tank, located at the western side of the Presidio. The SI recommends further investigation and removal of the tank, dispensing structures and piping. The SI also recommends the removal of concrete containment pad, fence and 50 cubic yards of contaminated soil. A corrective action plan pursuant to the California Health and Safety code and Water code will be prepared by the Army to cleanup the contamination at the site. Volume Treated, Stabilized or Disposed: Approximately 50 yards of contaminated soil and debris from Site 1349 will be excavated and disposed of to an appropriate disposal facility.

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/16/1993
Comments: RA - OU2 -- Completed. Removal of 9 tanks and an oil/water separator. Approximate cost = \$424,700; Funding = DSMOA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/04/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1992
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Building 937
Completed Document Type: Site Characterization Workplan
Completed Date: 10/14/2009
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: DEH
Completed Document Type: Remedial Action Plan Amendment
Completed Date: 08/22/2004
Comments: Report Accepted, site to be submitted for certification of removal action, and NFA after groundwater monitoring is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Archive Search Report (ASR)
Completed Date: 03/26/1990
Comments: Site Screening Done: The site occupies approximately 1,800 acres. There are known hydrocarbon releases in groundwater and soil. The site needs to be further characterized and mitigated. Locations and status of more than 200 underground storage tanks need to be confirmed. The site needs extensive remedial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

investigation/feasibility study (RIFS).

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Area A Sites - BBDA1, 1A, 2, 2A
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/05/2006
Comments: Work plan reviewed and approved on an expedited schedule. Field work currently under way with results report expected spring 2007.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Nike Facility
Completed Document Type: Remedial Investigation Report
Completed Date: 11/28/2007
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Baker Beach Disturbed Area 1
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/08/2007
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Baker Beach Disturbed Area 1A
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/07/2007
Comments: Document approved.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Baker Beach Disturbed Area 2A
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/08/2007
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 8
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/15/2008
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 10
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/15/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/18/2007
Comments: DTSC memorialized approval of the RAP for Baker Beach 1 and 2A and 27 other sites by signing the RAP. The signature page is found under RP FINAL.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 1351 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Nike Facility
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Nike Swale
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Transfer Station Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 1167 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Approved design for shallow excavation and off site disposal

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 662 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 669
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Sewer Lift Station #1
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 633 Firing Range
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Building 680 Area
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Sub Area Name: Former Railroad Tracks
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Former Coal Storage Bin
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Graded Area 9
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: OU-Petroleum Sites
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/13/2007
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 10
Completed Document Type: Base / Site Management Plan
Completed Date: 07/27/2008
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Landfill 10
Completed Document Type: Feasibility Study Report
Completed Date: 11/12/2008
Comments: DTSC provided verbal concurrence that alternatives evaluated in the FS are adequate for inclusion in a RAP to be submitted for public review and comment.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Area A Sites - BBDA1, 1A, 2, 2A
Completed Document Type: Site Characterization Report
Completed Date: 11/11/2006
Comments: Accepted report with conditions.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 01/17/2008
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 09/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Document Type: Environmental Review
Completed Date: 01/04/2012
Comments: Not reported

Completed Area Name: RAP3 - Main Installation Sites - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/09/2011
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Finding of Suitability to Lease
Completed Date: 10/07/2009
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Building 937
Completed Document Type: Site Characterization Report
Completed Date: 05/16/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence - Received
Completed Date: 11/16/2001
Comments: The Presidio Trust (Trust) and the National Park Service (NPS) have adjacent jurisdictions in the Presidio of San Francisco, part of the Golden Gate National Recreation Area (GGNRA) with 5 federally listed plant species. This Biological Assessment addresses 2 Presidio-wide planning efforts which the Trust and the NPS are coordinating and implementing jointly. These projects are the Draft Trails and Bikeways Master Plan and the Draft Environmental Remediation Program. The third project addressed in this Biological Assessment is the Draft Presidio Trust Implementation Plan, the planning document for Area B of the Presidio, the interior 80% of the park managed by the Presidio Trust. The Draft Presidio Trust Implementation Plan is an update to the NPS's 1994 General Management Plan Amendment. These three plans - the Draft Trails and Bikeways Master Plan, Draft Environmental Remediation Program, and Draft Presidio Trust Implementation Plan - are presented together at the request of the U.S. Fish and Wildlife Service (USFWS), March 2001. All three are being planned and implemented on similar timeframes and could have cumulative Presidio-wide effects.

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Building 649
Completed Document Type: Site Characterization Workplan
Completed Date: 02/23/2010
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Building 649
Completed Document Type: Site Characterization Workplan
Completed Date: 10/09/2007
Comments: Groundwater Sampling plan and proposed revisions were approved at the project status meeting, with field activities conducted in November

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

and December 2007. Results report received in April 2008.

Completed Area Name: RAP3 - Main Installation Sites
Completed Sub Area Name: Merchant Road Fill Site
Completed Document Type: Site Summary Report
Completed Date: 05/28/2010
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 06/05/2008
Comments: Not reported

Completed Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/10/2012
Comments: Not reported

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: CFA
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/09/2011
Comments: With the exception of Building 937, no further action is required for the Crissy Field Area.

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Building 1827
Completed Document Type: Remedial Investigation Report
Completed Date: 10/06/1992
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 04/28/2011
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 05/03/2011
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Building 1827
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/28/2011
Comments: Not reported

Completed Area Name: Army OU - PHSH Sites, Landfill 8, Landfill 10, and Building 1827
Completed Sub Area Name: Building 1827
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/28/2011
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Completed Area Name: RAP0 - Army sites- DEH and Crissy Field Area
Completed Sub Area Name: Building 937
Completed Document Type: Design/Implementation Workplan
Completed Date: 11/07/2011
Comments: Not reported

Future Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Future Sub Area Name: CHP Pistol Range
Future Document Type: Removal Action Completion Report
Future Due Date: 2013

Future Area Name: RAP7-Miscellaneous Sites
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2015

Future Area Name: RAP5d - Merchant Road Fill Site
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2013

Schedule Area Name: RAP1 Sites-Landfill 4 and Fill Site 5 - MULTIPLE SITES
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 01/31/2012
Schedule Revised Date: Not reported

Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Building 649
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 12/31/2011
Schedule Revised Date: Not reported

Schedule Area Name: RAP3 - Main Installation Sites - MULTIPLE SITES
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/06/2010
Schedule Revised Date: Not reported

Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Graded Area 9
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/30/2011
Schedule Revised Date: Not reported

Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 10
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 05/31/2011
Schedule Revised Date: Not reported

Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 02/28/2010
Schedule Revised Date: Not reported

Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 10
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 07/31/2010
Schedule Revised Date: Not reported

Schedule Area Name: RAP4 Sites- PHSH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 8
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 07/31/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PSHH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: CHP Pistol Range
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 10/08/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PSHH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: Landfill 8
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/30/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP4 Sites- PSHH-Public Health Services Hospital and Firing Ranges
Schedule Sub Area Name: CHP Pistol Range
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 12/30/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Fill Site 6A
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 11/30/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Baker Beach Disturbed Area 1
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/23/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 12/31/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Baker Beach Disturbed Area 2A
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 03/18/2009
Schedule Revised Date: Not reported
Schedule Area Name: Army OU - PSHH Sites, Landfill 8, Landfill 10, and Building 1827
Schedule Sub Area Name: Building 1827
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 12/31/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP3 - Main Installation Sites
Schedule Sub Area Name: Nike Facility
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 06/15/2012
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites - MULTIPLE SITES
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 06/30/2010
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 12/31/2009
Schedule Revised Date: Not reported
Schedule Area Name: RAP1 Sites-Landfill 4 and Fill Site 5 - MULTIPLE SITES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESIDIO OF SAN FRANCISCO (Continued)

S101272860

Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/30/2010
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Fill Site 6A
Schedule Document Type: Land Use Restriction
Schedule Due Date: 12/01/2011
Schedule Revised Date: Not reported
Schedule Area Name: RAP2 Sites
Schedule Sub Area Name: Fill Site 6A
Schedule Document Type: Land Use Restriction
Schedule Due Date: 02/17/2012
Schedule Revised Date: Not reported
Schedule Area Name: Army OU - PHS Sites, Landfill 8, Landfill 10, and Building 1827
Schedule Sub Area Name: Building 1827
Schedule Document Type: Certification
Schedule Due Date: 01/31/2012
Schedule Revised Date: Not reported

5
South
1/2-1
0.865 mi.
4566 ft.

SAN FRANCISCO NIKE BATTERY 89
SAN FRANCISCO, CA

FUDS 1007211916
N/A

Relative:
Higher

FUDS:
Federal Facility ID: CA9799F5857
FUDS #: J09CA0942
INST ID: 57516
Facility Name: San Francisco Nike Battery 89
City: SAN FRANCISCO
State: CA
EPA Region: 9
County: SAN FRANCISCO
Congressional District: 12
US Army District: Sacramento District (SPK)
Fiscal Year: 2009
Telephone: 916-557-7461
NPL Status: Not Listed
RAB: Not reported
CTC: 27.33034
Current Owner: FEDERAL; PRIVATE; STATE

Actual:
278 ft.

FUDS Description Details:

The 6.22-acre site was originally constructed in two areas. The Facility and Launcher Area were located at Fort Scott within the Presidio Military Reservation in the city of San Francisco, California. The Integrated Fire Control (IFC) facility was located on Mt. Sutro approximately 2.6 miles south of the Launcher Area. The Army currently uses the Launcher area for storage, military use and open space; therefore, it is not eligible for funding under the FUDS program. The current use of the IFC A Area is predominantly open space.

FUDS History Details:

The IFC are contained 6.22 acres and was acquired by the U.S. through two leases. The first 6.11 acres were acquired through a lease with

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FRANCISCO NIKE BATTERY 89 (Continued)

1007211916

the Regents of the University of California on 7 June 1955. The remaining 0.11 acres were acquired through a license with Kirkham Heights Company for a sewer pipeline and electrical power line on 1 November 1954. The Launcher Area is located in the Presidio Military Reservation of San Francisco, which is still owned and maintained by the Department of Defense (DoD). On 29 October 1959, the U.S. relinquished 1.14 acres of the IFC area to the University of California and the lease for the remaining 4.97 acres was terminated on 15 March 1963. The Government served a written notice of cancellation of the license for 0.11 acres on 15 March 1963. No potential hazards have currently been located at the site.

FUDS Current Program Details:

FUDS Future Program Details:

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN FRANCISCO	1000593931		PIER 50		RCRA-SQG,CHMIRS,HAZNET,FINDS
SAN FRANCISCO	1004443277	GOLDEN GATE BRIDGE AND TRANSIT DIS	GOLDEN GATE BRIDGE TOLL PLAZA	94129	FINDS
SAN FRANCISCO	1007199723	GOLDEN GATE BRIDGE	P.O. BOX 9000 PRESIDIO STATIO	94129	RCRA-LQG,WDS
SAN FRANCISCO	2000522620	BENICIA MARTINEZ BRIDGE	BENICIA MARTINEZ BRIDGE	0	ERNS
SAN FRANCISCO	2000670343	SAN RAFAEL BRIDGE	SAN RAFAEL BRIDGE		ERNS
SAN FRANCISCO	2002597263	GATE 21	GATE 21	0	ERNS
SAN FRANCISCO	2002623464	GATE 31	GATE 31	0	ERNS
SAN FRANCISCO	2004710201	4TH STREET BRIDGE	4TH STREET BRIDGE		ERNS
SAN FRANCISCO	2008875457	4TH STREET BRIDGE	4TH STREET BRIDGE		ERNS
SAN FRANCISCO	2008896466	SOUTH OF THE SAN MATEO BRIDGE	SOUTH OF THE SAN MATEO BRIDGE		ERNS
SAN FRANCISCO	2009896466	SOUTH OF THE SAN MATEO BRIDGE	SOUTH OF THE SAN MATEO BRIDGE		ERNS
SAN FRANCISCO	2010930523	SOUTH BAY, SOUTH OF THE BAY BRIDGE	SOUTH BAY, SOUTH OF THE BAY BR		ERNS
SAN FRANCISCO	2010961941	NEAR GOLDEN GATE BRIDGE	NEAR GOLDEN GATE BRIDGE		ERNS
SAN FRANCISCO	2011969335	UNDER THE BAY BRIDGE, AT THE INTER	UNDER THE BAY BRIDGE, AT THE I		ERNS
SAN FRANCISCO	90167389	PIER 2 - GOLDEN GATE TERMINAL FERR	PIER 2 - GOLDEN GATE TERMINAL		ERNS
SAN FRANCISCO	S103678908	CALTRANS 3RD ST BRIDGE SAN FRA	HWY 101 AT 3RD ST	00000	HAZNET
SAN FRANCISCO	S105026199	GOLDEN GATE BRIDGE	TOLL PLAZA HWY 101	94129	HIST CORTESE
SAN FRANCISCO	S109928640	GOLDEN GATE BRIDGE	1387 STOREY AVE	94129	HAZNET
SAN FRANCISCO	S110653107	PRESIDIO OF SAN FRANCISCO/MOUNTAIN	HIGHWAY 1 AND PACIFIC AVENUE	94129	ENVIROSTOR
SAN FRANCISCO	U003903327	COAST GUARD	1 MARINE DR		UST ALAMEDA

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 10/03/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-267-2180
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 03/14/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/15/2012	Telephone: 916-323-3400
Date Made Active in Reports: 04/02/2012	Last EDR Contact: 03/15/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/21/2012
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/14/2012
Date Data Arrived at EDR: 03/15/2012
Date Made Active in Reports: 04/02/2012
Number of Days to Update: 18

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/15/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/20/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/29/2012
Number of Days to Update: 38

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 01/20/2012
Date Data Arrived at EDR: 01/20/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 32

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/21/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 4: Underground Storage Tank Leak List

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

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004

Date Data Arrived at EDR: 02/26/2004

Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 01/20/2012

Date Data Arrived at EDR: 01/20/2012

Date Made Active in Reports: 02/21/2012

Number of Days to Update: 32

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 03/21/2012

Next Scheduled EDR Contact: 07/02/2012

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003

Date Data Arrived at EDR: 04/07/2003

Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006

Date Data Arrived at EDR: 05/18/2006

Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147

Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004

Date Data Arrived at EDR: 11/18/2004

Date Made Active in Reports: 01/04/2005

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600

Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-8677
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/07/2011	Telephone: 415-972-3372
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011	Source: EPA Region 10
Date Data Arrived at EDR: 11/04/2011	Telephone: 206-553-2857
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 02/03/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/23/2012
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 11/21/2011	Telephone: 913-551-7003
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/20/2012	Source: SWRCB
Date Data Arrived at EDR: 01/20/2012	Telephone: 916-341-5851
Date Made Active in Reports: 02/22/2012	Last EDR Contact: 03/21/2012
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/02/2012
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 01/23/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/23/2012
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 02/03/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/23/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011	Source: EPA Region 10
Date Data Arrived at EDR: 11/04/2011	Telephone: 206-553-2857
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 11/21/2011	Telephone: 913-551-7003
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011	Source: EPA Region 9
Date Data Arrived at EDR: 11/29/2011	Telephone: 415-972-3368
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-9424
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011	Source: EPA Region 5
Date Data Arrived at EDR: 08/26/2011	Telephone: 312-886-6136
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/10/2012
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/14/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/15/2012	Telephone: 916-323-3400
Date Made Active in Reports: 04/02/2012	Last EDR Contact: 03/15/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/21/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 10/04/2011	Telephone: 617-918-1102
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/27/2011	Telephone: 202-566-2777
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/26/2012
Number of Days to Update: 137	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 02/13/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/28/2012
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/12/2011	Source: Department of Conservation
Date Data Arrived at EDR: 12/19/2011	Telephone: 916-323-3836
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 03/21/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/02/2012
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 01/20/2012	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 01/24/2012	Telephone: 916-341-6422
Date Made Active in Reports: 02/21/2012	Last EDR Contact: 04/02/2012
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 02/06/2012
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/21/2012
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 10/07/2011	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/09/2011	Telephone: 202-307-1000
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/06/2012
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/18/2012
	Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/14/2012
Date Data Arrived at EDR: 03/15/2012
Date Made Active in Reports: 04/02/2012
Number of Days to Update: 18

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/15/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/14/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 12/05/2012
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/18/2012
	Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-564-6023
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/03/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/12/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/13/2012	Telephone: 916-323-3400
Date Made Active in Reports: 04/02/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/12/2012
Date Data Arrived at EDR: 03/13/2012
Date Made Active in Reports: 04/02/2012
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/13/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 05/03/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 43

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 01/20/2012
Date Data Arrived at EDR: 01/20/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 32

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/21/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 01/20/2012
Date Data Arrived at EDR: 01/20/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 32

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/21/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/10/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2012	Telephone: (415) 495-8895
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/04/2012
Number of Days to Update: 67	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/09/2011	Telephone: 202-366-4595
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 02/07/2012
Number of Days to Update: 94	Next Scheduled EDR Contact: 05/21/2012
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/12/2012
Number of Days to Update: 112	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/01/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/25/2012	Telephone: Varies
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/02/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 09/28/2011	Source: EPA
Date Data Arrived at EDR: 12/14/2011	Telephone: 703-416-0223
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/14/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/28/2012
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 03/07/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/18/2012
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/28/2012
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2012
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Every 4 Years

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

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/27/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/27/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/26/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 98	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/12/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/12/2012	Telephone: 202-343-9775
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (415) 947-8000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 03/13/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/27/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/20/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/29/2012
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/03/2012
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 16

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 01/19/2012	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 01/19/2012	Telephone: 916-327-4498
Date Made Active in Reports: 02/21/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 04/02/2012
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/15/2011	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/23/2011	Telephone: 916-445-9379
Date Made Active in Reports: 10/03/2011	Last EDR Contact: 02/20/2012
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2010	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/19/2011	Telephone: 916-255-1136
Date Made Active in Reports: 08/16/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008	Source: California Air Resources Board
Date Data Arrived at EDR: 09/29/2010	Telephone: 916-322-2990
Date Made Active in Reports: 10/18/2010	Last EDR Contact: 03/30/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 04/23/2012
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/06/2012
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: N/A

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/22/2012	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/24/2012	Telephone: 916-341-6066
Date Made Active in Reports: 04/04/2012	Last EDR Contact: 02/20/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/01/2007	Telephone: 916-255-3628
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/03/2012
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/03/2012
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/16/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/16/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/11/2010	Telephone: 916-323-3400
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 12/02/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/18/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/18/2012	Telephone: 916-440-7145
Date Made Active in Reports: 02/21/2012	Last EDR Contact: 04/12/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/12/2011	Source: Department of Conservation
Date Data Arrived at EDR: 12/19/2011	Telephone: 916-323-3836
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 03/21/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/02/2012
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/24/2012	Source: Department of Public Health
Date Data Arrived at EDR: 03/13/2012	Telephone: 916-558-1784
Date Made Active in Reports: 04/02/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/12/2012
Date Data Arrived at EDR: 01/13/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 39

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/12/2012
Date Data Arrived at EDR: 01/13/2012
Date Made Active in Reports: 02/24/2012
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 11/29/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 14

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/07/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 03/16/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/29/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 35

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/10/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/23/2012
Date Data Arrived at EDR: 01/24/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 28

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/24/2012
Next Scheduled EDR Contact: 08/06/2012
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 11/17/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011	Source: Community Health Services
Date Data Arrived at EDR: 02/02/2012	Telephone: 323-890-7806
Date Made Active in Reports: 02/21/2012	Last EDR Contact: 04/16/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/06/2012
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/23/2012	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 01/25/2012	Telephone: 310-524-2236
Date Made Active in Reports: 02/22/2012	Last EDR Contact: 04/17/2012
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/06/2012
	Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 03/05/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/16/2012	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 01/18/2012	Telephone: 310-618-2973
Date Made Active in Reports: 02/22/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/13/2012	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 01/24/2012	Telephone: 415-499-6647
Date Made Active in Reports: 02/22/2012	Last EDR Contact: 04/09/2012
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 12/06/2011	Telephone: 707-253-4269
Date Made Active in Reports: 02/07/2012	Last EDR Contact: 03/05/2012
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/18/2012
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 4

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/01/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 4

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 04/03/2012
Number of Days to Update: 46

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/19/2012
Date Data Arrived at EDR: 03/19/2012
Date Made Active in Reports: 04/04/2012
Number of Days to Update: 16

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/26/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 26

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2012	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/26/2012	Telephone: 951-358-5055
Date Made Active in Reports: 02/24/2012	Last EDR Contact: 12/21/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/26/2012
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/02/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/12/2011	Telephone: 916-875-8406
Date Made Active in Reports: 11/08/2011	Last EDR Contact: 04/09/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/14/2011	Telephone: 916-875-8406
Date Made Active in Reports: 11/08/2011	Last EDR Contact: 04/09/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/01/2012	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 03/01/2012	Telephone: 909-387-3041
Date Made Active in Reports: 03/27/2012	Last EDR Contact: 02/13/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/28/2012
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/09/2010	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/15/2010	Telephone: 619-338-2268
Date Made Active in Reports: 09/29/2010	Last EDR Contact: 03/16/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 39

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/18/2012
Date Made Active in Reports: 02/22/2012
Number of Days to Update: 35

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/17/2012
Date Data Arrived at EDR: 01/17/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 35

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/15/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 35

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/05/2012
Date Data Arrived at EDR: 03/07/2012
Date Made Active in Reports: 03/27/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 03/05/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 4

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/19/2011
Date Data Arrived at EDR: 01/06/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 12/19/2011
Date Data Arrived at EDR: 01/17/2012
Date Made Active in Reports: 02/24/2012
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Quarterly

SONOMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/05/2011	Source: Department of Health Services
Date Data Arrived at EDR: 04/06/2011	Telephone: 707-565-6565
Date Made Active in Reports: 05/12/2011	Last EDR Contact: 04/02/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/12/2012	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 03/13/2012	Telephone: 530-822-7500
Date Made Active in Reports: 04/03/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 02/03/2012	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 02/22/2012	Telephone: 805-654-2813
Date Made Active in Reports: 03/29/2012	Last EDR Contact: 02/20/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 04/09/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/20/2012
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/27/2011	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 02/03/2012	Telephone: 805-654-2813
Date Made Active in Reports: 02/21/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/19/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/17/2012	Last EDR Contact: 03/21/2012
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/02/2012
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/28/2011	Source: Yolo County Department of Health
Date Data Arrived at EDR: 01/06/2012	Telephone: 530-666-8646
Date Made Active in Reports: 01/17/2012	Last EDR Contact: 03/26/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Annually

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/20/2012	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/20/2012	Telephone: 860-424-3375
Date Made Active in Reports: 03/15/2012	Last EDR Contact: 02/20/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/20/2011	Telephone: N/A
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/10/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/09/2012	Telephone: 518-402-8651
Date Made Active in Reports: 03/09/2012	Last EDR Contact: 02/09/2012
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/21/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/26/2012
Date Made Active in Reports: 03/06/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/23/2012
Next Scheduled EDR Contact: 08/06/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Annually

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

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GOLDEN GATE BRIDGE MOVABLE BARRIER
GOLDEN GATE BRIDGE
SAN FRANCISCO, CA 94129

TARGET PROPERTY COORDINATES

Latitude (North):	37.8069 - 37° 48' 24.84"
Longitude (West):	122.4758 - 122° 28' 32.88"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	546145.1
UTM Y (Meters):	4184314.8
Elevation:	192 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37122-G4 SAN FRANCISCO NORTH, CA
Most Recent Revision:	1999

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

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

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

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

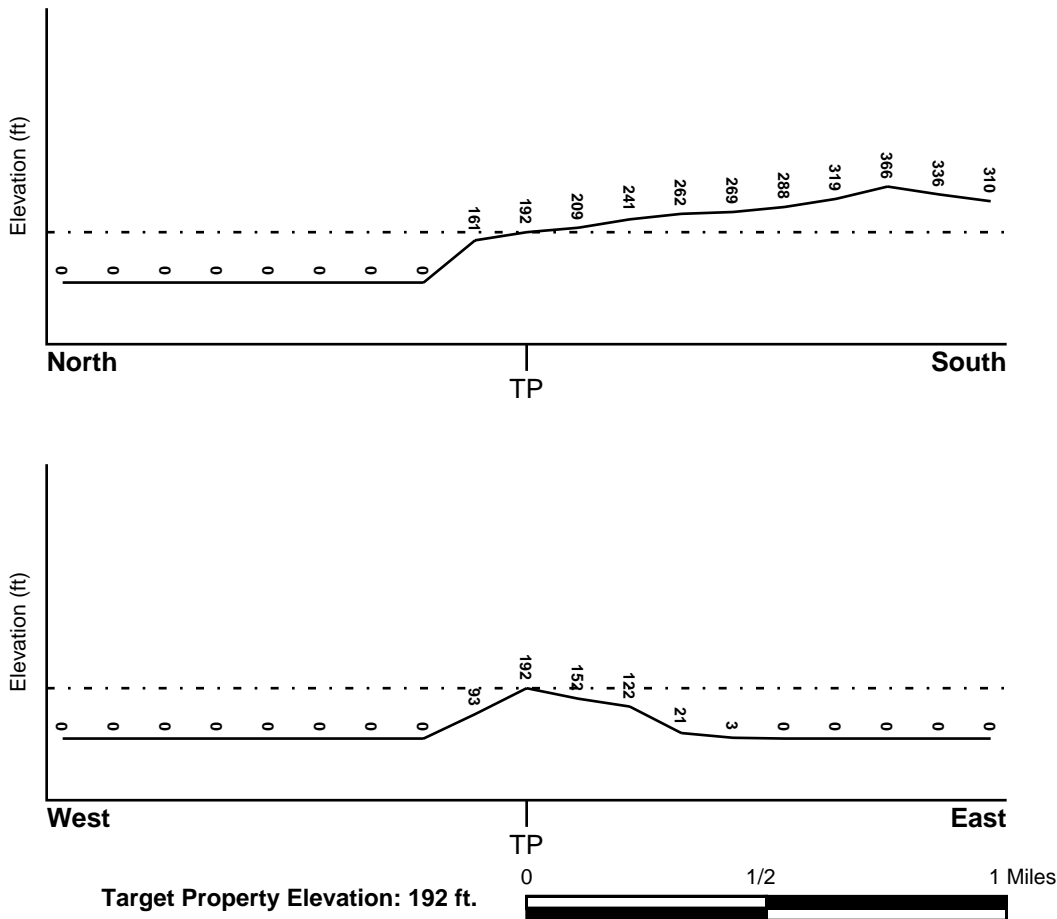
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

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

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SE
Site Name:	Presidio Of San Francisco
Site EPA ID Number:	CA7210020791
Groundwater Flow Direction:	USUALLY TOWARDS SAN FRANCISCO BAY OR THE PACIFIC OCEAN, FOLLOWING THE UNWEATHERED BEDROCK SURFACE.
Measured Depth to Water:	0.5 foot to 80 feet.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifer(s) underlying the site.
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: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tp <i>(decoded above as Era, System & Series)</i>

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

SSURGO SOIL MAP - 03310759.2r



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Golden Gate Bridge Movable Barrier
ADDRESS: Golden Gate Bridge
San Francisco CA 94129
LAT/LONG: 37.8069 / 122.4758

CLIENT: AECOM
CONTACT: Carmen Goodell
INQUIRY #: 03310759.2r
DATE: April 30, 2012 9:11 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Urban land

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

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Typic Argiustolls

Soil Surface Texture: sandy clay loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6 Min: 5.1
2	11 inches	37 inches	sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6 Min: 5.1
3	37 inches	59 inches	sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6 Min: 5.1

Soil Map ID: 3

Soil Component Name: Orthents

Soil Surface Texture: variable

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:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: Orthents

Soil Surface Texture:

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

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches		Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture:
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:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 6

Soil Component Name: Sirdrak

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1
2	16 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

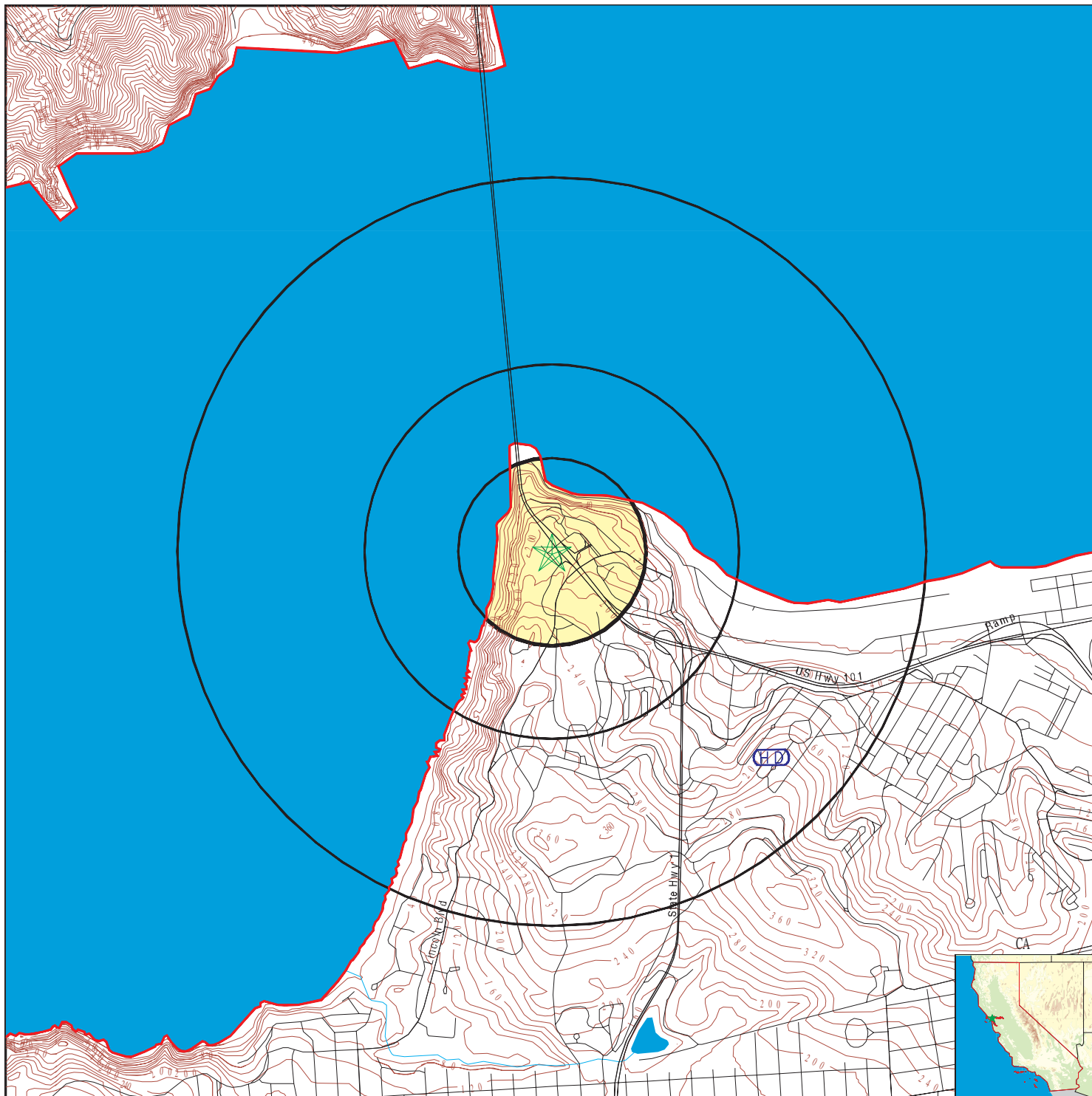
MAP ID	WELL ID	LOCATION FROM TP
<u> </u>	<u> </u>	<u> </u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

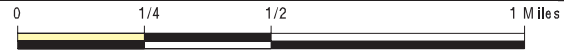
MAP ID	WELL ID	LOCATION FROM TP
<u> </u>	<u> </u>	<u> </u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 03310759.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



<p>SITE NAME: Golden Gate Bridge Movable Barrier ADDRESS: Golden Gate Bridge San Francisco CA 94129 LAT/LONG: 37.8069 / 122.4758</p>	<p>CLIENT: AECOM CONTACT: Carmen Goodell INQUIRY #: 03310759.2r DATE: April 30, 2012 9:11 am</p>
---	---

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94129	10	1

Federal EPA Radon Zone for SAN FRANCISCO County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN FRANCISCO COUNTY, CA

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.636 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.500 pCi/L	100%	0%	0%
Basement	0.360 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Appendix C2: Historical Aerial Photographs



Golden Gate Bridge Movable Barrier

Golden Gate Bridge

San Francisco, CA 94129

Inquiry Number: 3310759.5

May 02, 2012

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from 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 ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2012 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 its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography May 02, 2012

Target Property:

Golden Gate Bridge

San Francisco, CA 94129

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1956	Aerial Photograph. Scale: 1"=655'	Flight Year: 1956	Clyde Sunderland
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1977	Aerial Photograph. Scale: 1"=550'	Flight Year: 1977	NASA
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1993	EDR
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR

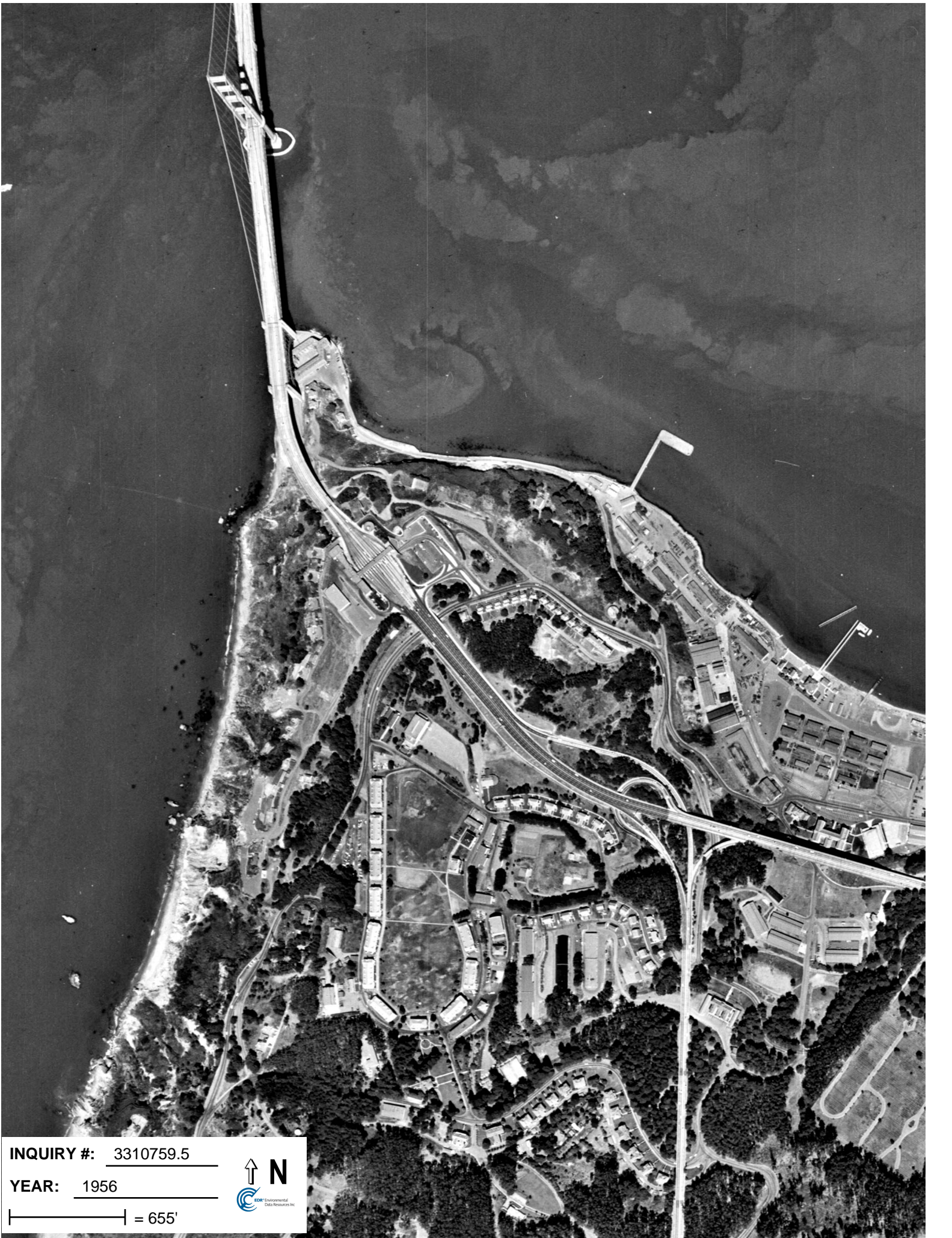


INQUIRY #: 3310759.5

YEAR: 1946

| = 655'



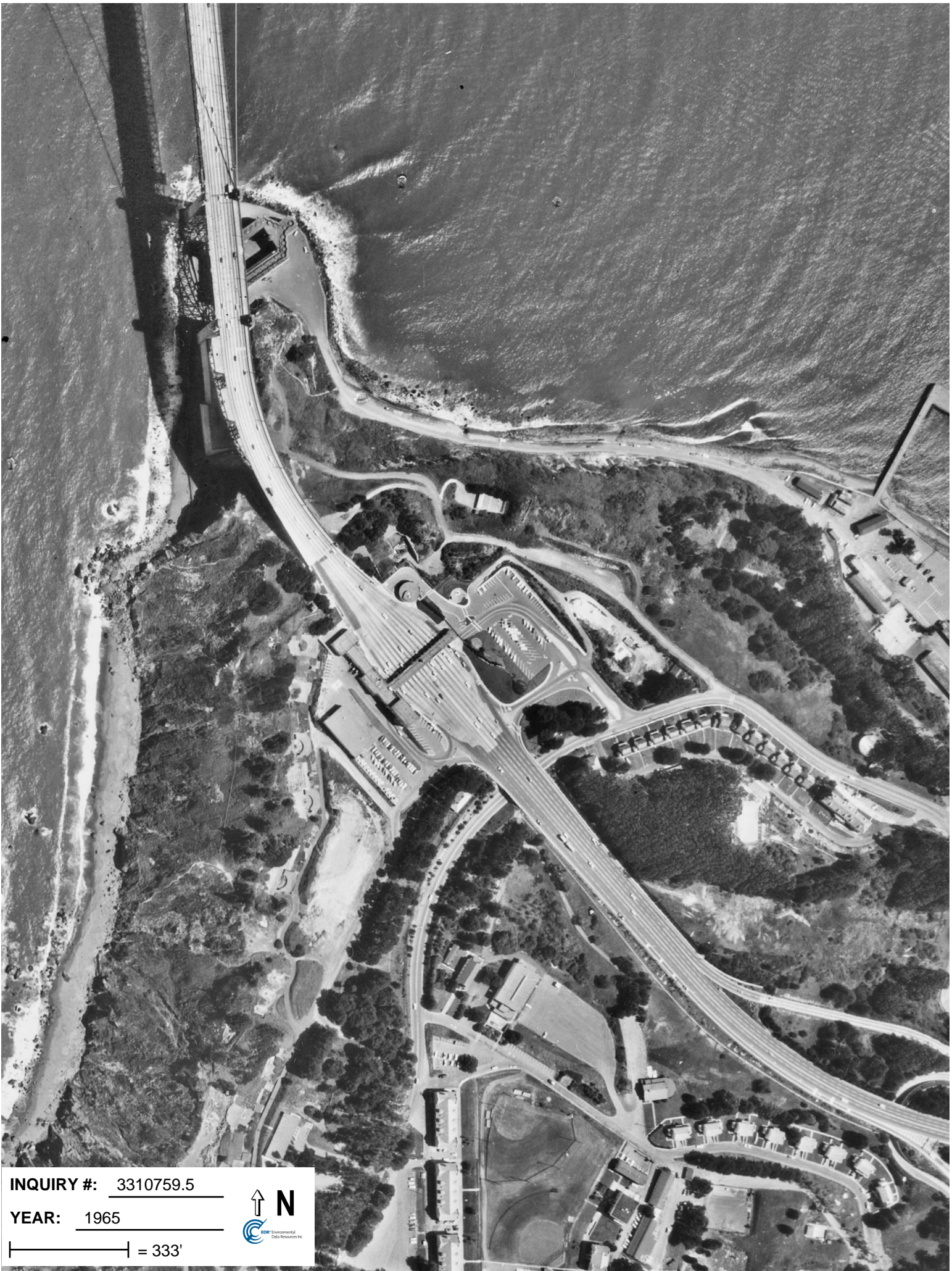


INQUIRY #: 3310759.5

YEAR: 1956

| = 655'





INQUIRY #: 3310759.5

YEAR: 1965

| = 333'



EDI Environmental Data Resources Inc.



INQUIRY #: 3310759.5

YEAR: 1977

| = 550'





INQUIRY #: 3310759.5

YEAR: 1982

| = 690'



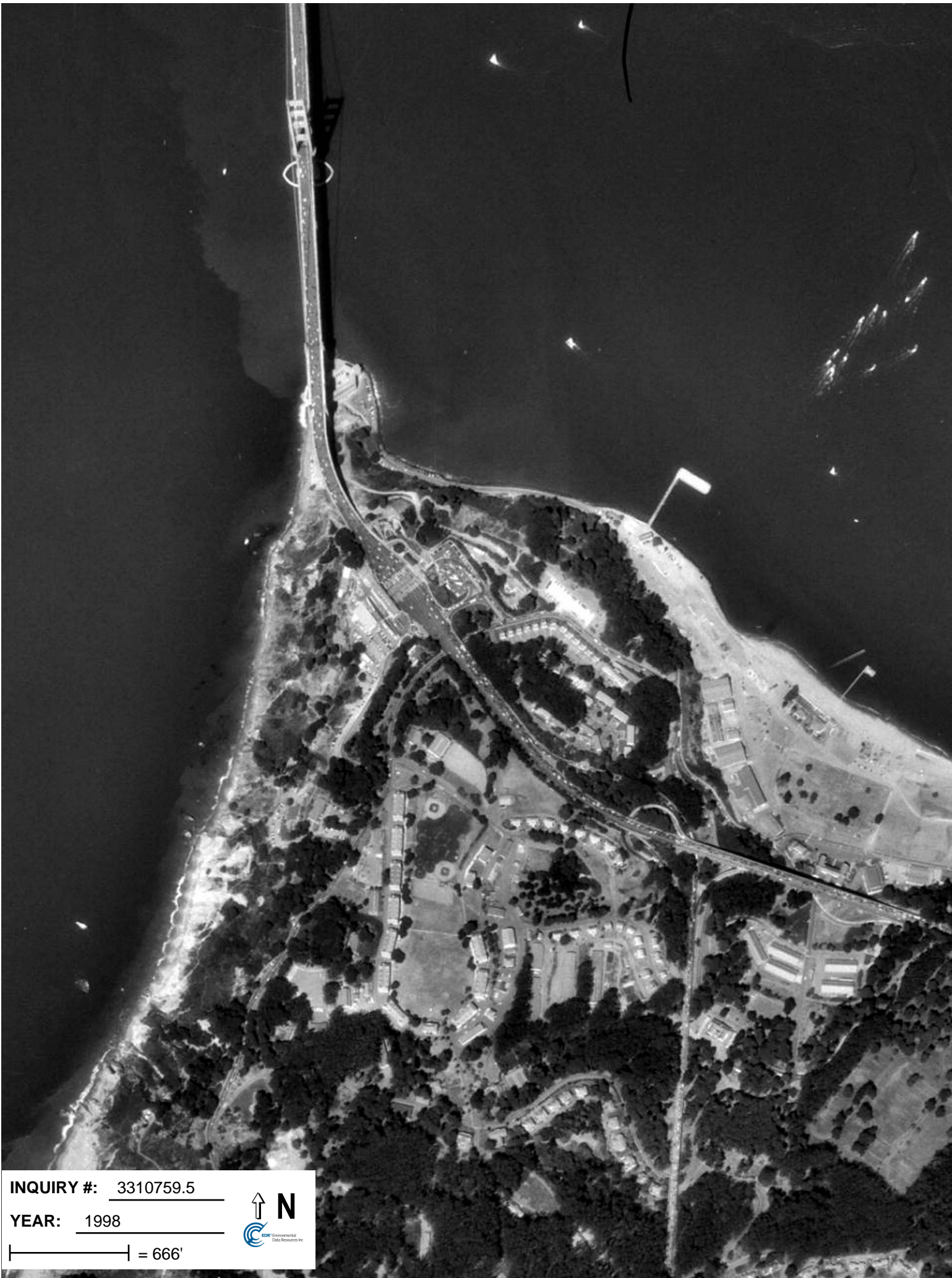


INQUIRY #: 3310759.5

YEAR: 1993

| = 500'





INQUIRY #: 3310759.5

YEAR: 1998

| = 666'





INQUIRY #: 3310759.5

YEAR: 2005

| = 500'



Appendix C3: Historical Topographic Maps



Golden Gate Bridge Movable Barrier

Golden Gate Bridge

San Francisco, CA 94129

Inquiry Number: 3310759.4

April 30, 2012

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

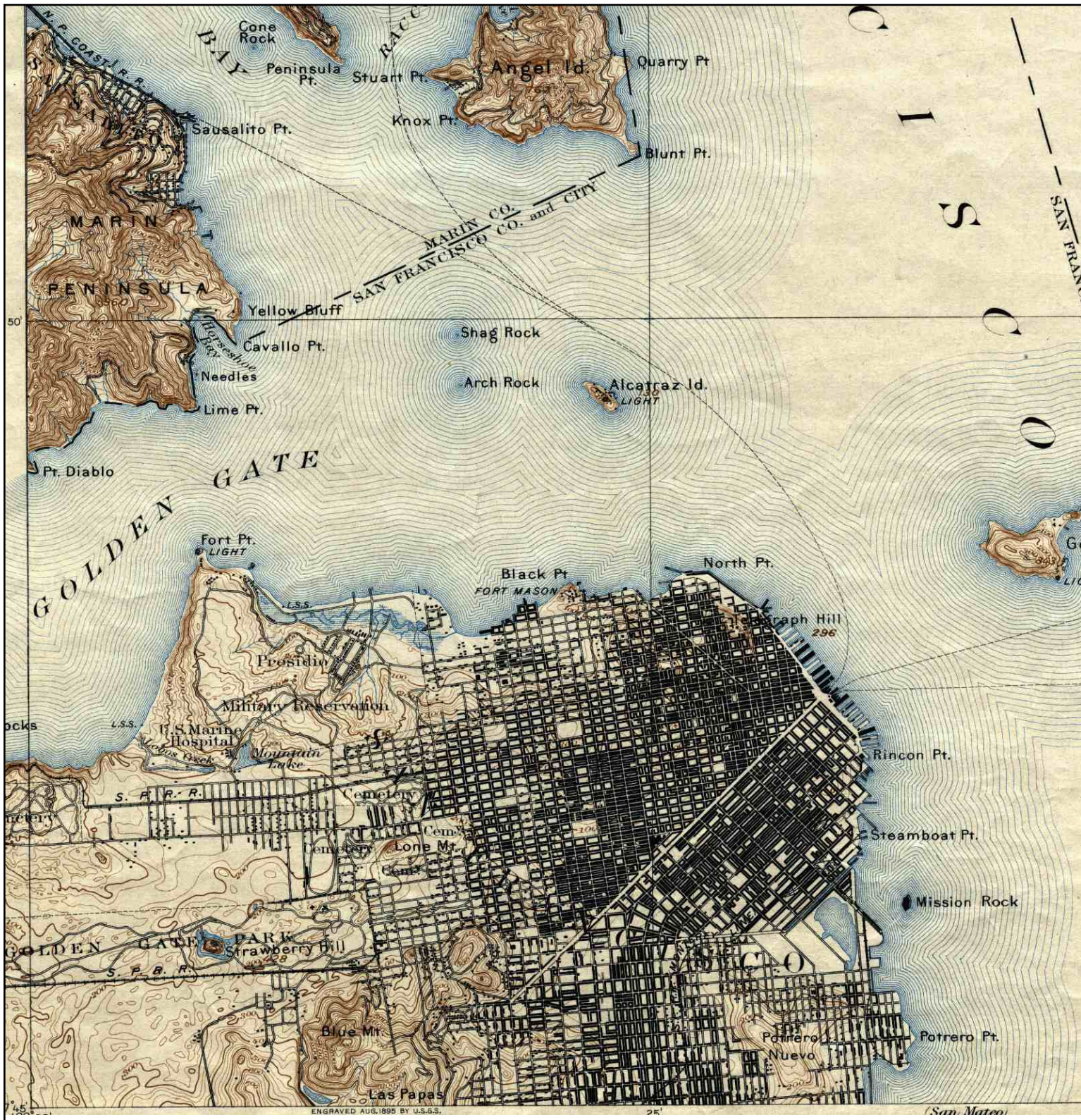
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from 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 ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2012 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 its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map



<p>N</p>	<p>TARGET QUAD</p> <p>NAME: SAN FRANCISCO</p> <p>MAP YEAR: 1895</p>	<p>SITE NAME: Golden Gate Bridge Movable Barrier</p> <p>ADDRESS: Golden Gate Bridge San Francisco, CA 94129</p> <p>LAT/LONG: 37.8069 / -122.4758</p>	<p>CLIENT: AECOM</p> <p>CONTACT: Carmen Goodell</p> <p>INQUIRY#: 3310759.4</p> <p>RESEARCH DATE: 04/30/2012</p>
	<p>SERIES: 15</p> <p>SCALE: 1:62500</p>		

Historical Topographic Map



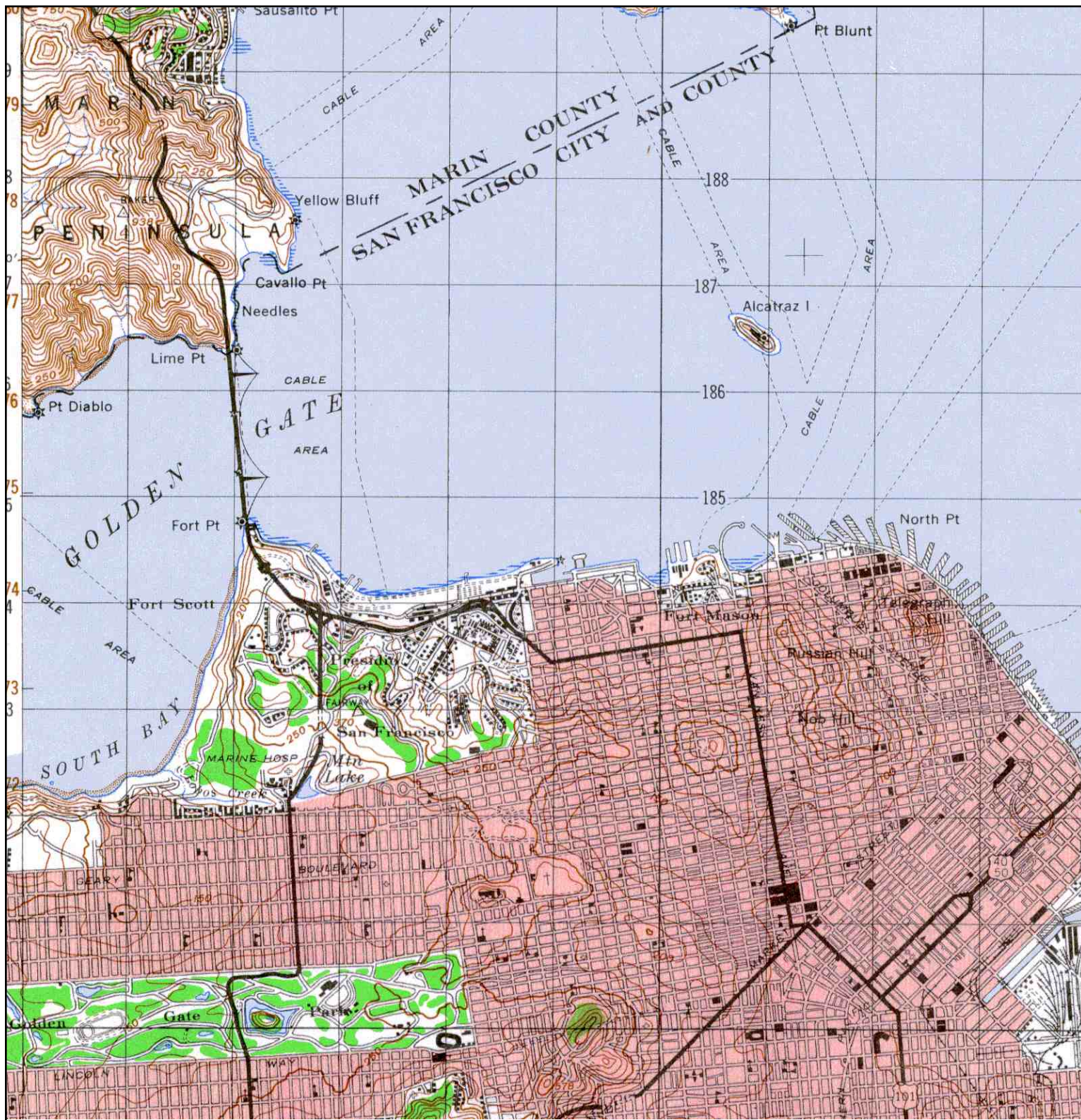
<p>N</p>	<p>TARGET QUAD</p> <p>NAME: SAN FRANCISCO</p> <p>MAP YEAR: 1915</p>	<p>SITE NAME: Golden Gate Bridge Movable Barrier</p> <p>ADDRESS: Golden Gate Bridge San Francisco, CA 94129</p> <p>LAT/LONG: 37.8069 / -122.4758</p>	<p>CLIENT: AECOM</p> <p>CONTACT: Carmen Goodell</p> <p>INQUIRY#: 3310759.4</p> <p>RESEARCH DATE: 04/30/2012</p>
	<p>SERIES: 15</p> <p>SCALE: 1:62500</p>		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: Golden Gate Bridge Movable Barrier	CLIENT: AECOM
	NAME: SAN FRANCISCO NORTH	ADDRESS: Golden Gate Bridge San Francisco, CA 94129	CONTACT: Carmen Goodell
	MAP YEAR: 1947	LAT/LONG: 37.8069 / -122.4758	INQUIRY#: 3310759.4
	SERIES: 7.5		RESEARCH DATE: 04/30/2012
	SCALE: 1:24000		


Historical Topographic Map



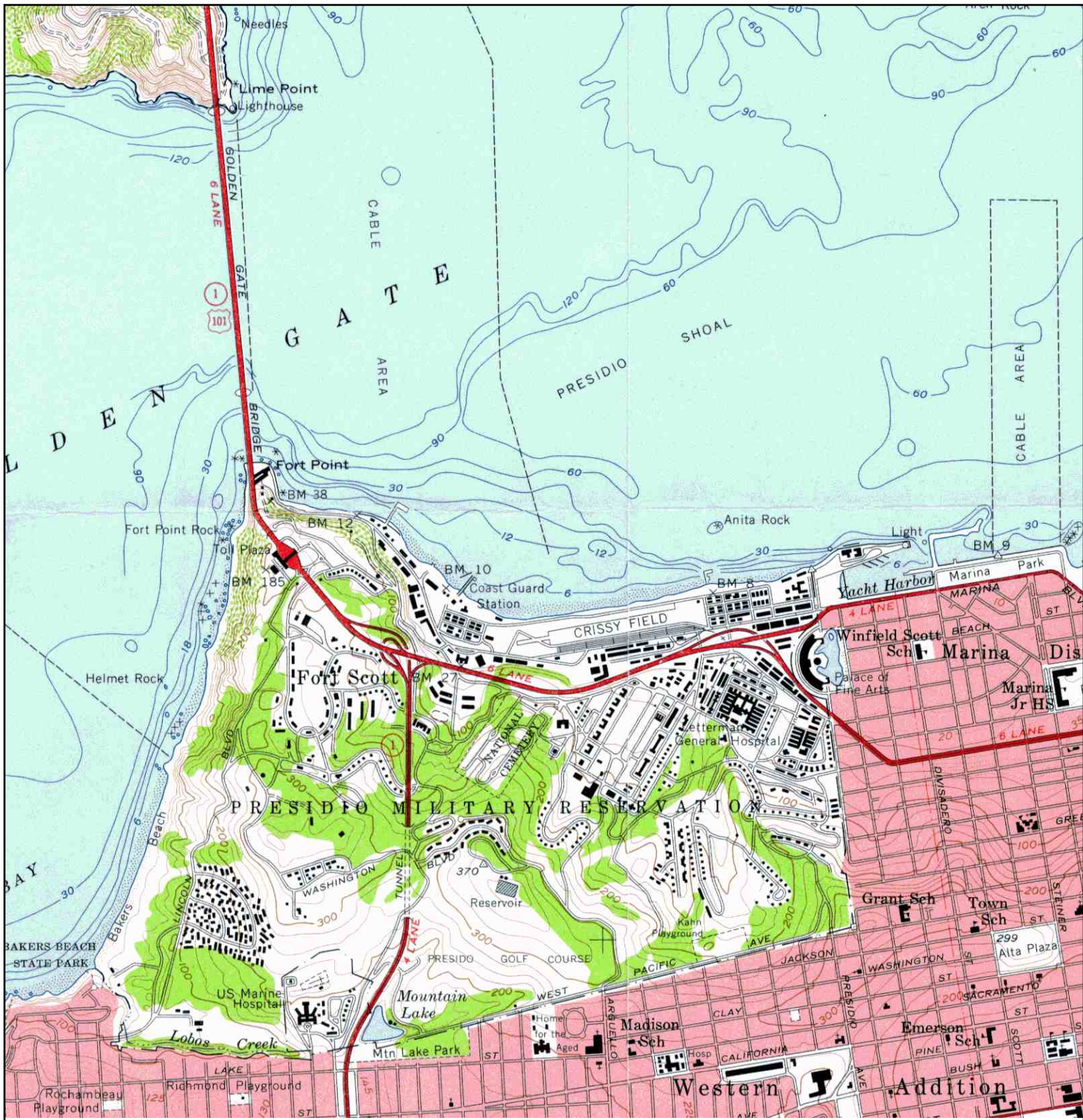
<p>N</p>	<p>TARGET QUAD</p>	<p>SITE NAME: Golden Gate Bridge Movable Barrier</p>	<p>CLIENT: AECOM</p>
	<p>NAME: SAN FRANCISCO</p>	<p>ADDRESS: Golden Gate Bridge San Francisco, CA 94129</p>	<p>CONTACT: Carmen Goodell</p>
	<p>MAP YEAR: 1948</p>	<p>LAT/LONG: 37.8069 / -122.4758</p>	<p>INQUIRY#: 3310759.4</p>
	<p>SERIES: 15</p>		<p>RESEARCH DATE: 04/30/2012</p>
	<p>SCALE: 1:50000</p>		


Historical Topographic Map



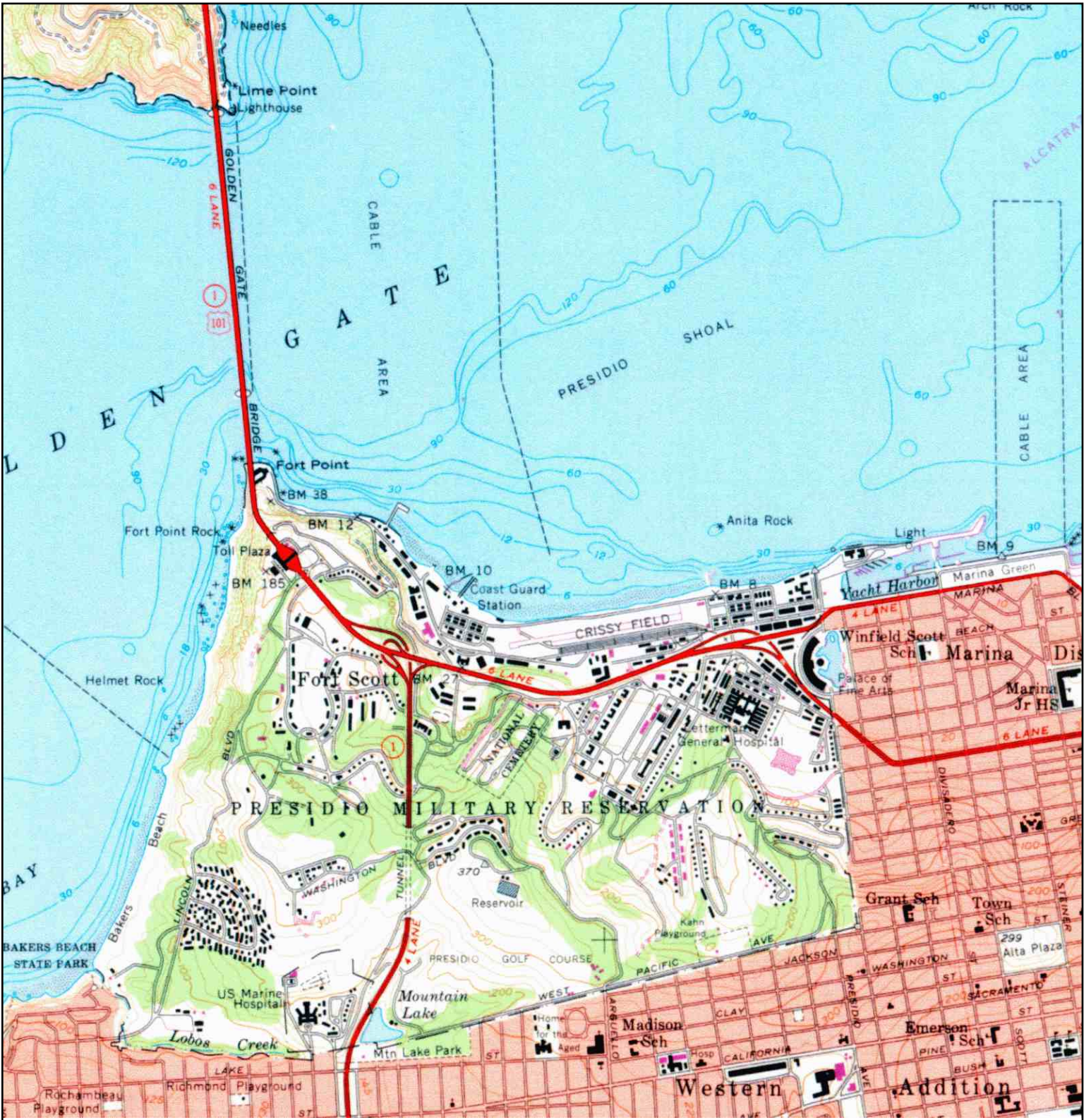
	TARGET QUAD	SITE NAME: Golden Gate Bridge Movable Barrier	CLIENT: AECOM
	NAME: SAN FRANCISCO NORTH	ADDRESS: Golden Gate Bridge San Francisco, CA 94129	CONTACT: Carmen Goodell
	MAP YEAR: 1950	LAT/LONG: 37.8069 / -122.4758	INQUIRY#: 3310759.4
	SERIES: 7.5		RESEARCH DATE: 04/30/2012
	SCALE: 1:24000		

Historical Topographic Map



<p>N</p> 	TARGET QUAD	SITE NAME: Golden Gate Bridge Movable Barrier	CLIENT: AECOM
	NAME: SAN FRANCISCO NORTH	ADDRESS: Golden Gate Bridge San Francisco, CA 94129	CONTACT: Carmen Goodell
	MAP YEAR: 1956	LAT/LONG: 37.8069 / -122.4758	INQUIRY#: 3310759.4
	SERIES: 7.5		RESEARCH DATE: 04/30/2012
	SCALE: 1:24000		


Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: Golden Gate Bridge Movable Barrier	CLIENT: AECOM	
	NAME: SAN FRANCISCO NORTH	ADDRESS: Golden Gate Bridge	CONTACT: Carmen Goodell	
	MAP YEAR: 1968	LAT/LONG: 37.8069 / -122.4758	INQUIRY#: 3310759.4	RESEARCH DATE: 04/30/2012
	PHOTOREVISED FROM : 1956			
	SERIES: 7.5			
	SCALE: 1:24000			

Historical Topographic Map



	TARGET QUAD	SITE NAME: Golden Gate Bridge Movable Barrier	CLIENT: AECOM
	NAME: SAN FRANCISCO NORTH	ADDRESS: Golden Gate Bridge San Francisco, CA 94129	CONTACT: Carmen Goodell
	MAP YEAR: 1973	LAT/LONG: 37.8069 / -122.4758	INQUIRY#: 3310759.4
	PHOTOREVISED FROM : 1956		RESEARCH DATE: 04/30/2012
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: Golden Gate Bridge Movable Barrier	CLIENT: AECOM	
	NAME: SAN FRANCISCO NORTH	ADDRESS: Golden Gate Bridge San Francisco, CA 94129	CONTACT: Carmen Goodell	
	MAP YEAR: 1993	LAT/LONG: 37.8069 / -122.4758	INQUIRY#: 3310759.4	RESEARCH DATE: 04/30/2012
	SERIES: 7.5			
	SCALE: 1:24000			

Appendix D: Regulatory Documentation

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737
(510) 540-3724



April 1, 1996

Mr. Kary Witt, P.E., C.I.H.
Golden Gate Bridge, Highway and
Transportation District
P.O. Box 9000
Presidio Station
San Francisco, California 94129

Dear Mr. Witt:

GOLDEN GATE BRIDGE LEAD REMOVAL PROJECT, AGREEMENT NO. HSA 95/96-066

Enclosed is the Golden Gate Bridge, Highway and Transportation District's executed copy of the Voluntary Cleanup Agreement. Please note that a docket number has been added to this Agreement on page 1. As indicated in Section 3.8.1 of the Agreement, payment of \$25,000 must be received by DTSC no later than May 1, 1996.

If you have any questions, please contact Janet Naito of my staff at (510) 540-3833.

Sincerely,

A handwritten signature in cursive script that reads "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
North Coast Cleanup Operations Branch

cc: See next page (without enclosure)



Mr. Kary Witt, P.E., C.I.H.

April 1, 1996

Page Two

cc: Mr. Brian O'Neill, General Superintendent
National Park Service
Golden Gate National Recreation Area
Fort Mason, Building 201
San Francisco, California 94123

Mr. David Wilkins
Department of the Army
BRAC Environmental Office
604 Murray Circle, East Fort Baker
Sausalito, California 94965

Ms. Pamela Hollis
San Francisco Department of Public Health
Bureau of Toxics, Health and Safety Services
101 Grove Street, Room 207
San Francisco, California 94102

Mr. Doug Kern
c/o Kern Mediation Group
100 First Street, 27th Floor
San Francisco, California 94105

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of:)	Docket No. HSA 95/96-066
)	
Golden Gate Bridge Lead Removal Project)	Voluntary Cleanup Agreement
)	
Project Proponent:)	
)	
Golden Gate Bridge, Highway and Transportation District)	Health and Safety Code
P.O. Box 9000)	Section 25355.5(a)(1)(C)
San Francisco, California)	
)	

I.

INTRODUCTION

1.1 Parties. The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) enters into this Voluntary Cleanup Agreement (Agreement) with the Golden Gate Bridge, Highway and Transportation District (Proponent).

1.2 Site. The property that is the subject of this Agreement (Site) is located in the counties of Marin and San Francisco and includes areas below and around the north and south approaches to the Golden Gate Bridge which could have been impacted by Bridge sand blasting activities. (See Exhibit A, Site Location Map). The south approach areas are located at and adjacent to Fort Point National Historic Site within the Golden Gate National Recreation Area, on the Presidio of San Francisco in the City and County of San Francisco. The north approach area is located at Lime Point at East Fort Baker in Marin County. A Site location map and diagram of the Site are attached as Exhibit A and Exhibit B, respectively.

1.3 Jurisdiction. This Agreement is entered into by DTSC and Proponent pursuant to Health and Safety Code section 25355.5(a)(1)(C). This section authorizes DTSC to enter into an agreement with Proponents to oversee the characterization and cleanup of a Site.

1.4 Purpose. In entering into this Agreement, it is the objective of the Proponent to conduct and report on the items listed in the Scope of Work attached hereto as Exhibit C under the oversight of DTSC and in compliance with all applicable laws, rules and regulations. The Purpose of this Agreement is also to obtain reimbursement from the Proponent for DTSC's oversight costs.

II.

BACKGROUND

2.1 Ownership. The Site is owned by the United States Department of the Interior. Portions of the Site are occupied by the Proponent under a permit with the owner.

2.2 Substances Found at the Site. The report entitled "Results of Preliminary Vertical Delineation," which contains the results of soil sampling conducted at the Site, indicates that the soil at the Site is contaminated with hazardous substances, namely, lead and zinc.

2.3 Physical Description. The terrain at the entire Site varies from flat to very steep. A portion of the surface at the Site is covered by a layer of sand that was originally used for sandblasting. In some areas, the sand has mixed with native soils or has been essentially buried by the road base. The area supports pockets of dense and sparse vegetation. Some areas have flourished; others have not flourished due to winds, slides, or by virtue of being on the face of a cliff. The Site borders the San Francisco Bay. The shoreline consists of riprap and one sandy beach located in the north approach area. The Phase I areas are located immediately below and around the north and south approaches to the bridge and are bounded by the limits indicated in Exhibit B.

2.4 History. When the bridge was constructed, it was painted with lead oxide to protect it against corrosion. Over time severe corrosion occurred and in the 1969, a program to replace the lead oxide paint with a metallic, zinc-rich paint began. Historically, the lead oxide paint has been removed by sand blasting. Among other potential sources, these sandblasting activities have contributed to high lead concentrations in the soils underneath and around the bridge approaches. Analysis of the Site surface soils show median lead concentrations of 1400 parts per million. The paint replacement program and routine repairs involving the removal of paint now incorporate the use of various equipment and work practices designed to collect the sand and paint chips as they are produced. With the exception of a few small isolated areas, all lead based paint will have been removed from the exterior surfaces of the bridge by the end of 1995.

III.

AGREEMENT

3.0 IT IS HEREBY AGREED THAT DTSC will provide review and oversight activity to the Proponent in accordance with the Scope of Work contained in Exhibit C. The Proponent shall conduct the response activities in the manner specified herein and in accordance with the schedule it agrees upon with DTSC. All work shall be performed consistent with Health and Safety Code (H&SC) section 25300 et. seq., as amended; the National Contingency Plan (40 Code of Federal Relations (CFR) Part 300), as amended; U.S. EPA

and DTSC Superfund guidance regarding Site investigation amid remediation; H&SC Section 25100 et. seq., and related regulations regarding hazardous waste management; and any other guidance documents provided to Proponent by DTSC pursuant to this Agreement.

3.1 Scope of Work and DTSC Oversight. DTSC shall review and provide Proponent with written comments on all Proponent deliverables (as described in Exhibit C, Scope of Work) and, as appropriate, other documents applicable to the scope of the project. DTSC shall provide oversight of field activities, including sampling and remedial activities, as appropriate, DTSC's completion of activities described above shall constitute DTSC's complete performance under this Agreement.

3.2 Additional Activities. If agreed by the parties, additional activities may be conducted in order to accomplish the response action at this Site. DTSC will provide oversight for these additional activities. If DTSC expects additional oversight costs to be incurred because of these additional activities, it will provide an estimate of the additional oversight costs prior to undertaking the additional oversight activities.

3.3 Agreement Managers. Barbara J. Cook, DTSC's North Coast California Site Mitigation Branch Chief, is designated by DTSC as its manager for this Agreement. Kary H. Witt Proponent's Environmental, Health & Safety Manager, is assigned by the Proponent as Manager for this Agreement. Each Party to this Agreement shall provide at least ten (10) days advance written notice to the other of any change in its designated manager.

3.4 Notices and Submittals. All notices, documents and communications required to be given under this Agreement, unless otherwise specified herein, shall be sent to the respective parties at the following addresses in a manner that produces a record of the sending of the notice, such as certified mail, overnight delivery service, facsimile transmission or Courier hand delivery service:

3.4.1 To DTSC:

Barbara J. Cook, P.E., Chief
Attn: Janet Naito
Department of Toxic Substances Control
Site Mitigation Program
700 Heinz Avenue, Suite 200
Berkeley, California 94710

3.4.2 To the Proponent:

Kary Witt
Environmental Health & Safety Manager
Golden Gate Bridge, Highway &
Transportation District
Box 9000, Presidio Station
San Francisco, CA 94129

3.5 DTSC Review and Approval. If DTSC determines that any report, plan, schedule or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may return comments to the Proponent with recommended changes; and if changes are not made to the satisfaction of DTSC, or if the parties agree, then DTSC may modify the document as deemed necessary and approve the document as modified.

3.6 Communications. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to the Proponent in writing by DTSC's Agreement Manager or his/her designee. No informal advice, guidance, or suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by the Proponent shall be construed to relieve the Proponent of the obligation to obtain such formal approvals as may be required.

3.7 Endangerment During Implementation. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health and safety of people on the Site or in the surrounding area or to the environment, DTSC may order the Proponent to stop further implementation of this Agreement for such period of time needed to abate the endangerment.

3.8 Payment. The Proponent agrees to pay (1) all statutorily recoverable costs incurred by DTSC in association with the preparation of this Agreement and review of the project and associated documents submitted prior to the effective date of the Agreement, and (2) all costs incurred by DTSC in providing oversight pursuant to this Agreement including review of the documents described in Exhibit C and associated documents, and in providing oversight of field activities. An estimate of DTSC's oversight costs is attached as Exhibit D, it is understood by the parties that Exhibit D is an estimate and cannot be relied upon as the final cost figure. DTSC agrees to advise proponent in advance if the final cost estimate will be exceeded. DTSC will bill the Proponent quarterly. Proponent agrees to make payment within sixty (60) days of receipt of DTSC's billings. Such billings will reflect any amounts that have been advanced to DTSC by the Proponent.

3.8.1 In anticipation of services to be rendered, Proponent shall make an advance payment of \$25,000 to DTSC. The payment shall be made no later than thirty (30) days after this Agreement is fully executed.

3.8.2 If any bill is not paid by the Proponent within 60 days after it is sent by DTSC, the Proponent may be in material default of this Agreement.

3.8.3 All payments made by the Proponent pursuant to this Agreement shall be by a check made payable to the "Department of Toxic Substances Control", and bearing on its face

the project code for the Site (Site # 200326) and the docket number of this Agreement. Payments shall be sent to:

Department of Toxic Substances Control
Accounting/Cashier
400 P Street, 4th Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent concurrently to DTSC's Agreement Manager.

3.8.4 If the Proponents advance payment exceeds DTSC's actual oversight costs, DTSC will refund the difference. DTSC will provide an accounting for expenses upon ninety (90) day written notice form Proponent. In no other case shall Proponent be entitled to a refund from DTSC or to assert a claim against DTSC for any amount paid or expended under this Agreement.

3.9 Condition Precedent. It is expressly agreed that DTSC's receipt of the advance payment described in Paragraph 3.8.1 is a condition precedent to DTSC's obligation to provide oversight, review and/or comment on documents.

3.10 Record Retention. DTSC shall retain all cost records associated with the work performed under this Agreement for a minimum of three (3) years after the conclusion of all activities; under this Agreement. The Proponent may request the inspection of all documents which support DTSC's cost determination. This request shall be in accordance with the Public Records Act.

3.11 Project Coordinator. The work performed pursuant to this Agreement shall be under the direction and supervision of a qualified project coordinator, with expertise in hazardous substance site cleanup. The Proponent shall submit a) the name and address of the project coordinator; and b) in order to demonstrate expertise in hazardous substance site cleanup, the resume of the coordinator. The Proponent shall promptly notify DTSC of any change in the identity of the Project Coordinator. All engineering and geological work must be conducted in conformance with California State Law, Business and Professions Code, sections 6735 and 7839.

3.12 Access. Subject to Proponent's site safety restrictions DTSC's employees, contractors, and consultants shall be allowed access to the Site at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection that DTSC or any other agency may otherwise have by operation of any law. Subject to Proponents site requirements for visitors DTSC and its authorized representatives shall have the authority to enter and move freely about all property at the Site at all reasonable times for purposes including, but not limited to: inspecting records, operating logs, sampling and analytic data and contracts relating to this Site; reviewing the progress of the Proponent in carrying out the terms

of this Agreement; conducting such tests as DTSC may deem necessary; and verifying the data submitted to DTSC by the Proponent. Nothing in this paragraph shall constitute a waiver or any legal privilege the Proponent holds regarding any document.

3.13 Sampling, Data and Document Availability. When requested by DTSC, the Proponent shall make available to DTSC, and shall provide copies of, all data and information concerning contamination at the Site, including technical records and contractual documents, sampling and monitoring information and photographs and maps, provided such data and information was developed pursuant to this Agreement or related to this Agreement and is not privileged.

3.14 Notification of Field Activities. Proponent shall inform DTSC at least seven (7) days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by the Proponent pursuant to this Agreement.

3.15 Notification of Environmental Condition. The Proponent shall notify DTSC's Agreement Manager immediately upon learning of any condition posing an immediate threat to public health or safety or the environment, within seven (7) days of the onset of such an event, the Proponent shall furnish a report to DTSC signed by the Proponent Agreement Manager, setting forth the events which occurred and the measures taken in response thereto.

3.16 Preservation of Documentation. The Proponent shall maintain a central repository of the data, final reports, and other documents prepared pursuant to this Agreement. All such data, reports and other documents shall be preserved by the Proponent for a minimum of three (3) years after the conclusion of all activities under this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, the Proponent shall either comply with that request by extending its retention of such records, by delivering the documents to DTSC, or by permitting DTSC to copy the documents prior to destruction. The Proponent shall notify DTSC in writing at least six (6) months prior to the expiration of the three-year period before destroying any documents prepared pursuant to this Agreement.

3.17 Amendments. This Agreement may be amended or modified solely upon written consent of both parties. Such amendments or modifications may be proposed by either Party and shall be effective the third business day following the day the last party signing the amendment or modification sends its notification of signing to the other party. The parties may agree to a different effective date for the amendment.

3.18 Termination for Convenience. Each party to this Agreement reserves the right unilaterally to terminate this Agreement for any reason. Termination may be accomplished by giving a thirty (30) day advance written notice of the election to terminate the Agreement to the other Party hereto. In the event

that this Agreement is terminated under this Paragraph, the Proponent shall be responsible for DTSC costs through the effective date of termination.

3.19 Exhibits. All exhibits attached to this Agreement are incorporated herein by this reference.

3.20 Time Periods. Unless otherwise specified, time period begin from the date this Agreement is fully executed, and "days" means calendar days. "Business days" means all calendar days that are not weekends or official State holidays.

3.21 Proponent Liabilities. Nothing in this Agreement shall constitute or be considered a satisfaction or release from liability for any condition or claim(s) arising as a result of Proponent's past, current, or future operations. Nothing in this Agreement is intended or shall be construed to limit the rights of any of the parties with respect to claims or defenses arising out of or relating to the deposit or disposal at any other location of Substances removed from the Site.

3.22 Government Liabilities. The State of California shall not be liable for any injuries or damages to persons or property resulting from acts or omissions by the Proponent or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California be held as a party to any contract entered into by the Proponent or its agents in carrying out the activities pursuant to this Agreement.

3.23 Third Party Actions. In the event that the Proponent is a party to any suit or claim for damages or contribution relating to this Agreement to which DTSC is not a party, the Proponent shall notify DTSC in writing within ten (10) days after service of the complaint in the third-party action, Proponent shall pay all costs incurred by DTSC relating to such third-party actions including, but not limited to, responding to subpoenas.

3.24 Reservation of Rights. DTSC and the Proponent reserve the following rights.

3.24.1 DTSC reserves its right to pursue cost recovery under the Comprehensive Environmental Response, Compensation and Liability act of 1980 (CERCLA), as amended, the California Health and Safety Code section 29360, and any other applicable provision of the law.

3.24.2 Nothing in this Agreement is intended or shall be construed to limit or preclude DTSC from taking any action authorized by law or equity to protect public health and safety or the environment and recovering the costs thereof.

3.24.3 Nothing in this Agreement shall constitute or be construed as a waiver of the Proponent's rights with respect to any claim, cause of Action, or demand in law or equity that the Proponent may have against any "person", as defined in section

101(21) of CERCLA, or Health and Safety Code Section 25319, that is not a signatory to this Agreement.

3.24.4 By entering into this Agreement, Proponent does not admit to any fact, fault or liability under any statute or regulation nor waive any defenses to the claims of DTSC or any other party.

3.25 Compliance with Applicable Laws. Nothing in this Agreement shall relieve the Proponent from complying with all applicable laws and regulations, and the Proponent shall conform all actions required by this Agreement with all applicable federal, state and local laws and regulations.

3.26 California Law. This Agreement shall be governed, performed and interpreted under the laws of the State of California.

3.27 Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and does not affect the enforceability of the remaining terms of the Agreement.

3.28 Parties Bound. This Agreement applies to and is binding upon each signatory and its successors, and assigns, and upon any successor agency of the State of California that may have responsibility for and jurisdiction over the subject matter of this Agreement. No change in the ownership or corporate or business status of any signatory, or of the facility or Site shall alter any signatory's responsibilities under this Agreement.

3.29 Representative Authority. Each of the undersigned representative of the Parties to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the parties to this Agreement.

Barbara L. Cook
Site Mitigation Branch, Statewide Cleanup Operations
Department of Toxic Substances Control
Date: _____

[PROPONENT NAME, TITLE]
Date: _____

Refer to Signature Page

KH/bh/133435

Signature page for Voluntary Cleanup Agreement, Lead Cleanup Project

GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT

By: Robert McDonnell Date: March 21, 1996
Its: President, Board of Directors

Approved as to form:

David J. Miller Date: March 21, 1996
David J. Miller
Attorney

**Site Mitigation Branch, Statewide Cleanup Operations
Department of Toxic Substances Control**

By: Barbara J. Cook
Barbara J. Cook
Its: SMB Branch Chief Date: April 1, 1996

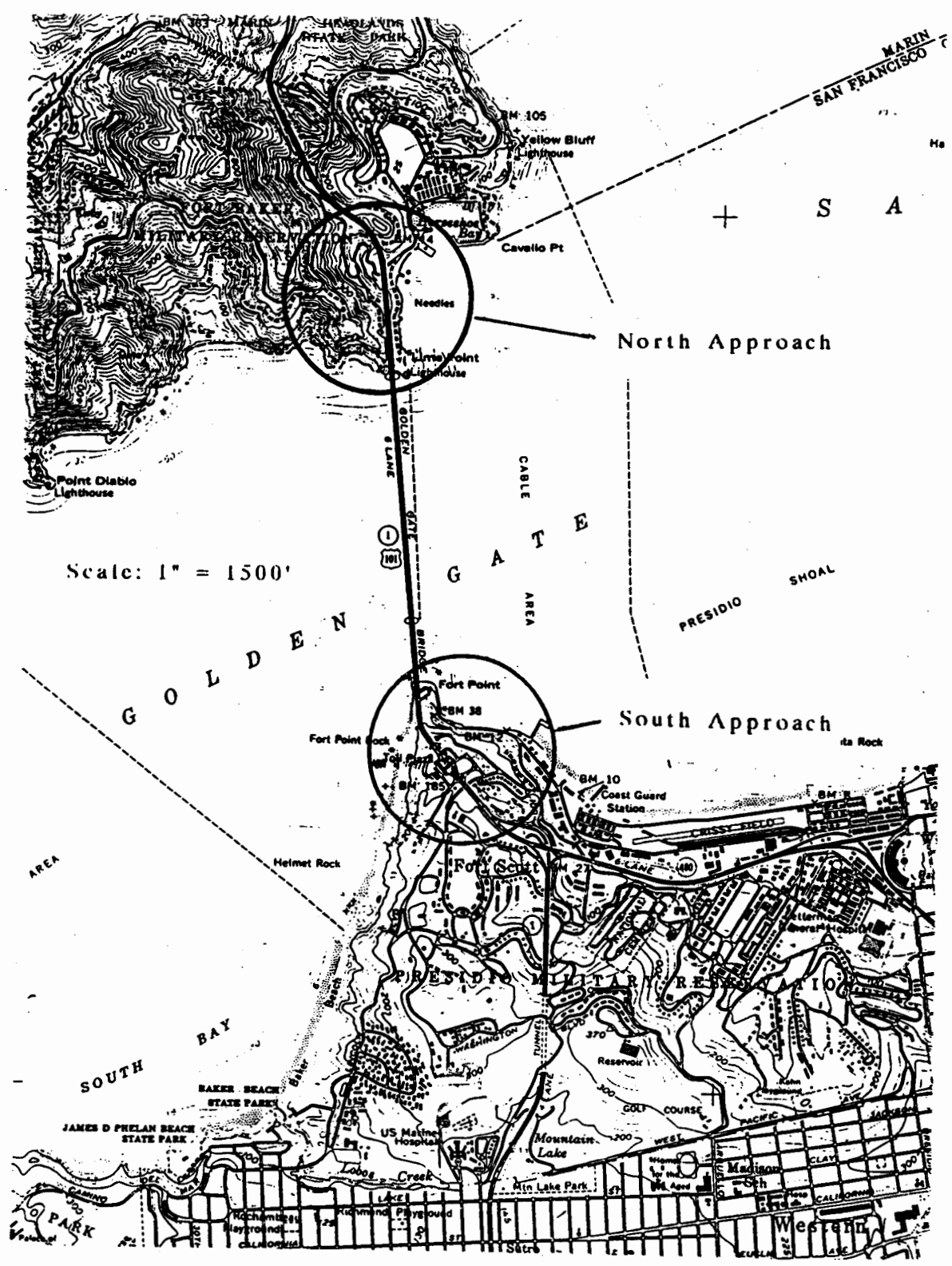


Figure A-1. Site Vicinity Map.

EXHIBIT A

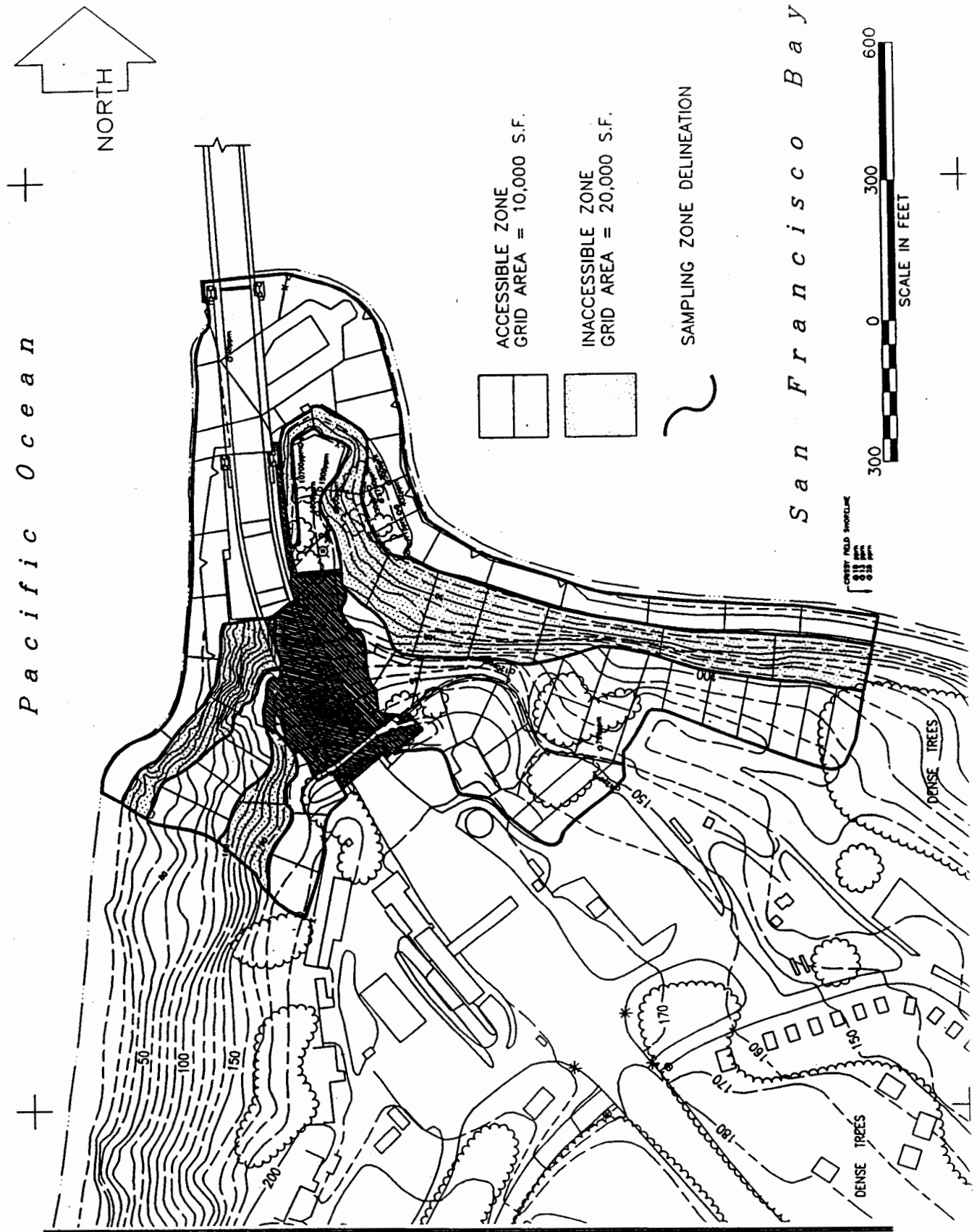


Figure A-2. South Approach Sampling Grid Layout.

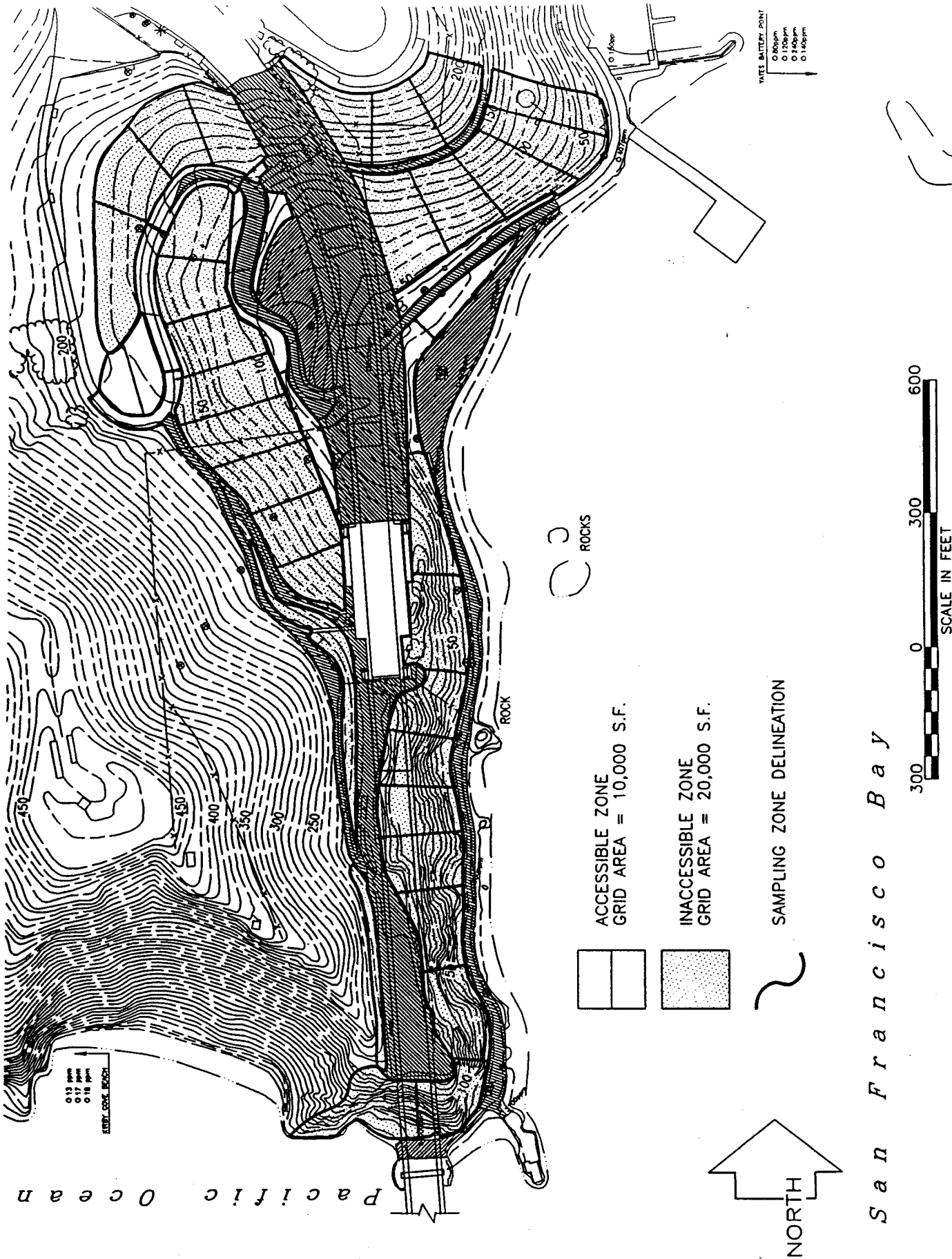


Figure A-3. North Approach Sampling Grid Layout.

EXHIBIT B

EXHIBIT C

SCOPE OF WORK

The Purpose of the work described herein is to mitigate the risks related to lead and zinc released to the environment near and adjacent to the Golden Gate Bridge. The work will be done in two phases which will overlap in time.

Section I of this Scope of Work describes the work to be done in Phase 1, which will be designated "hot spot" removal. Contaminated soil from areas located near and adjacent to the north and south bridge abutments will be removed to make safe work areas for the bridge seismic retrofit project. Phase I work will be expedited because that work must be completed before the urgent seismic retrofit work can begin.

Section 2 of this Scope of Work describes the work to be done in Phase 2. Phase 2 will characterize the total release of lead and zinc, including the Phase I area, and will develop the work plan needed to mitigate the hazards to public health, safety, and the environment caused by the release.

Section 3 of this Scope of Work describes general support tasks, such as public participation, health and safety, operations and maintenance, etc., that may be required for both Phases I and 2.

The following Tasks will be completed as part of this Agreement:

Section 1: PHASE 1 - REMOVAL ACTION

TASK 1.1. Phase 1 Remedial Action Plan for the Removal Action.

The Proponent will prepare a Remedial Action Plan (RAP) for the Removal Action in accordance with the standards and requirements set forth in Health and Safety Code section 25356.1 and will submit it to DTSC for review and approval. The draft RAP will be based on and will include remedial investigation and feasibility study information; it will set forth in detail appropriate steps to remedy soil, surface water and groundwater contamination in the Phase 1 areas; it will contain a schedule for implementation of all proposed work in the Phase 1 areas; it will contain a schedule for implementation of all proposed Site actions; and it will state that the removal action is not the final remedy for the Site. The removal action will be done in a manner that does not forestall implementation of a final remedy. Task 3.1, Public Participation, describes the public participation activities that are required for a remedial action plan.

TASK 1.2. Phase 1 Removal Design and Implementation Plan.

Proponent will prepare and submit a Phase I Removal Design and Implementation Plan (RDIP) in accordance with the agreed upon Schedule contained in the approved RAP. The RDIP shall contain technical and operational plans and engineering designs for implementation of the approved removal action, and a schedule for implementing the construction phase. The RDIP shall also include a description of the construction equipment to be employed; a site specific hazardous waste transportation plan (if necessary); the identity of any contractors, transporters and other persons conducting the removal activities for the Site; post-removal sampling and monitoring procedures for air, soil, surface water and groundwater; operation and maintenance procedures and schedules; and a health and safety plan.

TASK 1.3. Implementation of Final RAP for Phase 1.

Upon DTSC approval of the Phase I RDIP and schedule, Proponent shall implement the final Phase I RAP as approved in accordance with the approved RDIP and schedule.

TASK 1.4. Changes During Implementation of the Final Phase I RAP.

During implementation of the Final Phase 1 RAP and RDIP, DTSC may specify such additions, modifications and revisions to the RDIP as deemed necessary to protect human health and safety or the environment or to implement the RAP.

Task 1.5 Operation and Maintenance (O&M)

The Proponent shall comply with all operation and maintenance requirements in accordance with the final RAW, final RAP and/or RDIP. The Proponent shall enter into an O&M Agreement, which includes financial assurance, with DTSC prior to certification of the Site.

Section 2: PHASE 2 - FINAL REMEDIAL INVESTIGATION/FEASIBILITY STUDY AND REMEDIAL ACTION PLAN

TASK 2.1. Submittal of Existing Data

The Proponent will submit to DTSC all background information, sample analysis results, environmental assessment, and final reports, and any other information pertinent to the hazardous substance management and/or release, characterization and feasibility study for the Site. DTSC will review the information, identify areas and media of concern, and determine the additional work, if any, required to complete the investigation/remediation of the Site.

TASK 2.2. Chemical Usage Report

The Proponent shall submit a written report to DTSC describing the historic chemical usage associated with the Site.

TASK 2.3 Phase 2 - Remedial Investigation/Feasibility Study (RI/FS).

The Phase 2 Remedial investigation/Feasibility study (RI/FS) shall be conducted consistent with the U.S. Environmental Protection Agency's Interim Final Guidance for Conducting Remedial Investigations and Feasibility studies under CERCLA, "October 1988, (EPA/540-0-89/004)."

2.3.1. Remedial Investigation/Feasibility Study Objectives.

The objectives of the RI/FS are to:

- (a) Characterize the extent of hazardous substance contamination at the Site;
- (b) Identify existing and potential migration pathways, including the direction, rate and dispersion of contaminant migration;
- (c) Analyze the baseline risks to help determine the need for action at the Site;
- (d) Determine levels of chemicals that can remain on-site and still be adequately protective of human health; and
- (e) Evaluate feasible remedial alternatives.

2.3.2 Phase 2 Remedial Investigation/Feasibility Study Workplan.

Proponent shall prepare a Phase 2 RI/FS Workplan which will include a sampling and analysis workplan, quality assurance/quality control workplan, health and safety workplan, and an implementation schedule.

2.3.3. Remedial Investigation Report.

Proponent shall prepare a Remedial Investigation (RI) report which summarizes the results of the remedial investigation, including reduction, presentation and interpretation of all data and information generated and/or compiled during the remedial investigation. The RI report will contain:

- (a) Site Background Information, including Physical Characteristics and Site History
- (b) Sources of Contamination
- (c) Summary of Investigation, discuss all media investigated (i.e., Soil, Geology, Groundwater, Surface Water, Air, Biota)

(d) Nature and Extent of Contamination

2.3.4 Phase 2 Ecological Assessment.

A scoping meeting shall be held to discuss how the ecological assessment will be conducted for this Site. Proponent will then submit an Ecological Assessment report. The report will be prepared consistent with U.S. EPA and DTSC Guidelines.

2.3.5. Phase 2 Feasibility Study Report.

Proponent shall prepare a Feasibility Study (FS) report for the Site which summarizes the results of the feasibility study, including the following:

- (a) Description of the Current Situation
- (b) Description of Remedial Action Technologies
- (c) Screening of Remedial Action Technologies
- (d) Analysis of Remedial Action Alternatives
- (e) Recommended Remedial Action

TASK 2.4. Phase 2 Removal Action Workplan.

If DTSC determines a removal action is appropriate, the Proponent will prepare a Phase 2 Removal Action Workplan (RAW) in accordance with Health and Safety Code sections 25323.1 and 25356.1. The Phase 2 Removal Action Workplan will include:

- (a) a description of the on-site Contamination
- (b) the goals to be achieved by the removal action
- (c) an analysis of the alternative options considered and rejected and the basis for that rejection. This should include a discussion for each alternative which covers its effectiveness, implementability and cost.
- (d) administrative record list

If the proposed removal action does not meet the requirements of Health and Safety Code section 25356.1(h), the Proponent will prepare a Phase 2 Remedial Action Plan (RAP) in accordance with Health and Safety Code section 25356.1(c) for DTSC review and approval.

TASK 2.5. Phase 2 Remedial Action Plan.

If DTSC determines the final remedy cannot be implemented under a Removal Action workplan, the Proponent will prepare a Phase 2 Remedial Action Plan (RAP) in accordance with the standards and

requirements set forth in Health and Safety Code section 25356.1 and will submit it to DTSC for review and approval. The draft RAP will be based on the approved RI and FS Reports; it will set forth in detail appropriate steps to remedy soil, surface water and groundwater contamination at the Site and adjacent areas; it will contain a schedule for implementation of all proposed removal and remedial actions. Task 3.1, Public Participation, describes the public participation activities that are required for a draft RAP to be approved as a final RAP.

Section 3: GENERAL SUPPORT TASKS

TASK 3.1. Public Participation.

3.1.1 Proponent shall conduct appropriate public participation activities given the nature of the community surrounding the Site and the level of community interest. Proponent shall work cooperatively with DTSC to ensure that the affected and interested public and community are involved in DTSC's decision-making process. Any such public participation activities shall be conducted in accordance with Health and Safety Code sections 25358.7 and 25356.1(e), the DTSC Public Participation Policy and Procedures Manual, and with DTSC's review and approval.

3.1.2. The Proponent shall develop and submit fact sheets to DTSC for review and approval when specifically requested by DTSC. Proponent shall be responsible for printing and distribution of fact sheets upon DTSC approval using the approved community mailing list.

3.1.3. The Proponent shall publish, in a major local newspaper(s), a public notice announcing the availability of the RAW/RAP for public review and comment. The public comment period shall last a minimum of thirty (30) days.

3.1.4. DTSC may require that the Proponent hold at least one public meeting to inform the public of the proposed activities and to receive public comments on the draft RAW or RAP.

3.1.5 Within two (2) weeks of the close of the public comment period, the Proponent shall prepare and submit to DTSC a draft response to the public comments received.

3.1.6. If appropriate, the Proponent will receive the draft RAW or RAP on the basis of comments received from the public, and submit the revised RAW or RAP to DTSC for review and approval. The Proponent will also notify the public of any significant changes from the action proposed in the RAW or RAP.

TASK 3.2. California Environmental Quality Act (CEQA).

If DTSC determines that it must initiate CEQA activities, the Proponent will submit a draft Initial Study, associated checklist, and discussion of the mitigation methods (if any). Based on the results of the draft Initial Study, DTSC will

determine if a Negative Declaration or Environmental Impact Report (EIR) should be prepared. If required, Proponent shall prepare a draft Negative Declaration or EIR for DTSC review and approval under CEQA.

TASK 3.3. Deed Restrictions.

The parties agree that deed restrictions or land use restrictions may be necessary to insure full protection of the environment and human health. DTSC or may require such deed restriction or land use restriction or equivalent document in the Final RAW or RAP. Proponent agrees to sign and record the deed or land use restrictions or equivalent document approved by DTSC.

TASK 3.4. Quality Assurance/Quality Control (QA/QC) Plan

All sampling and analysis conducted by the Proponent under this Agreement shall be performed in accordance with a QA/QC Plan submitted by the Proponent and approved by DTSC. The QA/QC Plan will describe:

- (a) the procedures for the collection, identification, preservation and transportation of samples;
- (b) the calibration and maintenance of instruments;
- (c) the processing, verification, storage and reporting of data, including chain of custody procedures and identification of qualified person(s) conducting the sampling and of a laboratory certified or approved by DTSC pursuant to Health and Safety Code section 25198; and
- (d) how the data obtained pursuant to this Agreement will be managed and preserved in accordance with the Preservation of Documentation section of this Agreement.

TASK 3.5. Health and Safety Plan.

The Proponent will submit a Site Health and Safety Plan in accordance with California Code of Regulations, Title 8, Section 5192 and DTSC guidance, which covers all measures, including contingency plans, that will be taken during field activities to protect the health and safety of the workers at the Site and the general public from exposure to hazardous waste, substances or material. The Health and Safety Plan should describe the specific personnel, procedures and equipment to be utilized.

#2

**DTSC COST ESTIMATE
 GOLDEN GATE BRIDGE SITE
 (Costs after 7/1/95)**

TASKS	PROJECT MANAGER/ SUPERVISOR (@ \$87/hour)		OFFICE OF LEGAL SERVICES (@ \$125/hour)		INDUSTRIAL HYGIENE @80/hr/ TOXICOLOGIST (@ 108/hour)		PUBLIC PARTICIPATION (@ 74/hour)	
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Voluntary Cleanup Agreement	20	1740	22	2750			.5	37
Phase I Remedial Action Plan	150	13050					50	3330
Phase I Design	30	2610			8-IH	640		
Removal Action Oversight	30	2610			4-IH	320	15	1100
Removal Action Implementation Report	20	1740						
Phase II Workplan	120	10440			8-IH 40-Tox	640 4320		
Phase II RI Report	60	4350						
Phase II Ecological Risk Assessment	40	3487			60-Tox	6480		
Phase II Feasibility Study	50	4350						
Phase II RAW/RAP	100	8700	2	250	16-Tox	1728	50	3330
Phase II Design	30	2610			8-IH	640		
Phase II Implementation	30	2610			4-IH	320	10	740
Phase II Implementation Report	25	2175						
Deed Restriction	20	1740	5	625				
Operation and Maintenance Agreement	20	1740	5	625				
Certification	8	696						
Total Cost per class		64648		4250		15088		8537
Total Costs		\$92,523						

EXHIBIT D



Department of Toxic Substances Control



Jesse R. Huff, Director
700 Heinz Avenue, Bldg. F, Suite 200
Berkeley, California 94710-2721

Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

February 2, 1999

FILE COPY

Mr. Kary H. Witt
Environmental, Health & Safety Manager
Golden Gate Bridge, Highway and Transportation District
P.O. 9000, Presidio Station
San Francisco, California 94804

Dear Mr. Witt:

AMENDMENT TO VOLUNTARY CLEANUP AGREEMENT FOR THE GOLDEN GATE BRIDGE PROPERTY

Enclosed please find a fully executed copy of the Amendment to Voluntary Cleanup Agreement No. HSA 95/96-066. I appreciate your prompt response. If you have any questions regarding the attached amendment, please contact me at (510) 540-3843 or the Project Manager assigned to your project.

Sincerely,

Barbara J. Cook, P.E.
Northern California - Coastal Cleanup
Operations Branch
Site Mitigation Program

Enclosure

cc: Robert P. Hoffman
Chief Counsel
Department of Toxic Substances Control
P.O. Box 806
Sacramento, California 95812-0806

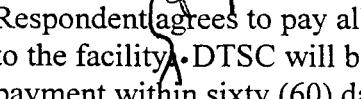
STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

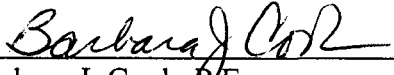
In the Matter of:)	
)	AMENDMENT TO VOLUNTARY
Golden Gate Bridge Lead Removal)	CLEANUP AGREEMENT
Project)	NO. 95/96-066
)	
)	Health and Safety Code sections 25187,
)	58009 & 58010
)	

The Voluntary Cleanup Agreement No. 95/96-066 entered into by DTSC and the Golden Gate Bridge, Highway and Transportation District (Respondent) on April 1, 1996 (hereinafter referred to as the Agreement) is hereby amended to add the following provisions:

1. The Agreement is entered into by the Department of Toxic Substances Control (DTSC) and Respondent pursuant to Health and Safety Code sections 25187, 58009 and 58010.
2. DTSC hereby makes the following Findings of Fact and Conclusions of Law:
 - a. There is or has been a release of hazardous waste or constituents from the Golden Gate Bridge Lead Removal Project Site located in the counties of Marin and San Francisco, including areas below and around the north and south approaches to the Golden Gate Bridge which could have been impacted by Bridge sand blasting activities (hereinafter referred to as "facility"). The facility is or has been used for the management of hazardous waste.
 - b. Respondent is a present or prior owner, lessee, or operator of the property where the hazardous waste is located, or is a present or past generator, storer, treater, transporter, disposer, handler of hazardous waste or a person who arranges or arranged, by contract or otherwise to handle hazardous waste.
 - c. Respondent is a "person" as defined in Health and Safety Code section 25118.
 - d. The actions required by the Agreement are necessary to protect human health or the environment.
3. Respondent waives any right to a hearing in this matter.

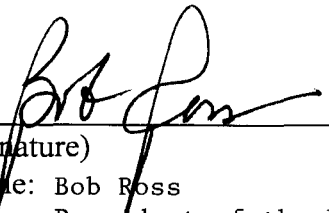
as set forth in Section 3.8, Payment, of the original agreement

- 
4. Respondent agrees to pay all costs incurred by DTSC pursuant to the Agreement related to the facility. DTSC will bill Respondent quarterly. Respondent agrees to make payment within sixty (60) days of receipt of DTSC's billing. Any billing not paid within sixty (60) days is subject to interest calculated from the date of the billing pursuant to Health and Safety Code section 25360.1.
 5. The effective date of this Amendment to the Agreement is the date when it is signed by DTSC.
 6. Each undersigned representative of the parties to this Amendment to the Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Amendment to the Agreement and to execute and legally bind the parties to this Amendment to the Agreement.
 7. This Amendment to the Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document.



Barbara J. Cook, P.E.
Site Mitigation Branch
Department of Toxic Substances Control

Date: 4/29/99



(signature)
Name: Bob Ross
Title: President of the Board
For Golden Gate Bridge, Highway and Transportation District

Date: January 22, 1999

Appendix E: Asbestos and Lead Surveys

Appendix E1: Toll Plaza Survey

**SUMMARY REPORT: BULK ASBESTOS AND LEAD-
BASED PAINT SURVEY
GOLDEN GATE BRIDGE TOLL PLAZA
SAN FRANCISCO, CALIFORNIA**

PREPARED FOR:

**AECOM
2101 WEBSTER STREET
OAKLAND, CA 94612**

PREPARED BY:

SCA

ENVIRONMENTAL, INC.

**334 19TH STREET
OAKLAND, CA 94612
TEL: (510) 645-6200
eFAX: (415) 962-0736**

SCA PROJECT NO.: B-10969

MAY 13, 2013

**SUMMARY REPORT
BULK ASBESTOS AND LEAD-BASED PAINT SURVEY
GOLDEN GATE BRIDGE
GOLDEN GATE BRIDGE TOLL PLAZA
SAN FRANCISCO, CALIFORNIA**

CONDUCTED FOR

**MS. CARMEN GOODELL
AECOM
2101 WEBSTER STREET
OAKLAND, CA 94612**

MAY 13, 2013

SCA PROJECT NO. B-10969

PREPARED BY:

A handwritten signature in black ink, appearing to read 'G. R. Cass', with a horizontal line extending from the middle of the signature to the right.

**GLENN R. CASS, CIH, PE, CAC #92-0092
VICE PRESIDENT**

**SCA ENVIRONMENTAL, INC.
334 19TH STREET
OAKLAND, CA 94612
TEL: (510) 645-6200
eFAX: (415) 962-0736**

Table of Contents

1.0	Executive Summary.....	1
2.0	Introduction	3
3.0	Methodology	4
3.1	Asbestos Containing Materials	4
3.2	Lead-Based Paints	4
4.0	Applicable Standards.....	5
4.1	Asbestos-Containing Materials.....	5
4.2	Lead-Based Paints	5
4.3	PCB Ballasts and Mercury Lamps.....	8
4.4	Other Hazardous Materials	8
5.0	Results and Conclusions.....	10
5.1	Asbestos.....	10
5.2	Non-Asbestos Materials (non-ACM).....	10
5.3	Lead-Based Paints	10
6.0	Limitations and Exclusions	12

Attachments

1. Laboratory Results – Asbestos
2. Representative Lead-Based Paint XRF Sampling Results
3. Field Data Sheets
4. Sampling Location Drawings
5. Summary of Hazardous Materials Table
6. Abatement Work Plan

List of Common Acronyms and Abbreviations

AAA	= Assumed Asbestos-Containing Materials
ACM	= Asbestos-Containing Materials
AMERA	= Asbestos Hazard Emergency Response Act
BAAQMD	= the Bay Area Air Quality Management District
BK	= black paints
BL	= blue paints
BR	= brown paints
CAC	= Certified Asbestos Consultant
Cal/OSHA	= the California Division of Industrial Safety and Health
Cal/EPA	= the California Environmental Protection Agency
CAULK	= window and door perimeter caulking
CCR	= California Code of Regulations
CERCLA	= Comprehensive Environmental Response, Compensation, and Liability Act
CFR	= Code of Federal Regulations
CHMM	= Certified Hazardous Materials Manager
CIH	= Certified Industrial Hygienist
CPSC	= Consumer Product Safety Commission
CR	= cream-colored paints
CSST	= Certified Site Surveillance Technician
DOHS	= the California Department of Health Services
DS/PLM	= Polarized Light Microscopy with Dispersion Staining
EPA	= the U.S. Environmental Protection Agency
EPRI	= Electric Power Research Institute
EXPJNT	= expansion joint
FIFRA	= Federal Insecticide, Fungicide, and Rodenticide Act
FLVCS	= linoleum flooring
FLVCT	= vinyl composite floor tiles
ft ²	= square feet
GN	= green paints
GROUT	= ceramic tile and concrete grouts
GY	= gray paints
HUD	= the U.S. Department of Housing and Urban Development
LBP	= Lead-Based Paints
LF	= linear feet
µg/cm ²	= micrograms per centimeter squared
µg/g	= microgram per gram or equivalent to parts per million
µg/m ³	= micrograms per cubic meter
µm	= microns
mg/cm ²	= milligrams per squared centimeter
mg/kg	= milligrams per kilogram
MR	= maroon paints
OL	= olive paints
OR	= orange paints
OSHA	= the federal Occupational Safety and Health Administration
OW	= off white paints
PCB	= Polychlorinated Biphenyl
PEL	= Permissible Exposure Level
Penta	= Pentachlorophenol

List of Common Acronyms and Abbreviations Cont.

PISTM	= steam thermal system pipe insulation
PK	= pink paints
ppm	= parts per million
PUTTY	= window pane putty
QA/QC	= Quality Assurance/Quality Control
RCRA	= Resource Conservation Recovery Act
RCW	= Regulated Controlled Waste
RD	= red paints
REA	= Registered Environmental Assessor
RFAG	= built-up tar and gravel roofing
RFPTCH	= roof patching compounds
RFROLL	= rolled roofing
RWQCB	= the Regional Water Quality Control Board
SF	= square feet
TN	= tan paints
TSI	= Thermal System Insulation
WAC	= Washington Administrative Code
WH	= white paints
WLCER	= ceramic wall tiles
WLPL	= wall plaster
YW	= yellow paints

1.0 Executive Summary

SCA Environmental, Inc. (SCA) conducted a partial demolition hazardous materials survey for lead-based paints, asbestos-containing construction materials, and associated environmental hazards at the Golden Gate Bridge at Golden Gate Bridge Toll Plaza in San Francisco, CA (hereafter referred to as "the Buildings") on May 3, 2013.

Prior to any renovations or demolition, the National Emission Standard for Hazardous Air Pollutants (NESHAP) mandated by the Environmental Protection Agency (EPA) and locally enforced by the Bay Area Air Quality Management District (BAAQMD) require that buildings be inspected for asbestos-containing materials (ACM) and materials subject to damage or which will be made friable, be removed.

Sampling by SCA in May 2013 found the following ACM:

- None identified by SCA for the typical toll booth.

"Trace" asbestos-containing materials (>0.1% and <1% asbestos by weight) sampled by SCA include:

- None identified by SCA for the typical toll booth.

Non-asbestos materials sampled and documented by SCA include:

- 2-ft. by 3-ft. tan fibrous laid-in ceiling tiles, sampled at Toll Booth #9, and typical for all of the toll booths [SCA Sample I.D. CLLI-201-1 & 2];
- Beige exterior concrete paints on the upper roof, typical throughout the underside of the roof [SCA Sample I.D. PAINT-202-1 & 2][Note that the red paints on the roof eave over the beige paints are considered similar; the red paints were not sampled due to traffic safety constraints];
- Red exterior paints on the metal walls, typical for all of the toll booths, and on the concrete upper roof eaves [SCA Sample I.D. PAINT-203-1];
- Gray caulking on the concrete curb seams, sampled at Toll Booth #9, and typical for all of the toll booths [SCA Sample I.D. CAULK-204-1];
- Gray rolled roofing and tar on concrete substrate on the upper Toll Plaza roof [SCA Sample I.D. RFROLL-001-1 & 2];
- Tan caulking on the sheet metal electrical boxes located on the upper Toll Plaza roof [SCA Sample I.D. CAULK-002-1];
- Black/gray mastics at penetrations on the upper Toll Plaza roof [SCA Sample I.D. PENMAS-003-1 & 2];
- Silver paints on the conduit, metal framing, sheetmetal flashing, etc., on the upper Toll Plaza roof [SCA Sample I.D. PAINT-004-1];
- Rubber floor mats with no mastic or glue, placed over concrete floors, typical for all of the toll booths [SCA Sample I.D. FL-NNN];
- Red painted window glazing, typical for all of the toll booths [SCA Sample I.D. WL-NNN];
- Black and gray rubber window gaskets, typical for all of the toll booths [SCA Sample I.D. GASKET-NNN]; and
- Clear silicone caulking on the interior metal cabinets and exterior window frames, typical for all of the toll booths [SCA Sample I.D. CAULK-NNN].

Lead-based paints (LBP), as defined by U.S. Department of Housing and Urban Development (HUD), were identified in the building, including but not necessarily limited to the following:

- Red chipped paints on the structural steel beams, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-04-1, with 10.1 mg/cm²].
- Red chipped paints on the exterior metal rails, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-08-1, with 1.1 mg/cm²].
- Black chipped paints on the exterior metal beam, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. BK-09-1, with 4.5 mg/cm²].

- Red chipped paints on the exterior metal walls, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-11-1, with 1.5 mg/cm²].
- Beige peeling paints on the concrete upper Toll Plaza roof [SCA Sample I.D. BE-12-1, with 3.9 mg/cm²].

All other tested paints have a lead content below the HUD definition for LBPs. All site paints shall be treated as having a lead content greater than 600 ppm requiring demolition dust controls and personal protective procedures in compliance with Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1.

In general, any interior and exterior paints found to be peeling and chipping will require stabilization or scraping prior to the proposed renovations or demolition. All intact painted substrates may be removed and disposed of as non-hazardous waste.

2.0 Introduction

This report summarizes the results of the full demolition hazardous materials survey conducted Golden Gate Bridge at Golden Gate Bridge Toll Plaza in San Francisco, CA (hereafter referred to as "the Building") on May 3, 2013. The purpose of the survey was to determine the presence of regulated and/or potentially hazardous building materials in the toll booths, some of which are slated for demolition. Materials addressed in the survey include:

- Asbestos-containing materials (ACM);
- Lead-based paints (LBP); and
- Other environmental hazards as noted.

Individuals involved in the survey, and their technical certifications, include:

SCA Staff	Role	Certifications
Glenn R. Cass, PE, CIH, CAC	Sr. Project Consultant	<ul style="list-style-type: none"> • Professional (Mechanical) Engineer (PE #M18976), since 1978. • Certified Industrial Hygienist (CIH #A4847). • Cal/OSHA Certified Asbestos Consultant (CAC #92-0092). • California Dept. of Public Health Certified Lead Inspector/Assessor, Project Designer & Project Monitor (CDPH #I/D/M-717). • OSHA 40-hr. HAZWOPER Training per 29 CFR 1910.120(e).
Jerry Cook, CAC	Sr. Project Manager	<ul style="list-style-type: none"> • Cal/OSHA Certified Asbestos Consultant (CAC #01-2925). • California Dept. of Public Health Certified Lead Inspector/Assessor (CDPH #1-9083). • OSHA 40-hr HAZWOPER Training per 29 CFR 1910.120(e).

The contract laboratory that provided analytical services for the project was:

Laboratory	Analysis Type	Accreditation
Asbestos TEM Laboratories, Berkeley, CA	Bulk Asbestos Analysis by Polarized Light Microscopy (PLM)	<ul style="list-style-type: none"> • National Voluntary Laboratory Accreditation Program (NVLAP # 101891-0). • American Industrial Hygiene Association (AIHA #101754). • National Lead Laboratory Accreditation Program (NVLAP). • California Environmental Laboratory Accreditation Program (ELAP #1866).

The Golden Gate Bridge Toll Plaza consists of 11 metal-framed toll collection booths, with concrete floors, and metal walls and roofs. The Toll Booth interiors have unpainted concrete floors, painted metal walls, and laid-in acoustical ceiling tiles. The Toll Plaza upper roof is a concrete deck with rolled roofing on the roof field.

3.0 Methodology

3.1 Asbestos Containing Materials

Asbestos sampling was performed in a fashion designed to minimize exposure of the surveyor or others to airborne asbestos fibers. Samples were typically removed from the substrate utilizing a knife or hollow drill bit bored through a wet sponge; the sample material was then placed into an airtight plastic vial. The vial's exterior was decontaminated with a wet sponge, and a unique sample I.D. written on the vial. The vial was then stored in a plastic bag. Sample substrates were patched with a high-temperature caulking compound, where required.

Samples of suspect materials were collected using triplicate sampling procedures. Under these procedures, the first sample is analyzed. If it tests positive for asbestos (>1%), the analysis is suspended for further samples of that material. If the first sample tests only trace positive (between 0.1 to 1%), or negative, then the second and third samples are analyzed sequentially, in order to determine the possible presence of asbestos. If all three samples test negative, the material is considered as non-asbestos. If one or more samples test "trace" positive (<1%), the material is considered to be trace positive. If one or more samples are positive for asbestos, the material is considered positive.

Certain materials, such as plasters and gypboard or sheetrock systems, are frequently non-homogeneous in content. For such materials, multiple samples were gathered at various points in the building, with all samples analyzed to determine the possible presence of asbestos.

All asbestos samples collected were submitted to ATEM for analysis by polarized light microscopy with dispersion staining (DS/PLM). The Bay Area Air Quality Management District's (BAAQMD), the Federal Environmental Protection Agency's (EPA), and California Environmental Protection Agency's (Cal/EPA) regulations all specify the DS/PLM method.

3.2 Lead-Based Paints

Construction records or drawings concerning paints in the buildings were not available. Paint samples from different exterior surfaces were analyzed *in-situ* to identify the presence and extent of lead-containing paints. This included samples from exterior finishes throughout the building. Samples were analyzed using a Niton XL-700 X-Ray Fluorescence (XRF) spectrum analyzer. The XRF analyzer can measure lead contents of several layers of paint without disturbing the surfaces, thus giving immediate feedback on lead contents of paint without destructive testing. The XRF is sensitive to 0.1 milligrams per square centimeter (mg/cm^2) of lead, or well below HUD guideline levels of $1.0 \text{ mg}/\text{cm}^2$ of lead in paints.

XRF analysis data are reported as L-shell values. The L-shell value is the lower energy fluorescence showing the level of the surface layer that is readily disturbed and potentially made airborne, thereby posing a potential construction health hazard.

Please note that although LBP were defined against the HUD standard, Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1, applies to all paints with any measured lead content, requiring dust control measures to reduce airborne and ingestion lead dust hazards.

4.0 Applicable Standards

4.1 Asbestos-Containing Materials

ACM is defined by EPA regulations as those substances containing greater than 1% asbestos. The BAAQMD and the Cal/EPA provide local enforcement of these regulations. Friable ACM with greater than 1% asbestos needs to be disposed of as asbestos waste.

Prior to demolition of a building, the BAAQMD requires abatement of Regulated Asbestos Containing Materials RACM (practically, this means all friable and non-friable ACM).

RACM is defined as (a) Friable – the material can be crumbled, pulverized or reduced to powder by hand pressure, (b) Category I that are subjected to sanding, grinding, cutting or abrasion, (c) Category I materials that becomes friable during demolition or renovation activities, or (d) Category II materials that become friable during demolition or renovation activities.

Federal Occupational Safety and Health Administrations (OSHA) regulations, locally enforced by CAL/OSHA, defines ACM as substances that contain greater than 1% asbestos. Cal/OSHA also mandates special training, medical exams, personal protective equipment and record keeping for employees working with ACM. If a material contains less than 1% asbestos but more than 0.1% asbestos, the material may be disposed of as non-ACM, but the Cal/OSHA requirements would still have to be followed regarding workers' protection and Contractor licensing.

"Trace" materials are currently regulated in California and require the following:

- Removal using wet methods;
- Prohibition of removal using abrasive saws or methods which would aerosolize the material;
- Prompt clean-up of the impacted zone, using HEPA-filtered vacuums, as applicable;
- Employer registration by Cal/OSHA for removal quantities exceeding 100 sq. ft. per year; and
- Cal/OSHA Carcinogen Registration by the Demolition or Abatement Contractor impacting such materials.

Further detail regarding various California asbestos regulations can be found from the following websites:

- <http://www.dir.ca.gov/title8/1529.html>
- <http://www.ciwmb.ca.gov/regulations/title14/ch35.htm>
- http://www.dtsc.ca.gov/LawsRegsPolicies/Title22/upload/OEARA_REG_Title22_Ch11_Art3.pdf
- <http://www.baaqmd.gov/dst/regulations/rg1102.pdf>
- <http://www.epa.gov/asbestos/pubs/help.html>
- <http://www.epa.gov/asbestos/pubs/asbreg.html>

4.2 Lead-Based Paints

Since elemental lead is a suspect carcinogen and known teratogen and neurotoxic in high doses, lead-containing materials need to be identified prior to the on-set of demolition activities. Using combinations of engineering controls and personal protective equipment, lead-containing materials can be remediated safely. Several sources of applicable standards are listed as follows:

1. Occupational Exposure: Lead exposures in the workplace are regulated by Cal/OSHA, which has certain regulatory requirements for identifying and controlling potential lead exposures. Currently applicable regulations for the construction industry have been adopted by Cal/OSHA (8 CCR 1532.1) from the Federal OSHA regulations. The current OSHA 8-hour Permissible Exposure Level (PEL) for lead is 50 $\mu\text{g}/\text{m}^3$.
2. Lead Waste: The regulatory standards regarding lead waste disposal are confusing at best, inconsistent, and continually fluctuating, to varying degrees. No consistent pattern exists regarding whether the trend is for a more or less conservative standard. A myriad of recommended and regulatory standards exist characterizing land use planning objectives and hazardous waste disposal requirements.

In California, effective from January 1, 1999 to July 1, 2006, loose and peeling LBP or other wastes require characterization and testing for leachability, following the standards noted below:

- a. If the Total Threshold Level Concentration (TTLC) is <50 ppm, it is considered non-RCRA, non-hazardous waste since it is impossible to exceed the WET test limit of 5 mg/l using the 10 to 1 ratio.
- b. If the TTLC is <350 ppm and the WET test is <5 mg/l then the waste has low leachability and is classified non-RCRA non-hazardous waste.
- c. If the TTLC is >350 ppm and the WET test is <5 mg/l then it again has low leachability and is classified as non-RCRA, non-hazardous waste.
- d. If the TTLC is >350 ppm and the WET test results are >5 mg/l, then the TCLP must be run. Then if the TCLP is >5 mg/l the waste must be stabilized and if <5-mg/l stabilization is not required. Whether stabilized or not, both conditions are classified as RCRA hazardous waste.

The 350 ppm limit under Health & Safety Code §25157.8 sunset on July 1, 2006 and reverted to the previous 1,000 ppm TTLC limit identified under Title 22 §66261.34. Nevertheless, SCA recommends maintaining the 350 ppm standard for waste characterization purposes as the likelihood of this level being reestablished is high.

Please note that in the above scenario, loose and peeling paints are treated as a separate waste stream; whereas, intact paints may be combined for disposal purposes and classified as 'architectural waste.' This has allowed for disposal of painted concrete in a Class 3 landfill for many years without limitations. In essence, the total weight of the paint versus the weight of a concrete substrate for intact paints is negligible. One must keep in mind that because of the heterogeneity of typical waste streams, some subsamples or components of that waste stream may exceed hazardous waste thresholds if subsamples or components are small enough. To account for this heterogeneity, waste classification decisions are normally made by DTSC for the 'average' properties of an identified waste stream.

The EPA in 1998 passed a rule which suspended temporarily the applicability of the Resource Conservation and Recovery Act (RCRA) Toxicity Characteristic (TC) Rule (40 CFR 261.24) to debris generated during lead-based paint (LBP) abatement projects conducted at target housing; deleading projects conducted at public or commercial buildings; and renovation or remodeling and demolition activities at target housing, public buildings, or commercial buildings. Instead of being subject to the TC Rule, LBP debris resulting from the above-mentioned activities would be subject to the management and disposal standards being proposed today under Title IV of the Toxic Substances Control Act (TSCA). The EPA proposed this temporary suspension of the TC rule in accordance with RCRA sections 1006(b)(1) and 2002 to avoid duplication and inconsistent regulation of LBP debris and to allow the Agency sufficient time to assess whether any RCRA requirements, in addition to TSCA Title IV requirements, are necessary to assure proper management and disposal of such debris.

In 1998, the California Department of Toxic Substance Control (DTSC) also reclassified lead construction debris waste from RCRA to TSCA. At that time DTSC retracted their earlier statement allowing for disposal of 'architectural waste' in Class 3 landfills, but they failed to fully clarify the disposal requirements since the sunset of Health and Safety Code §25157.8 on July 1, 2006, as mentioned above. While a number of generators, including Fort Ord, have run pilot programs to quantify the impacts of crushing and reuse of painted concrete on-site, DTSC has failed to fully analyze these data and fully clarify

its earlier ruling.

Dilution of RCRA hazardous waste for this purpose is specifically disallowed under 40 CFR Part 261. In the case of recycling of 'architectural waste' from Fort Ord, CA, the DTSC stated that the waste stream was not being diluted, since no materials were being added to the waste stream. DTSC further went on to encourage recycling and reuse of waste materials as much as possible. The Fort Ord operations did, however, occur on federal lands and to that extent they were not necessarily bound to state regulations.

While DTSC encourages the recycling of painted substrates, where feasible, many local concrete recycler are now hesitant to accept any painted substrates. Waste disposal in such cases must assess the economic impacts of substrate stripping for recycling versus the disposal as of painted substrates within an approved landfill. Local ordinance requirement for waste recycling may have bearing on the ultimate determination of the handling and disposal of intact painted substrate.

The following table depicts the current waste characterization requirements for lead wastes:

Table 1: Lead Waste Characterization Requirements

Condition	TILC	STLC		non-haz waste	CalHaz (nonRCRA)	Fed Haz (RCRA)	Stabilization Required	Landfill Class
	1000	5						
	Total Pb (mg/kg)	WET Pb (mg/L)	TCLP Pb (mg/L)					
1a	<50 (a1)	NA		Yes	no	no	no	III
1b	<100 (a2)		NA	Yes	no	no	no	III
2a	50 to <1000	<5	<5	Yes (c)	no	no	no	III or II (d)
2b		>5	<5	no	Yes	no	no	I
2c		>5	>5	no	Yes	Yes	Yes	I
2d (b)		<5	>5	no	no	Yes	Yes	I
3a	>1000	<5	<5	No	Yes	No	no	I
3b		>5	<5	no	Yes	no	no	I
3c		>5	>5	no	Yes	Yes	Yes	I
3d (b)		<5	>5	no	no	Yes	Yes	I
4	any	any	>5	no	no	Yes	Yes	I

- (a1) 50 = 10 x 5 (STLC for Pb). Per WET method, impossible to exceed STLC even if 100% soluble.
- (a2) 100 = 20 x 5 (STLC for Pb). Per TCLP method, impossible to exceed STLC even if 100% soluble.
- (b) Physically impossible due to the stronger acid used in WET than TCLP.
- (c) Landfills will likely require documentation that TCLP is <5, even though TCLP is almost always less than WET.
- (d) Landfill dependent, function of permit, landfill liner, or landfill policy

3. Definitions & Notifications: The major definitions of LBP or lead-coated surfaces are listed as follows:
 - a. HUD defines LBP as paint that contains either $\geq 0.5\%$ by weight of lead, or $\geq 1 \text{ mg/cm}^2$.
 - b. Consumer Product Safety Commission (CPSC) prohibits the manufacturing of paint that contains more than 600 ppm (0.06%) of lead.

Given the myriad of confusing definitions and regulations, this report uses the HUD's definition for the purpose of identifications, but compliance to Cal/OSHA's Construction Lead Standard is required for all paints with any measurable lead content.

4. California Proposition 65: Lead is on the "Proposition 65" list, given its toxic potential in causing reproductive hazards.
5. Worker Certification: The California Department of Public Health (CDPH) requires the use of Certified Lead Workers and Supervisors for lead abatement projects at public buildings with a greater than 20 years

expected life or whenever work is completed specifically to abate lead-based paints as defined by HUD. The CDPH certification requirements do not apply to industrial sites; however, dust controls and personnel protection are still required under 17 CCR Section 35001 through 36100.

6. New Renovation, Repair and Painting Rules finalized by the U.S. Environmental Protection Agency on June 23, 2008, authorized under section 402(c)(3) of the Toxic Substances Control Act (TSCA) require any Contractor or Maintenance Personnel disturbing more than 6 sq. ft. of interior or 20 sq. ft. of exterior lead-based paints (LBPs) in pre-1978 housing or child-occupied facilities to complete EPA-accredited training or 4-hr. EPA-accredited refresher training, as applicable, for lead safe work practices. Persons performing renovations, repairs and/or painting projects in target housing or child-occupied facilities must provide "Renovate Right" brochures to the Owners and occupants after December 22, 2008. Window replacements are subject to the standards. These standards prohibit certain dangerous work practices, such as open flame burning or torching of lead-based paints. Required work practices include posting of warning signs, restricting occupants from work areas, containing work areas to prevent dust and debris from spreading, conducting a thorough cleanup and verifying that the cleanup is effective. Additional rules and information are available at www.epa.gov/lead.

"Certified Renovators" shall perform the following tasks:

- Perform or direct uncertified workers performing regulated renovation activities;
- Provide training to uncertified workers on lead safe work practices;
- Be on-site during key stages of the renovation and otherwise be available on-site or by telephone at other times;
- Use an acceptable lead test kit to determine whether lead-based paints are present in an affected area.

Firms may apply for certification beginning in October 2009 and must be certified by April 2010.

7. Prior to welding or torch-cutting coated metals with a lead content over 600 ppm, the coating should be stripped for a distance of at least four inches from the area of heat application in compliance with 8 CCR 1537.
8. San Francisco Lead-Based Paint Ordinance: The San Francisco Building Department requires tenant and neighborhood notifications and dust control procedures for impacts to exterior HUD-defined and presumed LBPs exceeding 100 sq. ft. This ordinance also prohibits power washing as an abatement method for exterior paints.

4.3 PCB Ballasts and Mercury Lamps

Cal/EPA regulates disposal of both materials. To reduce liability concerns, many building owners opt to have PCB ballasts incinerated, with a record of destruction generated. A slightly less expensive approach involves recycling of the components (and incineration of the small amount of PCB's separately). However, this method may pose liability concerns for building owners.

Mercury-containing lamps are best treated by bundling and recycling. In 2006, mercury-containing lamps, including fluorescent, mercury vapor and CFL's, must be disposed as universal waste.

4.4 Other Hazardous Materials

Cal/EPA regulates disposal of the following additional items as 'universal' hazardous waste:

- Paints, varnishes and stains;
- Cleaning fluids and solvents;
- Batteries (car and household);
- Automotive filters and fluids
- Pesticides, herbicides, fertilizers and poisons;

- Medical waste;
- Television and computer monitors;
- Propane or gas tanks;
- Aerosol containers; and
- Photo chemicals.

5.0 Results and Conclusions

5.1 Asbestos

A total of 12 bulk samples of suspect ACM were collected with 12 materials analyzed considering the multiple layers and serial analyses for some materials. The detailed results are shown in the Laboratory Report in Attachment 1. Sample locations are shown on the drawings included as Attachment 4.

Sampling by SCA in May 2013 found the following ACM:

- None identified by SCA for the typical toll booth.

“Trace” asbestos-containing materials (>0.1% and <1% asbestos by weight) sampled by SCA include:

- None identified by SCA for the typical toll booth.

5.2 Non-Asbestos Materials (non-ACM)

Non-asbestos materials sampled by SCA include:

- 2-ft. by 3-ft. tan fibrous laid-in ceiling tiles, sampled at Toll Booth #9, and typical for all of the toll booths [SCA Sample I.D. CLLI-201-1 & 2];
- Beige exterior concrete paints on the upper roof, typical throughout the underside of the roof [SCA Sample I.D. PAINT-202-1 & 2][Note that the red paints on the roof eave over the beige paints are considered similar; the red paints were not sampled due to traffic safety constraints];
- Red exterior paints on the metal walls, typical for all of the toll booths, and on the concrete upper roof eaves [SCA Sample I.D. PAINT-203-1];
- Gray caulking on the concrete curb seams, sampled at Toll Booth #9, and typical for all of the toll booths [SCA Sample I.D. CAULK-204-1];
- Gray rolled roofing and tar on concrete substrate on the upper Toll Plaza roof [SCA Sample I.D. RFROLL-001-1 & 2];
- Tan caulking on the sheet metal electrical boxes located on the upper Toll Plaza roof [SCA Sample I.D. CAULK-002-1];
- Black/gray mastics at penetrations on the upper Toll Plaza roof [SCA Sample I.D. PENMAS-003-1 & 2];
- Silver paints on the conduit, metal framing, sheet metal flashing, etc., on the upper Toll Plaza roof [SCA Sample I.D. PAINT-004-1];
- Rubber floor mats with no mastic or glue, placed over concrete floors, typical for all of the toll booths [SCA Sample I.D. FL-NNN];
- Red painted window glazing, typical for all of the toll booths [SCA Sample I.D. WL-NNN];
- Black and gray rubber window gaskets, typical for all of the toll booths [SCA Sample I.D. GASKET-NNN]; and
- Clear silicone caulking on the interior metal cabinets and exterior window frames, typical for all of the toll booths [SCA Sample I.D. CAULK-NNN].

5.3 Lead-Based Paints

Lead-based paints (LBP), as defined by U.S. Department of Housing and Urban Development (HUD), were identified at the site, including but not necessarily limited to the following:

- Red chipped paints on the structural steel beams, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-04-1, with 10.1 mg/cm²].
- Red chipped paints on the exterior metal rails, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-08-1, with 1.1 mg/cm²].

- Black chipped paints on the exterior metal beam, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. BK-09-1, with 4.5 mg/cm²].
- Red chipped paints on the exterior metal walls, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-11-1, with 1.5 mg/cm²].
- Beige peeling paints on the concrete upper Toll Plaza roof [SCA Sample I.D. BE-12-1, with 3.9 mg/cm²].

Most site paints were found to be below the HUD LBP criteria, although dust control procedures are required throughout the demolition of painted elements to comply with the Cal/OSHA regulations under 8 CCR 1532.1. All site paints shall be treated as having a lead content greater than 600 ppm requiring dust control procedures in compliance with 8 CCR 1532.1.

Loose and peeling paints should be removed under controlled procedures prior to any demolition of the structure. None of the applicable regulations require removal of LBP prior to demolition or renovation if the paints are securely adhered to the substrates (i.e., non-flaking or non-peeling). Disposal of the demolition debris in this case can be handled as non-hazardous and non-RCRA waste after the loose and flaking paints have been removed, as long as demolition practices do not compromise worker safety.

Conventional demolition techniques should be employed for all painted surfaces with the Contractor complying with applicable OSHA and Cal/OSHA statutes regarding:

- Worker awareness training;
- Exposure monitoring, as needed;
- Medical examinations, including blood lead level testing; and
- Establishing a written respiratory protection program.

6.0 Limitations and Exclusions

SCA warrants that this survey was performed using due care and state of the art techniques. Beyond this, SCA does not warrant or guarantee the survey. Despite the care exercised, some materials may not have been identified, or may have been incompletely identified. This condition may occur due to renovations or original construction practices that concealed older materials, and/or visually similar materials with different compositions.

This document is not a stand-alone document; abatement of materials is recommended to be completed under the oversight and design of an AHERA-accredited Project Designer and Certified Asbestos Consultant. Although due care is exercised in the course of the survey, concealed materials may be found in the course of performing the abatement or demolition; a contingency budget should be included in any cost estimates to cover unexpected conditions.

Attachment 1

Laboratory Results - Asbestos

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Glenn Cass Address: SCA Environmental, Inc. 334 19th Street Oakland, CA 94612	Samples Indicated: 12 Reg. Samples Analyzed: 12 Split Layers Analyzed: 0 Job Site / No. Golden Gate Bridge B10969 - GRC	Report No. 317423 Date Submitted: May-06-13 Date Reported: May-07-13
---	---	--

SAMPLE ID	% ASBESTOS TYPE	OTHER DATA		DESCRIPTION
		1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed		FIELD LAB
GGB-PAINT-203-1	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opg, Other m.p.		
Lab ID # 606-15123-011		3)	4) May-07-13	Paint-Red
GGB-CAULK-204-1	None Detected	1) None Detected 2) 99-100% Calc, Bndr		
Lab ID # 606-15123-012		3)	4) May-07-13	Caulk-Grey
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

Attachment 2

Representative Lead-Based Paint XRF Sampling Results

B-10969 XRF Results

REPRESENTATIVE SAMPLING OF LEAD-BASED PAINTS
 GOLDEN GATE BRIDGE TOLL BOOTHS
 SAMPLED BY SCA ENVIRONMENTAL, INC. ON MAY 3, 2013
 SCA PROJECT NO.: B-10969

Bldg.	Sample I.D.	Sub No.	Location	Floor	Surface Color	Substrate Component	Substrate Material	L-Shell Value mg/cm ²	LBP per HUD Criteria *
Toll Booth #9	RD-01	1	Interior	1	Red	Window	Glass	0.00	No
Toll Booth #9	BK-02	1	Interior	1	Black	Window Frame	Metal	0.00	No
Toll Booth #9	OW-03	1	Interior	1	Off-white	Wall panel	Metal	0.01	No
Toll Booth #9	OW-03	2	Interior	1	Off-white	Window Frame	Metal	0.02	No
Toll Booth #9	RD-04	1	Interior	1	Red	Beam	Metal	10.10	YES
Toll Booth #9	GY-05	1	Interior	1	Gray	Wall Frame	Metal	0.02	No
Toll Booth #9	GY-05	2	Interior	1	Gray	Wall Frame	Metal	0.10	No
Toll Booth #9	BE-06	1	Interior	1	Beige	Roof	Metal	0.01	No
Toll Booth #9	BK-07	1	Exterior	1	Black	Wall	Metal	0.01	No
Toll Booth #9	RD-08	1	Exterior	1	Red	Rail	Metal	1.10	YES
Toll Booth #9	BK-09	1	Exterior	1	Black	Beam	Metal	4.50	YES
Toll Booth #9	WH-10	1	Exterior	1	White	Pavement	Concrete	0.00	No
Toll Booth #9	RD-11	1	Exterior	1	Red	Wall	Metal	1.50	YES
Toll Booth #9	BE-12	1	Exterior	1	Beige	Ceiling	Concrete	3.90	YES
Upper Roof	RD-13	1	Roof	1	Red	Flashing	Metal	0.02	No
Upper Roof	SI-14	1	Roof	1	Silver	Conduit	Metal	0.15	No
Upper Roof	RD-13	2	Roof	1	Red	Beam	Metal	0.00	No
Upper Roof	BK-15	1	Roof	1	Black	Sign	Metal	0.01	No

* HUD definition for Lead-Based Paints is ≥ 1.0 mg/cm² or $\geq 0.5\%$ lead by weight.
 Note: Paints and glazing with a detectable lead content are subject to the Contractor's compliance with Cal/OSHA regulation & CCR 1532.1 during demolition, scraping of loose and peeling paints, spot abatement prior to torching or cutting, etc.
 Figures in bold represent lead-based paints (LBP) per HUD definition.
 Table indicates representative samples only; treat all similarly painted surfaces in kind.

Attachment 3
Field Data Sheets

BLDG NAME: GOLDEN GATE BRIDGE SCA Environmental, Inc.
 Asbestos Material/Sampling
 Data Sheet

BLDG NO:

--	--	--	--	--	--	--	--

 DEPT CODE:

--	--	--	--	--	--	--	--

 Date Inspected: 5/31/13 Page 1 of 3

PROJECT NO. B10969 Inspected By: JC

Sample ID (include BLDG no.)		Sample Location Data				Material Comments (building wide)	
Predominance Group Codes Allowed: blank, A to Z	Linked Material No.	Sample Type		Functional Space		Room or Space Number	DWG ID
		B	Sub- D No.	Space/Room Type	Floor Level		
GGB RF ROOF	001	B	01 02	RF	"	Toll booths upper roof	Gray rolled roofing and tar on concrete 1425 SF
GGB CAULK	002	B	01	RF	"	Toll booths upper roof	Tan CAULK on Electrical boxes on roof 10' x 5' LF 4-5 to sheet
GGB PEN MTS	003	B	01 02	RF	"	Toll booths upper roof	Black/gray mastic st penetrations 30 SF to abate 110 SF total
GGB PAINT	004	B	01	RF	"	Toll booths upper roof	Silver paint on clock base, flashings, conduit etc. 250 SF in demo area
CONCRETE	NNN					Toll booths	concrete floor, no paint for mastic 75 SF per booth

Comments: (please number each comment and reference above)

BLDG NAME: Golden Gate Bridge SCA Environmental, Inc.
 Asbestos Material/Sampling Data Sheet

BLDG NO:

--	--	--	--	--	--	--	--	--	--

 DEPT CODE:

--	--	--	--	--	--	--	--	--	--

 Date Inspected: 5/3/13 Page 2 of 3

PROJECT NO. B10209 Inspected By: JC

Sample ID (include BLDG no.)		Sample Location Data					Material Comments (building wide)	
Predominance Group Codes Allowed: blank, A to Z	HOMOGENEOUS MATERIAL ID	Linked Material No.	Sample Type B D	Sub- No.	Functional Space		DWG ID	Material Comments (building wide)
					Space/Room Type	Room or Space Number		
	<u>GLB CLUT</u>	<u>201</u>	<u>B</u>	<u>01</u>	<u>Toll Booth</u>	<u>9</u>		<u>2' x 3' fib rostan palc-in ceiling tiles 36 SF per booth</u>
	<u>FL</u>	<u>NNN</u>			<u>Toll booth</u>	<u>9</u>		<u>Rubber Floor mats, no mastic or glue on concrete floor 36 SF</u>
	<u>W</u>	<u>NNN</u>			<u>Toll booth</u>	<u>9</u>		<u>Red painted glass windows 400 SF</u>
	<u>GASKET</u>	<u>NNN</u>			<u>Toll booth</u>	<u>9</u>		<u>Rubber gasket on windows 120 SF per booth</u>
	<u>CAULK</u>	<u>NNN</u>			<u>Toll booth</u>	<u>9</u>		<u>Clear silicone caulk on steel cabinets exterior windows/walls 10 SF per booth</u>
	<u>PAINT</u>	<u>202</u> <u>202</u>	<u>B</u>	<u>01</u> <u>02</u>	<u>EXT</u>	<u>Toll booth</u>	<u>9</u>	<u>Beige paint on concrete upper roof 1750 SF (D)</u>
	<u>PAINT</u>	<u>203</u>	<u>B</u>	<u>01</u>	<u>EXT</u>	<u>Toll booth</u>	<u>9</u>	<u>Red paint on metal walls 350 SF per booth</u>

Comments: (please number each comment and reference above)

2 x 2 (4') fluorescent lights, assumed PCB ballasts

(D) Red paint on the concrete upper roof area is painted over the beige paint, the red paint was not sampled due to safety constraints, assumed similar to the beige paint

BLDG NAME: Golden Gate Bridge

BLDG NO:

--	--	--	--	--	--	--	--	--	--

DEPT CODE:

--	--	--	--	--	--	--	--	--	--

PROJECT NO. B10969

Date Inspected: 5/3/13

Inspected By: JC

SCA Environmental, Inc.
Asbestos Material/Sampling
Data Sheet

Page 3 of 3

Sample ID (include BLDG no.)		Sample Location Data					1. Asbest Type 3. Board Type 5. Loose Fit 7. Mud Type 9. Wool Felt 11. Mult. Layers	2. Block Type 4. Paper Wrap 6. Trowelled On 8. Sprayed On 10. Beneath ACM 12. Chunk/Powder	
Predominance Group Codes Allowed: blank, A to Z	HOMOGENEOUS MATERIAL ID	Linked Material No.	Sample Type		Functional Space				DWG ID
			B D	Sub- No.	Space/Room Type	Floor Level	Room or Space Number		
	CAULK	204	B	307	EXT	Floor		9	Gray caulk on concrete wall booth base seam SUR / booth

Comments: (please number each comment and reference above)

(3)rd F.L. per booth exterior - assumed PCB ballasts
1 video camera per booth

BLDG NAME: GOLDEN GATE BRIDGE

SCA Environmental, Inc.
Lead Material/Sampling
Data Sheet

BLDG NO:

--	--	--	--	--	--	--	--	--	--

Date Inspected: 5/3/03

DEPT CODE:

--	--	--	--	--	--	--	--	--	--

Inspected By: SCA/JC
initials

Page 1 of 1

PROJECT NO. B110969

MSDS for this Building

Sample Identification					Sample Location Data										Condition							
Color	Sequential No.		Photo?	XRF="X" AA="A" TLC="T"	Sample Type	Typical Substrate Component	Typical Substrate Material	Functional Space		Coordinates			K-SHELL	L-SHELL	TIME (secs.)	DEPTH INDEX	CONF. INTERVAL	Intact	Peeling	Chipped	Comment #	
	Sub No.	No.						Room Type	Floor Level	Space or Room Type	ht ft	Distance to wall or column line										
												N/S from column line # ft										E/W from column line # ft
RD	01	01	X		WINDOW	GLASS	01	INT	Booth #9			0	02									
BK	02	01	X		FRAME	Metal						0	01									
OW	03	01	X		WINDOW PANE	"						0	02									
OW	03	02	X		WINDOW FRAME	"						0	02									
RD	04	01	X		Beam	Steel						0	02		168					X		
GY	05	01	X		Frame	"						02	06									
GY	05	02	X		"	"						02	06									
BE	06	01	X		Roof	Metal						01	08									
BK	07	01	X		WALL	"		EXT.	Roof #10			01	01									
RD	08	01	X		RAIL	"						01	07									
RD	09	01	X		BEAM	"						4.5	68							X		
WH	10	01	X		Roof	Concrete						0	01							X		
RD	11	01	X		WALL	Metal						1.5	1.2							X		
BE	12	01	X		CEILING	CONCRETE						3.9	4.7							X		
RD	13	01	X		Flashing	metal		RF	Roof - Main			02	17							X		
SI	14	01	X		Conduit	"						15	6							X		
RD	13	02	X		Beam	"						0	02							X		
BK	15	01	X		Sign	Metal						01	01							X		

Comments: (please number each comment and reference above)

OW: 0856 WH: 01.02 01.04 *of wall panel of upper roof of*
 OW: 1150 RD: 1.01.03 1.01.03 *fall both section*
 OW: 1.51.4 1.41.7
 (3) Red paint on the concrete upper roof edge is similar.

Color ID:	BK=black	OW=off-white	TN=tan	GY=gray	BR=brown	YW=yellow	PE=purple	PK=pink
	BL=blue	BE=beige	WH=white	GR=green	RD=red	CR=cream	OE=orange	CN=crimson

Attachment 4

Sampling Location Drawings

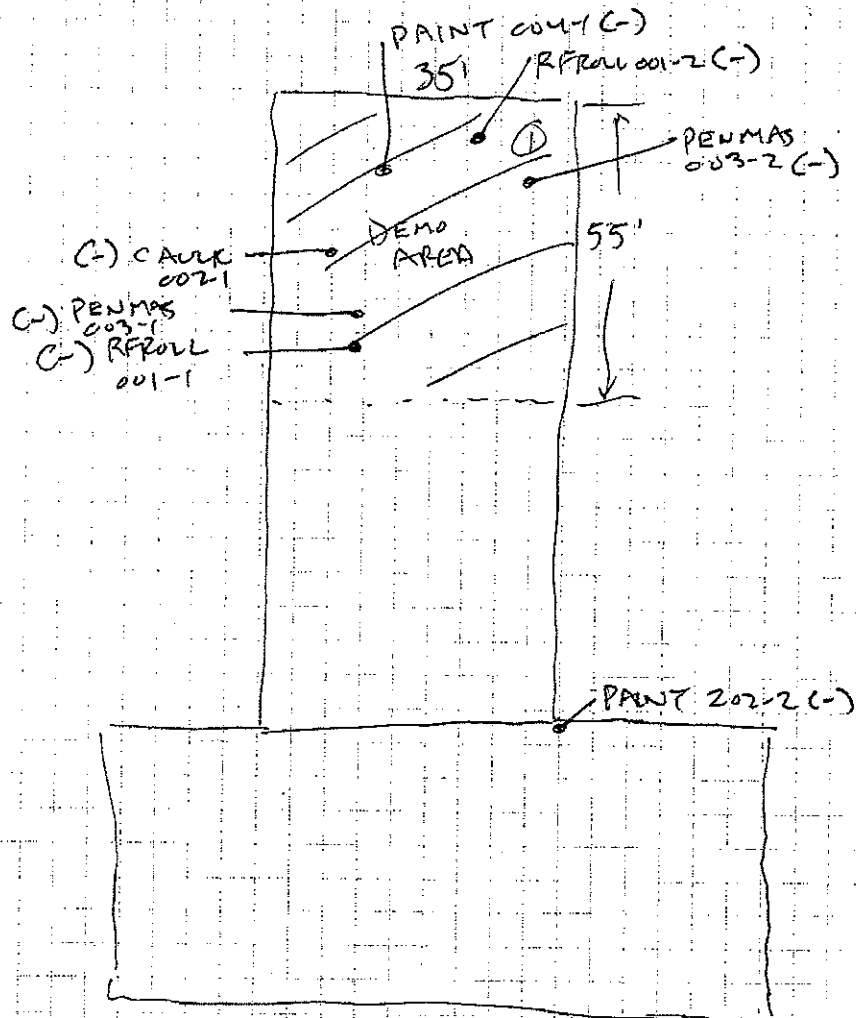
SCA

Environmental, Inc.
334 19th Street
Oakland, CA 94612
tel: (510) 645-6200
efax: (415) 962-0736

Title:
Project:
Project No:
Drawn By:
Checked By:
Date:

ASBESTOS SAMPLING LOCATIONS
GOLDEN GATE BRIDGE TOLL BOOTHS
B-10969
JC
GRC
5/31/13

Figure 1
Scale: NTS



Q. Power formula Dry-type transformer



DEMOLITION AREA

Asbestos Sampling Locations
(-) Non asbestos-containing material
(+) Asbestos-containing material (<1%)

SCA

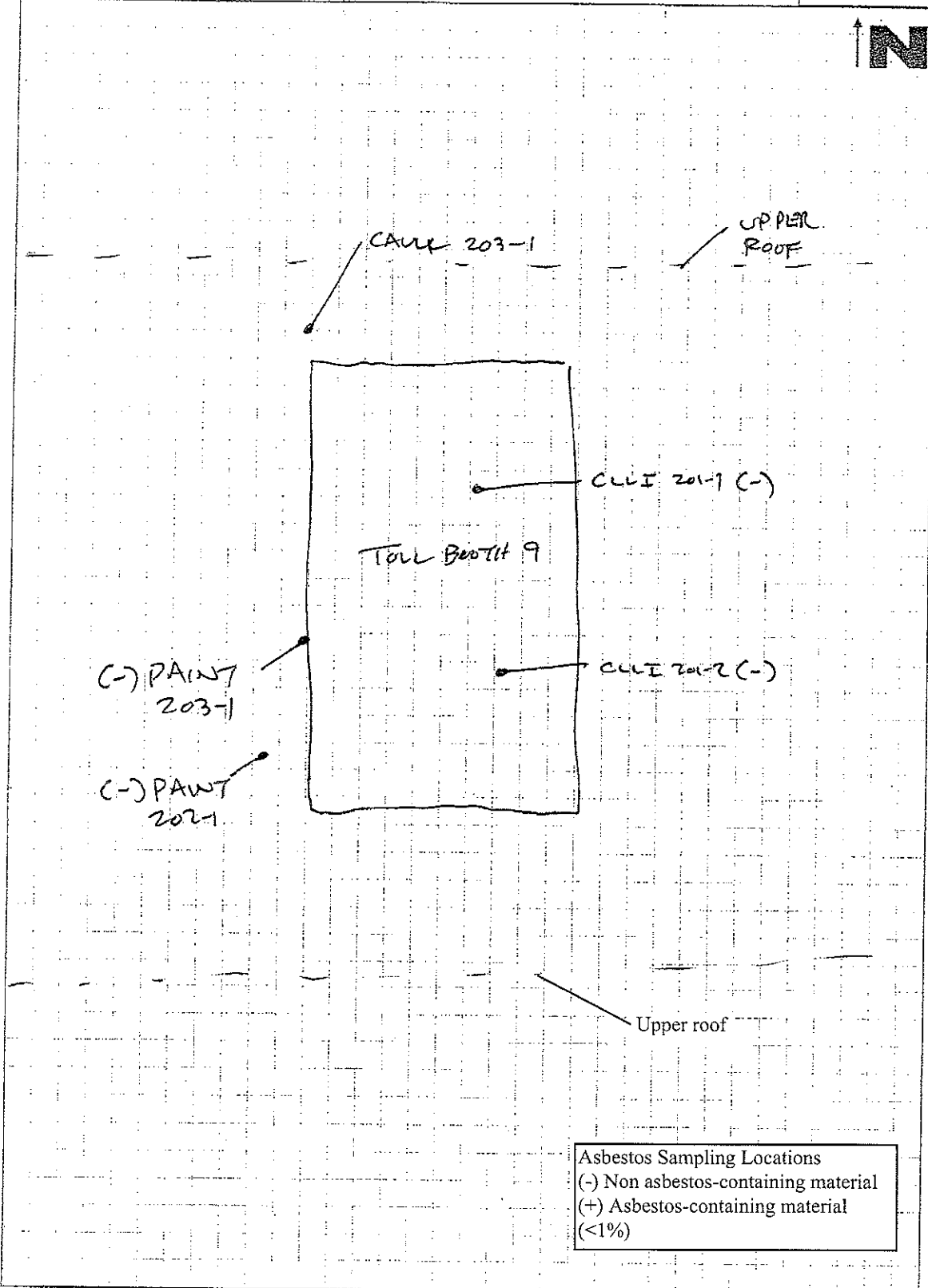
Environmental, Inc.
334 19th Street
Oakland, CA 94612
tel: (510) 645-6200
efax: (415) 962-0736

Title:
Project:
Project No:
Drawn By:
Checked By:
Date:

ASBESTOS SAMPLING LOCATIONS
GOLDEN GATE BRIDGE TOLL BOOTHS
B-10969
JC
GRC
5/3/13

Figure 2

Scale: NTS



SCA

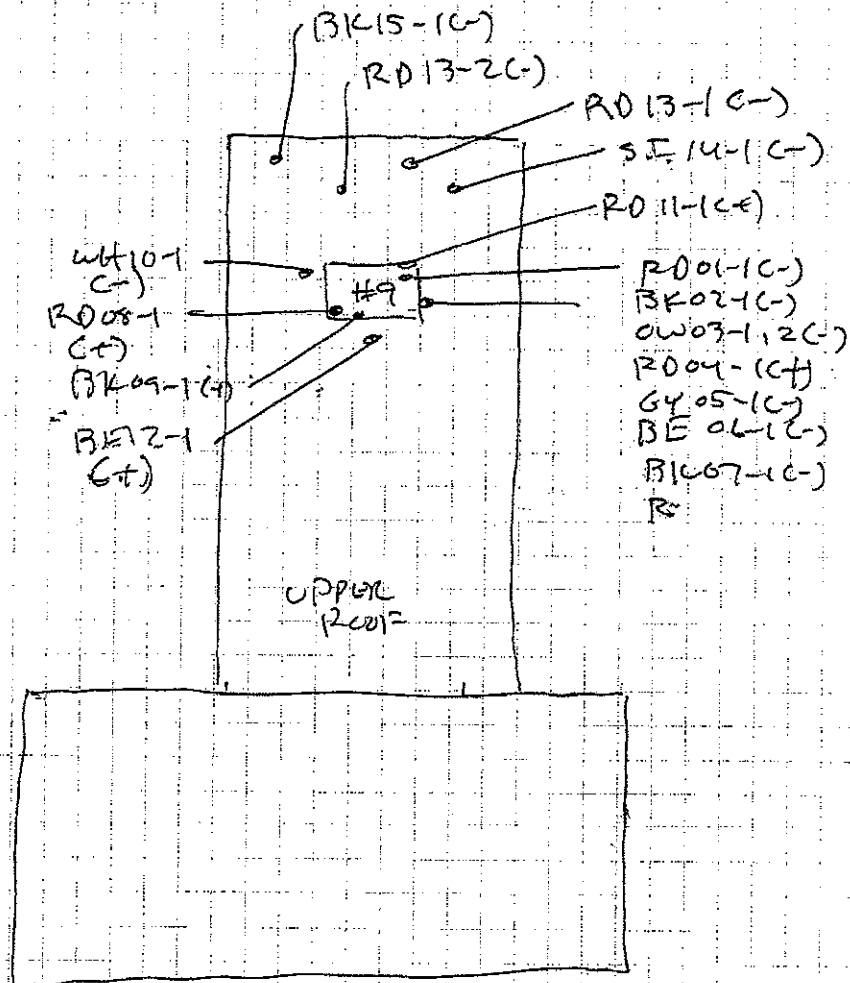
Environmental, Inc.
334 19th Street
Oakland, CA 94612
tel: (510) 645-6200
efax: (415) 962-0736

Title:
Project:
Project No:
Drawn By:
Checked By:
Date:

XRF SAMPLING LOCATIONS
GOLDENGATE BRIDGE
B-10969
JC
ERC
5/3/13

Figure 3

Scale: NTS



Lead XRF Sampling Locations
(-) Non HUD-defined Lead-based paint (<1 mg/m²)
(+) HUD-defined Lead-based paint (≥1 mg/m²)

Attachment 5

Hazardous Materials Summary Table

B-10969 Matrix Table

Summary of Hazardous Materials													
Golden Gate Bridge Toll Booth Plaza													
Surveyed by SCA Environmental, Inc. on May 3, 2013													
SCA Project No.: B-10969													
Floor	Room	Floor Materials	Qty	% Asbestos	Wall Materials	Qty	% Asbestos	Ceiling Materials	Qty	% Asbestos	Misc.	Qty	% Asbestos
1st	Toll Booths #1-11	Concrete-NNN	75 SF	Not Suspect	PAINT-203	200 SF	ND	Metal-NNN	40 SF	Not Suspect	RFROLL-001	1925 SF in ND Demolition Area	ND
	Toll Booths #1-11				Metal-NNN	60 SF	Not Suspect	CLLI-201	36 SF	ND	CAULK-002	25 LF in ND Demolition Area	
	Toll Booths #1-11				WL-NNN	400 SF	Not Suspect				PENMAS-003	30 SF in ND Demolition Area	
Roof	Toll Plaza Upper Roof										PAINT-004	250 SF in ND Demolition Area	
	Toll Plaza Upper Roof										PAINT-202	1925 SF in ND Demolition Area	
	Toll Plaza Upper Roof										CAULK-204	5 LF ND	
1st	Throughout										CAULK-NNN	110 LF	Not Suspect
	Throughout										Mercury-containing Lamps & Thermostats	88 total	
	Throughout										Assumed PCB-containing ballasts	44 total	
	Throughout										Video Cameras	11 total	
Notes:													
ND = None Detected													
CH = Chrysotile													
AM = Amosite													
NQ = Not Quantified													
Note that asbestos-containing materials are noted within the shaded boxes													

Attachment 6

Abatement Work Plan

SECTION 02 26 00

ASBESTOS AND LEAD ABATEMENT WORK PLAN

TABLE OF CONTENTS

PART 1	- GENERAL	1
1.1	SUMMARY OF WORK	1
1.2	SUBMITTALS	1
1.3	SCHEDULE	2
1.4	CONTACTS:	2
1.5	SECURITY	2
1.6	SPECIAL CONDITIONS	2
1.7	SUMMARY OF SAMPLING RESULTS:	3
PART 2	- PRODUCTS (MATERIALS AND EQUIPMENT)	4
PART 3	- EXECUTION	4
3.1	LEAD HAZARD PROCEDURES	4
3.2	MONITORING AND CLEARANCES	6
3.3	DIAGRAMS	7

SECTION 02 26 00

ASBESTOS AND LEAD ABATEMENT WORK PLAN

PART 1 - GENERAL**1.1 SUMMARY OF WORK**

The work covered by this work plan includes the removal, handling and disposal of various hazardous materials in accordance with applicable federal, state and local regulations at the designated site.

A copy of this Abatement Work Plan is to be posted on-site during the abatement work.

The Abatement Summary of Work includes the following (as designated):

<input checked="" type="checkbox"/>	Scraping and stabilization of loose and peeling paints as required for disposal of intact painted elements as non-hazardous waste, including associated dust controls and personal protective procedures in compliance with Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1 and CDPH regulation 17 CCR Sections 35001 through 36100.
<input checked="" type="checkbox"/>	Spot abatement and disposal of wastes for primers and lead-containing paints on structural steel elements prior to torching, cutting, etc., including dust controls and personal protective procedures in compliance with Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1 and CDPH regulation 17 CCR Sections 35001 through 36100.
<input checked="" type="checkbox"/>	Disposal or recycling of cameras and electronic equipment.
<input checked="" type="checkbox"/>	Removal and disposal of PCB-containing ballasts, as designated.
<input checked="" type="checkbox"/>	Removal and recycling of mercury-containing lamps.

1.2 SUBMITTALS**Pre-job Submittals (as designated):**

<input checked="" type="checkbox"/>	Cal/OSHA Lead Hazard Notification per 8 CCR 1532.1 (twenty four (24) hours in advance).
<input checked="" type="checkbox"/>	CDPH Notification Form CDPH 8551 (12/97) for Abatement of Lead Hazards.
<input checked="" type="checkbox"/>	Notification to San Francisco Building Inspections Dept. and tenants in compliance with SF Lead-Based Paint Ordinance.
<input checked="" type="checkbox"/>	Copy of current Contractors' State Licensing Board (CSLB) License.
<input checked="" type="checkbox"/>	Copy of Cal/OSHA Asbestos Registration Certificate.
<input checked="" type="checkbox"/>	Proof of all required permits or variances.
<input checked="" type="checkbox"/>	Abatement work schedule.
<input checked="" type="checkbox"/>	Abatement work plan(s).
<input checked="" type="checkbox"/>	Copies of CDPH Certified Lead Worker's and Supervisor's training certificates, as applicable;
<input checked="" type="checkbox"/>	Copies of workers' annual lead awareness training certificates.
<input checked="" type="checkbox"/>	Copies of workers' annual medical exam and respirator approval.
<input checked="" type="checkbox"/>	Copies of workers' twelve (12) month respirator fit testing records.
<input checked="" type="checkbox"/>	Copies of workers' blood lead test within past ninety (90) days.
<input checked="" type="checkbox"/>	Material Safety Data Sheets (MSDS) for chemicals used.
<input checked="" type="checkbox"/>	Emergency phone and pager listing.
<input type="checkbox"/>	Independent third-party DOP testing of negative pressure units and vacuums.
<input type="checkbox"/>	Proposed location of locked dumpster.
<input type="checkbox"/>	Rotameter calibrations within past six (6) months.

Periodic Submittals (as designated):

<input checked="" type="checkbox"/>	Personal air monitoring (daily).
<input checked="" type="checkbox"/>	Updated worker documentation (as needed).
<input checked="" type="checkbox"/>	Boundary access logs (daily).
<input checked="" type="checkbox"/>	Negative pressure records (daily).
<input checked="" type="checkbox"/>	Copies of updated notification to regulatory agencies (as needed).

Project Close-out Submittals (as designated within two (2) weeks of completion):

<input checked="" type="checkbox"/>	Certificate of Completion.
<input checked="" type="checkbox"/>	Receipt and weight tickets from landfill operator or recycler (as applicable).
<input checked="" type="checkbox"/>	Copies of completed uniform waste manifests, including hazardous and non-hazardous waste.
<input checked="" type="checkbox"/>	Waste profiling data (TCLP, WET and SW846, as applicable).
<input checked="" type="checkbox"/>	Filter change logs for all filtration units, water filtration units (as applicable) and respirators.
<input checked="" type="checkbox"/>	Foreman's daily job reports.
<input checked="" type="checkbox"/>	Employee and visitor entry/exit logs for all containments.
<input checked="" type="checkbox"/>	Manometer printouts for all applicable containments.
<input checked="" type="checkbox"/>	Air sample results for all personnel, work areas and air filtration units.

1.3 SCHEDULE

Start Date:	To be determined.
End Date:	To be determined.
Maximum Abatement Shifts:	To be determined.
Time frame:	To be determined.

1.4 CONTACTS:

Contact	Individual	Phone #	FAX #	Cell #
AECOM's Project Manager:	Carmen Goodell	(510) 879-4510		carmen.goodell@aecom.com
SCA Environmental, Inc.'s Project Manager	Glenn Cass, PE, CIH	(510) 267-2723	(415) 962-0736	(510) 517-1119 or gcass@sca-enviro.com

Note: Contact the Bridge District's Project Manager only in an emergency.

1.5 SECURITY

Arrange site security with the Bridge District at the beginning of the job.

Provide temporary security at building penetrations created by the demolition and abatement.

1.6. SPECIAL CONDITIONSAir Sampling:

- During all lead hazard-related work, such as demolition, torching and welding activities, etc., as applicable, perimeter air sample and/or lead wipe sample results will be collected by the *Owner*'s Environmental Consultant (Industrial Hygienist). These samples will be analyzed by flame atomic absorption. Wipe sample results which are in excess of the construction dust control standard of eight hundred micrograms per square foot (>800 µg/SF) for adjoining construction zones on two (2) consecutive

samplings (or two (2) consecutive days) or forty 40 micrograms per square foot (>40 µg/SF) for adjoining occupied (floor) areas on any occasion will require isolation and clean-up of the affected areas. Air sampling results in excess of the Cal/OSHA "Project Action Level" of thirty micrograms per cubic meter (>30 µg/m³) will require isolation of the work area and amendment of work procedures and/or clean-up of the affected areas. Resampling of the affected areas and handling, shipping, and analysis charges (including the Environmental Consultant's time and expenses) for additional sampling required to show background levels below these construction lead standards shall be borne by the Contractor.

Submittals:

1. All pre-construction submittals shall be forwarded to the Bridge District's Project Manager and the Bridge District's designated representative in the Contract Documents and herein.
2. Failure by the Contractor to fulfill the submittal requirements as specified in the Contract Documents and herein shall be the basis for withholding final payment until such submittal requirements are satisfied.

Waste Manifests:

1. The Contractor shall coordinate the inspection and signing of all waste manifests with the Bridge District and its Environmental Consultant, while on-site. Failure to complete the manifests or callbacks after completion of the project will be backcharged to the Contractor.

1.7 SUMMARY OF SAMPLING RESULTS:

Asbestos-containing materials identified include:

- No identified for the toll booths or roof structure.

Non-asbestos materials identified, which may be impacted by the renovations include:

- 2-ft. by 3-ft. tan fibrous laid-in ceiling tiles, sampled at Toll Booth #9, and typical for all of the toll booths [SCA Sample I.D. CLLI-201-1 & 2];
- Beige exterior concrete paints on the upper roof, typical throughout the underside of the roof [SCA Sample I.D. PAINT-202-1 & 2][Note that the red paints on the roof eave over the beige paints are considered similar; the red paints were not sampled due to traffic safety constraints];
- Red exterior paints on the metal walls, typical for all of the toll booths, and on the concrete upper roof eaves [SCA Sample I.D. PAINT-203-1];
- Gray caulking on the concrete curb seams, sampled at Toll Booth #9, and typical for all of the toll booths [SCA Sample I.D. CAULK-204-1];
- Gray rolled roofing and tar on concrete substrate on the upper Toll Plaza roof [SCA Sample I.D. RFROLL-001-1 & 2];
- Tan caulking on the sheet metal electrical boxes located on the upper Toll Plaza roof [SCA Sample I.D. CAULK-002-1];
- Black/gray mastics at penetrations on the upper Toll Plaza roof [SCA Sample I.D. PENMAS-003-1 & 2];
- Silver paints on the conduit, metal framing, sheet metal flashing, etc., on the upper Toll Plaza roof [SCA Sample I.D. PAINT-004-1];

- Rubber floor mats with no mastic or glue, placed over concrete floors, typical for all of the toll booths [SCA Sample I.D. FL-NNN];
- Red painted window glazing, typical for all of the toll booths [SCA Sample I.D. WL-NNN];
- Black and gray rubber window gaskets, typical for all of the toll booths [SCA Sample I.D. GASKET-NNN]; and
- Clear silicone caulking on the interior metal cabinets and exterior window frames, typical for all of the toll booths [SCA Sample I.D. CAULK-NNN].

Lead-based paints (LBP), as defined by U.S. Department of Housing and Urban Development (HUD), were identified in the building, including but not necessarily limited to the following:

- Red chipped paints on the structural steel beams, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-04-1, with 10.1 mg/cm²].
- Red chipped paints on the exterior metal rails, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-08-1, with 1.1 mg/cm²].
- Black chipped paints on the exterior metal beam, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. BK-09-1, with 4.5 mg/cm²].
- Red chipped paints on the exterior metal walls, sampled at Toll Booth #9, and considered typical for all of the toll booths [SCA Sample I.D. RD-11-1, with 1.5 mg/cm²].
- Beige peeling paints on the concrete upper Toll Plaza roof [SCA Sample I.D. BE-12-1, with 3.9 mg/cm²].

Treat all similar paints and substrates in kind. Note that most building paints contain some lead content, and require demolition dust control procedures for compliance with Cal/OSHA's Construction Lead Standard under 8 CCR 1532.1.

Scrape and stabilize all loose and peeling paints on-site and characterize for possible disposal as hazardous waste. Intact painted elements may be disposed as non-hazardous waste complying with dust controls and personal protective procedures per Cal/OSHA regulation 8 CCR 1532.1 and CDPH regulation 17 CCR Sections 35001 through 36100.

PART 2 - PRODUCTS (MATERIALS AND EQUIPMENT)

NOT USED

PART 3 - EXECUTION

3.1 LEAD HAZARD PROCEDURES

Lead Hazards Construction Work:

Zone L-1: Interior & Exterior Paint Demolition and/or Stabilization and Dust Clean-up				
Sample I.D.	Color	Area	Lead Content	Activity Class
HUD-defined Lead-Based Paints or Glazing	Varies	See Section VII above	≥5,000 ppm or ≥0.5% or ≥1 mg/cm ²	1
Majority of painted substrates	Varies	See Section VII above	>600 ppm	1

Lead Hazard Procedures for Zone #L-1 (Applicable Indicated):

Decon System:	<input type="checkbox"/> Shower	<input type="checkbox"/> Central	<input checked="" type="checkbox"/> Hudson sprayer or bucket
Required Methods:	<input type="checkbox"/> Full Containment	<input checked="" type="checkbox"/> Manual Methods w/Drop Cloths	<input checked="" type="checkbox"/> Loose & Peeling Paints Only

Other Comments: For Stabilization of Loose & Peeling Paints: Manually scrape and stabilize loose and peeling paints prior to demolition of painted substrates using drop cloths, wet methods, and HEPA vacuums for dust control in compliance with Cal/OSHA regulation 8 CCR 1532.11 and the EPA's RR&P rules. Avoid dry sweeping. Burning of paints, use of heat guns greater than 1,100 deg. F, and use of leaf blowers or compressed air for clean-up are prohibited. Use of mechanical equipment, such as sanders, grinders and needle guns without a HEPA-vacuum attached thereto are prohibited for this site. Work areas shall be cleaned-up of lead hazards daily before leaving the site.

For Disposal & Cleanup: Demolish and dispose of intact painted substrates as non-hazardous waste. Characterize and dispose of loose and peeling paint debris, chemical strippers, rags, etc. as potential hazardous waste. Clean-up drop cloths and HEPA vacuum loose and peeling chips and debris daily for all work areas before leaving the site.

Complete abatement work exceeding the permissible exposure limit using CDPH Certified Lead Workers and Supervisors, including but not necessarily limited to demolition of lead glazed ceramic tiles, extensive manual or mechanical scraping or sanding of loose and peeling paints, demolition of concrete-encased primed steel, and spot abatement of primed structural steel prior to torching or cutting, as applicable.

Zone L-2: Primed or Painted Structural Steel Spot Abatement				
Sample I.D.	Color	Area	Lead Content	Activity Class
Primed structural steel with HUD-defined lead-based paints of various colors and locations; see Section VII above	Varies; see Section VII above and Summary Tables	Varies; see Section VII above	Generally $\geq 0.5\%$ lead by weight or ≥ 1 mg/cm ²	3 per 8 CCR 1532.1

Lead Hazard Procedures for Zone #L-2 (Applicable Indicated):

Decon System:	<input type="checkbox"/> Shower	<input type="checkbox"/> Central	<input checked="" type="checkbox"/> Bucket
Required Methods:	<input type="checkbox"/> Full Containment	<input checked="" type="checkbox"/> Spot Abatement at Torching, Cutting & Welding Locations	<input checked="" type="checkbox"/> Use of Local Exhaust Ventilation during Torching, Cutting & Welding Phase

Other Comments: Complete spot abatement of paints using a low-odor chemical stripper or needle gun with HEPA attachment as required at torching, cutting or welding locations. Strip all paints on all sides of beams, columns, and angles at a minimum 12-inches outboard of the welding spot. Note that 8 CCR 1537 (c) requires stripping for a distance of at least 4-inches from the area of heat application, or workers shall be required to use supplied air respirators in accordance with 8 CCR 1532.1 or the provisions of 8 CCR 1536 (b) (c). Dispose of stripper and contaminated drop cloths as hazardous waste.

Manually scrape paints and primers at locations of new welded connections as shown on Structural Drawings. Use an approved chemical stripper with "low odor" and scrape using manual, wet methods, drop cloths, visqueen barriers, and HEPA vacuums for dust control in compliance with Cal/OSHA regulation 8 CCR 1532.1 and DHS regulation 17 CCR Section 35001 through 36100. Avoid dry sweeping. Clean-up daily all work areas before leaving the site. Characterize and dispose of loose chips and debris as possible hazardous waste. Characterize and dispose of loose chips and debris as possible hazardous waste.

Ventilate the abatement zone as required by the stripper manufacturer. Workers shall wear combination organic (charcoal) and HEPA filter respirator cartridges.

Note that despite the quality of abatement, some minor residues may remain on structural elements as well as paints and primers on inaccessible surfaces, which cannot be abated. During the cutting and torching phase, the Contractor shall operate "smog hogs" or localized exhaust units in the vicinity of welding work to prevent build-up of airborne lead contaminants within occupied and other construction areas. Localized exhaust units shall exhaust outdoors.

Demolish and dispose as non-hazardous waste. Complete abatement work exceeding the permissible exposure limit using DHS Certified Lead Workers and Supervisors, as applicable.


3.2 MONITORING AND CLEARANCES

Lead Clearance Requirements (includes budgeted # of samples):

Interior Zones	<input checked="" type="checkbox"/> Post Abatement Visual Only	<input type="checkbox"/> Post Construction Wipe Testing Floors	<input type="checkbox"/> Post-Construction Wipe Testing Window Sills
Exterior Zones	<input checked="" type="checkbox"/> Post Abatement Visual Only	<input type="checkbox"/> Post Construction Wipe Testing Floors	<input type="checkbox"/> Post-Construction Wipe Testing Window Sills

3.3 DIAGRAMS

See the Demolition Plans for areas of impact.

Consultant's Signature:	Glenn R. Cass, CAC #92-0092, CDPH #717 	Date: 5/13/13
Contractor's Signature		Date:

Appendix E2: Limited Administration Building Survey

**SUMMARY REPORT: PARTIAL BULK ASBESTOS,
LEAD-BASED PAINT AND HAZARDOUS MATERIALS
SURVEY
GOLDEN GATE BRIDGE
ADMINISTRATION BUILDING
SAN FRANCISCO, CALIFORNIA**

PREPARED FOR:

**AECOM
2101 WEBSTER STREET, SUITE 1900
OAKLAND, CA 94612**

PREPARED BY:

SCA

ENVIRONMENTAL, INC.

**334 19TH STREET
OAKLAND, CA 94612
TEL: (510) 645-6200
eFAX: (415) 962-0736**

SCA PROJECT NO.: B-11100

OCTOBER 15, 2013

**SUMMARY REPORT
PARTIAL BULK ASBESTOS, LEAD-BASED PAINT & HAZARDOUS MATERIALS SURVEY
GOLDEN GATE BRIDGE
ADMINISTRATION BUILDING
SAN FRANCISCO, CALIFORNIA**

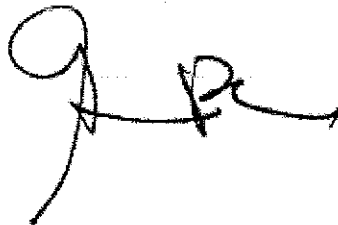
CONDUCTED FOR

**MS. CARMEN GOODELL
AECOM
2101 WEBSTER STREET, SUITE 1900
OAKLAND, CA 94612**

OCTOBER 15, 2013

SCA PROJECT NO. B-11100

PREPARED BY:

A handwritten signature in black ink, appearing to read 'G. R. Cass', with a long horizontal stroke extending to the right.

**GLENN R. CASS, CIH, PE, CAC #92-0092
VICE PRESIDENT**

**SCA ENVIRONMENTAL, INC.
334 19TH STREET
OAKLAND, CA 94612
TEL: (510) 645-6200
eFAX: (415) 962-0736**

Table of Contents

1.0	Executive Summary.....	1
2.0	Introduction.....	3
3.0	Methodology.....	4
3.1	Asbestos Containing Materials.....	4
3.2	Lead-Based Paints.....	4
4.0	Applicable Standards.....	5
4.1	Asbestos-Containing Materials.....	5
4.2	Lead-Based Paints.....	5
5.0	Results and Conclusions.....	9
5.1	Asbestos.....	9
5.2	Non-Asbestos Materials (non-ACM).....	9
5.3	Lead-Based Paints.....	10
6.0	Limitations and Exclusions.....	11

Attachments

1. Laboratory Results – Asbestos
2. Representative Lead-Based Paint XRF Sampling Results
3. Field Data Sheets
4. Sampling Location Drawings

List of Common Acronyms and Abbreviations

AAA	= Assumed Asbestos-Containing Materials
ACM	= Asbestos-Containing Materials
AHERA	= Asbestos Hazard Emergency Response Act
BAAQMD	= the Bay Area Air Quality Management District
BK	= black paints
BL	= blue paints
BR	= brown paints
CAC	= Certified Asbestos Consultant
Cal/OSHA	= the California Division of Industrial Safety and Health
Cal/EPA	= the California Environmental Protection Agency
CAULK	= window and door perimeter caulking
CCR	= California Code of Regulations
CERCLA	= Comprehensive Environmental Response, Compensation, and Liability Act
CFR	= Code of Federal Regulations
CHMM	= Certified Hazardous Materials Manager
CIH	= Certified Industrial Hygienist
CPSC	= Consumer Product Safety Commission
CR	= cream-colored paints
CSST	= Certified Site Surveillance Technician
DOHS	= the California Department of Health Services
DS/PLM	= Polarized Light Microscopy with Dispersion Staining
EPA	= the U.S. Environmental Protection Agency
EPRI	= Electric Power Research Institute
EXPJNT	= expansion joint
FIFRA	= Federal Insecticide, Fungicide, and Rodenticide Act
FLVCS	= linoleum flooring
FLVCT	= vinyl composite floor tiles
ft ²	= square feet
GN	= green paints
GROUT	= ceramic tile and concrete grouts
GY	= gray paints
HUD	= the U.S. Department of Housing and Urban Development
LBP	= Lead-Based Paints
LF	= linear feet
µg/cm ²	= micrograms per centimeter squared
µg/g	= microgram per gram or equivalent to parts per million
µg/m ³	= micrograms per cubic meter
µm	= microns
mg/cm ²	= milligrams per squared centimeter
mg/kg	= milligrams per kilogram
MR	= maroon paints
OL	= olive paints
OR	= orange paints
OSHA	= the federal Occupational Safety and Health Administration
OW	= off white paints
PCB	= Polychlorinated Biphenyl
PEL	= Permissible Exposure Level
Penta	= Pentachlorophenol

List of Common Acronyms and Abbreviations Cont.

PISTM	= steam thermal system pipe insulation
PK	= pink paints
ppm	= parts per million
PUTTY	= window pane putty
QA/QC	= Quality Assurance/Quality Control
RCRA	= Resource Conservation Recovery Act
RCW	= Regulated Controlled Waste
RD	= red paints
REA	= Registered Environmental Assessor
RFAG	= built-up tar and gravel roofing
RFPTCH	= roof patching compounds
RFROLL	= rolled roofing
RWQCB	= the Regional Water Quality Control Board
SF	= square feet
TN	= tan paints
TSI	= Thermal System Insulation
WAC	= Washington Administrative Code
WH	= white paints
WLCER	= ceramic wall tiles
WLPL	= wall plaster
YW	= yellow paints

1.0 Executive Summary

SCA Environmental, Inc. (SCA) conducted [full] [partial] [renovation] [demolition] hazardous materials survey for lead-based paints, asbestos-containing construction materials, and associated environmental hazards at the Golden Gate Bridge at Administration Building in San Francisco, CA (hereafter referred to as "the Building") on October 4, 2013.

Prior to any renovations or demolition, the National Emission Standard for Hazardous Air Pollutants (NESHAP) mandated by the Environmental Protection Agency (EPA) and locally enforced by the Bay Area Air Quality Management District (BAAQMD) require that buildings be inspected for asbestos-containing materials (ACM) and materials subject to damage or which will be made friable, be removed.

Sampling by SCA in October, 2013 found the following ACM:

- None identified for the Administration Building.

Right-to-know notices will need to be issued to the building's tenants and contractors in compliance with the Connelly Bill requirements.

"Trace" asbestos-containing materials (>0.1% and <1% asbestos by weight) sampled by SCA include:

- 9-inch square gray vinyl floor tiles with white streaks and black mastics over concrete substrates in 1st Floor Storage Room 103, totaling about 200 SF [SCA Sample I.D. FLVCT-24-1 with <1% Chrysotile in the tile only].

Vinyl floor tiles shall be abated within a full isolation containment per 8 CCR 1529 Work Class 2 procedures. Tiles may be disposed as Category 1 non-friable (non-hazardous) waste.

Non-asbestos materials sampled and documented by SCA include:

- White painted wall plasters with gray scratch coat and gray top coat, sampled in the Stairwell, Rm. 101, and the Teller Rm. And considered typical throughout, totaling about 200 SF [SCA Sample I.D. WLPL-10-1 thru 3].
- White wall caulking at the intersection of the plaster and CMU walls, totaling about 5 LF [SCA Sample I.D. WLCAULK-11-1].
- White paints over CMU and plasters throughout, totaling about 300 SF [SCA Sample I.D. PAINT-12-1].
- Light gray and red painted window glazing putties at the exterior Storage Room windows, totaling about 60 LF [SCA Sample I.D. PUTTY-13-1].
- Beige painted stucco with gray top coat and white scratch coat throughout the exterior, totaling about 100 SF at exterior windows [SCA Sample I.D. STUCCO-14-1].
- Light gray perimeter caulking with red paints at the exterior Storage Room windows, totaling about 30 LF [SCA Sample I.D. CAULK-15-1].
- Dark gray caulking over light gray caulking at base of stucco walls and concrete landing, totaling about 15 LF [SCA Sample I.D. CAULK-16-1].
- Gray painted sheetrock wallboard and joint compounds sampled in the 1st Floor Storage Rm. 103 the Teller Room and the Bathroom, and considered typical throughout, totaling about 550 SF [SCA Sample I.D. WLSH-17-1 thru 3].
- Black silicone window glazing caulking at the 1st Floor Storage R. 103 window, totaling about 60 LF [SCA Sample I.D. PUTTY-18-1].
- Off-white ceiling plasters with white top coat and gray scratch coat over metal lath in the Basement Teller Room, totaling about 560 SF [SCA Sample I.D. CLPL-19-1 thru 3].
- 2-ft. by 4-ft. laid-in ceiling tiles with pinhole and fissured pattern in the Basement Teller Room, totaling about 560 SF [SCA Sample I.D. CLLI-20-1].
- Silver tape on ducts above ceiling, totaling about 10 LF [SCA Sample I.D. TAPE-21-1].

- White perimeter window caulking at interior Teller Room windows, totaling about 24 LF [SCA Sample I.D. CAULK-22-1].
- Blue vinyl baseboards with beige mastics over plaster substrates in the Basement Teller Room, totaling about 96 LF [SCA Sample I.D. BBMAS-23-1].
- Off-white terrazzo flooring with dark stone sampled in the 1st Floor Bathroom [SCA Sample I.D. TERRAZZO-25-1].
- Light blue 1-inch square ceramic wall tiles with blue specks, white grout and off-white mastics over sheetrock substrates in the 1st Floor Bathroom, totaling about 400 SF [SCA Sample I.D. WLCER-26-1].
- Brown vinyl baseboards with yellow mastics over plaster substrates in the Basement Teller Room, totaling about 10 LF [SCA Sample I.D. BBMAS-27-1].

Lead-based paints (LBP), as defined by U.S. Department of Housing and Urban Development (HUD), were identified in the building, including but not necessarily limited to the following:

- Beige paints on the 1st Floor exterior storage room stucco walls [SCA Sample I.D. BE-02-01 with 3.7 mg/cm²].

All other tested paints and ceramic tile glazing have a lead content below the HUD definition for LBPs. All site paints shall be treated as having a lead content greater than 600 ppm requiring demolition dust controls and personal protective procedures in compliance with Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1.

In general, any interior and exterior paints found to be peeling and chipping will require stabilization or scraping prior to the proposed renovations or demolition. All intact painted substrates may be removed and disposed of as non-hazardous waste.

2.0 Introduction

This report summarizes the results of the full demolition hazardous materials survey conducted Golden Gate Bridge at the Administration Building in San Francisco, CA (hereafter referred to as "the Building") on October 4, 2013. The purpose of the survey was to determine the presence of regulated and/or potentially hazardous building materials in the building, which is slated for demolition. Materials addressed in the survey include:

- Asbestos-containing materials (ACM);
- Lead-based paints (LBP);
- Other environmental hazards as noted.

Individuals involved in the survey, and their technical certifications, include:

SCA Staff	Role	Certifications
Glenn R. Cass, PE, CIH, CAC	Sr. Project Consultant	<ul style="list-style-type: none"> • Professional (Mechanical) Engineer (PE #M18976), since 1978. • Certified Industrial Hygienist (CIH #A4847). • Cal/OSHA Certified Asbestos Consultant (CAC #92-0092). • California Dept. of Public Health Certified Lead Inspector/Assessor, Project Designer & Project Monitor (CDPH #I/D/M-717). • OSHA 40-hr. HAZWOPER Training per 29 CFR 1910.120(e).
Tyler Harris, CAC	Environmental Scientist	<ul style="list-style-type: none"> • Cal/OSHA Certified Asbestos Consultant (CAC #10-4704) • California Department of Health Services' Lead Sampling Technician & Inspector/Assessor (#TI-19408). • OSHA 40-hr. HAZWOPER Training per 29 CFR 1910.120(e).

The contract laboratory that provided analytical services for the project was:

Laboratory	Analysis Type	Accreditation
Asbestos TEM Laboratories, Berkeley, CA	Bulk Asbestos Analysis by Polarized Light Microscopy (PLM)	<ul style="list-style-type: none"> • National Voluntary Laboratory Accreditation Program (NVLAP # 101891-0). • California Environmental Laboratory Accreditation Program (ELAP #1866).

3.0 Methodology

3.1 Asbestos Containing Materials

Asbestos sampling was performed in a fashion designed to minimize exposure of the surveyor or others to airborne asbestos fibers. Samples were typically removed from the substrate utilizing a knife or hollow drill bit bored through a wet sponge; the sample material was then placed into an airtight plastic vial. The vial's exterior was decontaminated with a wet sponge, and a unique sample I.D. written on the vial. The vial was then stored in a plastic bag. Sample substrates were patched with a high-temperature caulking compound, where required.

Samples of suspect materials were collected using triplicate sampling procedures. Under these procedures, the first sample is analyzed. If it tests positive for asbestos (>1%), the analysis is suspended for further samples of that material. If the first sample tests only trace positive (between 0.1 to 1%), or negative, then the second and third samples are analyzed sequentially, in order to determine the possible presence of asbestos. If all three samples test negative, the material is considered as non-asbestos. If one or more samples test "trace" positive (<1%), the material is considered to be trace positive. If one or more samples are positive for asbestos, the material is considered positive.

Certain materials, such as plasters and gyboard or sheetrock systems, are frequently non-homogeneous in content. For such materials, multiple samples were gathered at various points in the building, with all samples analyzed to determine the possible presence of asbestos.

All asbestos samples collected were submitted to ATEM for analysis by polarized light microscopy with dispersion staining (DS/PLM). The Bay Area Air Quality Management District's (BAAQMD), the Federal Environmental Protection Agency's (EPA), and California Environmental Protection Agency's (Cal/EPA) regulations all specify the DS/PLM method.

3.2 Lead-Based Paints

Construction records or drawings concerning paints in the buildings were not available. Paint samples from different exterior surfaces were analyzed *in-situ* to identify the presence and extent of lead-containing paints. This included samples from exterior finishes throughout the building. Samples were analyzed using a Niton XL-700 X-Ray Fluorescence (XRF) spectrum analyzer. The XRF analyzer can measure lead contents of several layers of paint without disturbing the surfaces, thus giving immediate feedback on lead contents of paint without destructive testing. The XRF is sensitive to 0.1 milligrams per square centimeter (mg/cm^2) of lead, or well below HUD guideline levels of $1.0 \text{ mg}/\text{cm}^2$ of lead in paints.

XRF analysis data are reported as L-shell values. The L-shell value is the lower energy fluorescence showing the level of the surface layer that is readily disturbed and potentially made airborne, thereby posing a potential construction health hazard.

Please note that although LBP were defined against the HUD standard, Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1, applies to all paints with any measured lead content, requiring dust control measures to reduce airborne and ingestion lead dust hazards.

4.0 Applicable Standards

4.1 Asbestos-Containing Materials

ACM is defined by EPA regulations as those substances containing greater than 1% asbestos. The BAAQMD and the Cal/EPA provide local enforcement of these regulations. Friable ACM with greater than 1% asbestos needs to be disposed of as asbestos waste.

Prior to demolition of a building, the BAAQMD requires abatement of Regulated Asbestos Containing Materials RACM (practically, this means all friable and non-friable ACM).

RACM is defined as (a) Friable – the material can be crumbled, pulverized or reduced to powder by hand pressure, (b) Category I that are subjected to sanding, grinding, cutting or abrasion, (c) Category I materials that becomes friable during demolition or renovation activities, or (d) Category II materials that become friable during demolition or renovation activities.

Federal Occupational Safety and Health Administrations (OSHA) regulations, locally enforced by CAL/OSHA, defines ACM as substances that contain greater than 1% asbestos. Cal/OSHA also mandates special training, medical exams, personal protective equipment and record keeping for employees working with ACM. If a material contains less than 1% asbestos but more than 0.1% asbestos, the material may be disposed of as non-ACM, but the Cal/OSHA requirements would still have to be followed regarding workers' protection and Contractor licensing.

"Trace" materials are currently regulated in California and require the following:

- Removal using wet methods;
- Prohibition of removal using abrasive saws or methods which would aerosolize the material;
- Prompt clean-up of the impacted zone, using HEPA-filtered vacuums, as applicable;
- Employer registration by Cal/OSHA for removal quantities exceeding 100 sq. ft. per year; and
- Cal/OSHA Carcinogen Registration by the Demolition or Abatement Contractor impacting such materials.

Further detail regarding various California asbestos regulations can be found from the following websites:

- <http://www.dir.ca.gov/title8/1529.html>
- <http://www.ciwmb.ca.gov/regulations/title14/ch35.htm>
- http://www.dtsc.ca.gov/LawsRegsPolicies/Title22/upload/OEARA_REG_Title22_Ch11_Art3.pdf
- <http://www.baaqmd.gov/dst/regulations/rg1102.pdf>
- <http://www.epa.gov/asbestos/pubs/help.html>
- <http://www.epa.gov/asbestos/pubs/asbreg.html>

4.2 Lead-Based Paints

Since elemental lead is a suspect carcinogen and known teratogen and neurotoxic in high doses, lead-containing materials need to be identified prior to the on-set of demolition activities. Using combinations of engineering controls and personal protective equipment, lead-containing materials can be remediated safely. Several sources of applicable standards are listed as follows:

1. Occupational Exposure: Lead exposures in the workplace are regulated by Cal/OSHA, which has certain regulatory requirements for identifying and controlling potential lead exposures. Currently applicable regulations for the construction industry have been adopted by Cal/OSHA (8 CCR 1532.1) from the Federal OSHA regulations. The current OSHA 8-hour Permissible Exposure Level (PEL) for lead is 50 $\mu\text{g}/\text{m}^3$.
2. Lead Waste: The regulatory standards regarding lead waste disposal are confusing at best, inconsistent, and continually fluctuating, to varying degrees. No consistent pattern exists regarding whether the trend is for a more or less conservative standard. A myriad of recommended and regulatory standards exist characterizing land use planning objectives and hazardous waste disposal requirements.

In California, effective from January 1, 1999 to July 1, 2006, loose and peeling LBP or other wastes require characterization and testing for leachability, following the standards noted below:

- a. If the Total Threshold Level Concentration (TTLC) is <50 ppm, it is considered non-RCRA, non-hazardous waste since it is impossible to exceed the WET test limit of 5 mg/l using the 10 to 1 ratio.
- b. If the TTLC is <350 ppm and the WET test is <5 mg/l then the waste has low leachability and is classified non-RCRA non-hazardous waste.
- c. If the TTLC is >350 ppm and the WET test is <5 mg/l then it again has low leachability and is classified as non-RCRA, non-hazardous waste.
- d. If the TTLC is >350 ppm and the WET test results are >5 mg/l, then the TCLP must be run. Then if the TCLP is >5 mg/l the waste must be stabilized and if <5-mg/l stabilization is not required. Whether stabilized or not, both conditions are classified as RCRA hazardous waste.

The 350 ppm limit under Health & Safety Code §25157.8 sunset on July 1, 2006 and reverted to the previous 1,000 ppm TTLC limit identified under Title 22 §66261.34. Nevertheless, SCA recommends maintaining the 350 ppm standard for waste characterization purposes as the likelihood of this level being reestablished is high.

Please note that in the above scenario, loose and peeling paints are treated as a separate waste stream; whereas, intact paints may be combined for disposal purposes and classified as 'architectural waste.' This has allowed for disposal of painted concrete in a Class 3 landfill for many years without limitations. In essence, the total weight of the paint versus the weight of a concrete substrate for intact paints is negligible. One must keep in mind that because of the heterogeneity of typical waste streams, some subsamples or components of that waste stream may exceed hazardous waste thresholds if subsamples or components are small enough. To account for this heterogeneity, waste classification decisions are normally made by DTSC for the 'average' properties of an identified waste stream.

The EPA in 1998 passed a rule which suspended temporarily the applicability of the Resource Conservation and Recovery Act (RCRA) Toxicity Characteristic (TC) Rule (40 CFR 261.24) to debris generated during lead-based paint (LBP) abatement projects conducted at target housing; deleading projects conducted at public or commercial buildings; and renovation or remodeling and demolition activities at target housing, public buildings, or commercial buildings. Instead of being subject to the TC Rule, LBP debris resulting from the above-mentioned activities would be subject to the management and disposal standards being proposed today under Title IV of the Toxic Substances Control Act (TSCA). The EPA proposed this temporary suspension of the TC rule in accordance with RCRA sections 1006(b)(1) and 2002 to avoid duplication and inconsistent regulation of LBP debris and to allow the Agency sufficient time to assess whether any RCRA requirements, in addition to TSCA Title IV requirements, are necessary to assure proper management and disposal of such debris.

In 1998, the California Department of Toxic Substance Control (DTSC) also reclassified lead construction debris waste from RCRA to TSCA. At that time DTSC retracted their earlier statement allowing for disposal of 'architectural waste' in Class 3 landfills, but they failed to fully clarify the disposal requirements since the sunset of Health and Safety Code §25157.8 on July 1, 2006, as mentioned above. While a number of generators, including Fort Ord, have run pilot programs to quantify the impacts of crushing and reuse of painted concrete on-site, DTSC has failed to fully analyze these data and fully clarify its earlier ruling.

Dilution of RCRA hazardous waste for this purpose is specifically disallowed under 40 CFR Part 261. In the case of recycling of 'architectural waste' from Fort Ord, CA, the DTSC stated that the waste stream was not being diluted, since no materials were being added to the waste stream. DTSC further went on to encourage recycling and reuse of waste materials as much as possible. The Fort Ord operations did, however, occur on federal lands and to that extent they were not necessarily bound to state regulations.

While DTSC encourages the recycling of painted substrates, where feasible, many local concrete recycler are now hesitant to accept any painted substrates. Waste disposal in such cases must assess the economic impacts of substrate stripping for recycling versus the disposal as of painted substrates within an approved landfill. Local ordinance requirement for waste recycling may have bearing on the ultimate determination of the handling and disposal of intact painted substrate.

The following table depicts the current waste characterization requirements for lead wastes:

Table 1: Lead Waste Characterization Requirements

Condition	TILC	STLC		non-haz waste	CalHaz (nonRCRA)	Fed Haz (RCRA)	Stabilization Required	Landfill Class
	1000	5						
	Total Pb (mg/kg)	WET Pb (mg/L)	TCLP Pb (mg/L)					
1a	<50 (a1)	NA		Yes	no	no	no	III
1b	<100 (a2)		NA	Yes	no	no	no	III
2a	50 to <1000	<5	<5	Yes (c)	no	no	no	III or II (d)
2b		>5	<5	no	Yes	no	no	I
2c		>5	>5	no	Yes	Yes	Yes	I
2d (b)		<5	>5	no	no	Yes	Yes	I
3a	>1000	<5	<5	No	Yes	No	no	I
3b		>5	<5	no	Yes	no	no	I
3c		>5	>5	no	Yes	Yes	Yes	I
3d (b)		<5	>5	no	no	Yes	Yes	I
4	any	any	>5	no	no	Yes	Yes	I

(a1) 50 = 10 x 5 (STLC for Pb). Per WET method, impossible to exceed STLC even if 100% soluble.
 (a2) 100 = 20 x 5 (STLC for Pb). Per TCLP method, impossible to exceed STLC even if 100% soluble.
 (b) Physically impossible due to the stronger acid used in WET than TCLP.
 (c) Landfills will likely require documentation that TCLP is <5, even though TCLP is almost always less than WET.
 (d) Landfill dependent, function of permit, landfill liner, or landfill policy

3. Definitions & Notifications: The major definitions of LBP or lead-coated surfaces are listed as follows:

- a. HUD defines LBP as paint that contains either $\geq 0.5\%$ by weight of lead, or $\geq 1 \text{ mg/cm}^2$.
- b. Consumer Product Safety Commission (CPSC) prohibits the manufacturing of paint that contains more than 600 ppm (0.06%) of lead.

Given the myriad of confusing definitions and regulations, this report uses the HUD's definition for the purpose of identifications, but compliance to Cal/OSHA's Construction Lead Standard is required for all paints with any measurable lead content.

- 4. California Proposition 65: Lead is on the "Proposition 65" list, given its toxic potential in causing reproductive hazards.
- 5. Worker Certification: The California Department of Public Health (CDPH) requires the use of Certified Lead Workers and Supervisors for lead abatement projects at public buildings with a greater than 20 years expected life or whenever work is completed specifically to abate lead-based paints as defined by HUD. The CDPH certification requirements do not apply to industrial sites; however, dust controls and personnel

protection are still required under 17 CCR Section 35001 through 36100.

6. New Renovation, Repair and Painting Rules finalized by the U.S. Environmental Protection Agency on June 23, 2008, authorized under section 402(c)(3) of the Toxic Substances Control Act (TSCA) require any Contractor or Maintenance Personnel disturbing more than 6 sq. ft. of interior or 20 sq. ft. of exterior lead-based paints (LBPs) in pre-1978 housing or child-occupied facilities to complete EPA-accredited training or 4-hr. EPA-accredited refresher training, as applicable, for lead safe work practices. Persons performing renovations, repairs and/or painting projects in target housing or child-occupied facilities must provide "Renovate Right" brochures to the Owners and occupants after December 22, 2008. Window replacements are subject to the standards. These standards prohibit certain dangerous work practices, such as open flame burning or torching of lead-based paints. Required work practices include posting of warning signs, restricting occupants from work areas, containing work areas to prevent dust and debris from spreading, conducting a thorough cleanup and verifying that the cleanup is effective. Additional rules and information are available at www.epa.gov/lead.

"Certified Renovators" shall perform the following tasks:

- Perform or direct uncertified workers performing regulated renovation activities;
- Provide training to uncertified workers on lead safe work practices;
- Be on-site during key stages of the renovation and otherwise be available on-site or by telephone at other times;
- Use an acceptable lead test kit to determine whether lead-based paints are present in an affected area.

Firms may apply for certification beginning in October 2009 and must be certified by April 2010.

7. Prior to welding or torch-cutting coated metals with a lead content over 600 ppm, the coating should be stripped for a distance of at least four inches from the area of heat application in compliance with 8 CCR 1537.
8. San Francisco Lead-Based Paint Ordinance: The San Francisco Building Department requires tenant and neighborhood notifications and dust control procedures for impacts to exterior HUD-defined and presumed LBPs exceeding 100 sq. ft. This ordinance also prohibits power washing as an abatement method for exterior paints.

5.0 Results and Conclusions

5.1 *Asbestos*

A total of 24 bulk samples of suspect ACM were collected with 41 materials analyzed considering the multiple layers and serial analyses for some materials. The detailed results are shown in the Laboratory Report in Attachment 1. Sample locations are shown on the drawings included as Attachment 4.

Sampling by SCA in October, 2013 found the following ACM:

- None identified for the Administration Building.

Right-to-know notices will need to be issued to the building's tenants and contractors in compliance with the Connelly Bill requirements.

"Trace" asbestos-containing materials (>0.1% and <1% asbestos by weight) sampled by SCA include:

- 9-inch square gray vinyl floor tiles with white streaks and black mastics over concrete substrates in 1st Floor Storage Room 103, totaling about 200 SF [SCA Sample I.D. FLVCT-24-1 with <1% Chrysotile in the tile only].

Vinyl floor tiles shall be abated within a full isolation containment per 8 CCR 1529 Work Class 2 procedures. Tiles may be disposed as Category 1 non-friable (non-hazardous) waste.

5.2 *Non-Asbestos Materials (non-ACM)*

Non-asbestos materials sampled by SCA include:

- White painted wall plasters with gray scratch coat and gray top coat, sampled in the Stairwell, Rm. 101, and the Teller Rm. And considered typical throughout, totaling about 200 SF [SCA Sample I.D. WLPL-10-1 thru 3].
- White wall caulking at the intersection of the plaster and CMU walls, totaling about 5 LF [SCA Sample I.D. WLCAULK-11-1].
- White paints over CMU and plasters throughout, totaling about 300 SF [SCA Sample I.D. PAINT-12-1].
- Light gray and red painted window glazing putties at the exterior Storage Room windows, totaling about 60 LF [SCA Sample I.D. PUTTY-13-1].
- Beige painted stucco with gray top coat and white scratch coat throughout the exterior, totaling about 100 SF at exterior windows [SCA Sample I.D. STUCCO-14-1].
- Light gray perimeter caulking with red paints at the exterior Storage Room windows, totaling about 30 LF [SCA Sample I.D. CAULK-15-1].
- Dark gray caulking over light gray caulking at base of stucco walls and concrete landing, totaling about 15 LF [SCA Sample I.D. CAULK-16-1].
- Gray painted sheetrock wallboard and joint compounds sampled in the 1st Floor Storage Rm. 103 the Teller Room and the Bathroom, and considered typical throughout, totaling about 550 SF [SCA Sample I.D. WLSH-17-1 thru 3].
- Black silicone window glazing caulking at the 1st Floor Storage R. 103 window, totaling about 60 LF [SCA Sample I.D. PUTTY-18-1].
- Off-white ceiling plasters with white top coat and gray scratch coat over metal lath in the Basement Teller Room, totaling about 560 SF [SCA Sample I.D. CLPL-19-1 thru 3].
- 2-ft. by 4-ft. laid-in ceiling tiles with pinhole and fissured pattern in the Basement Teller Room, totaling about 560 SF [SCA Sample I.D. CLLI-20-1].
- Silver tape on ducts above ceiling, totaling about 10 LF [SCA Sample I.D. TAPE-21-1].
- White perimeter window caulking at interior Teller Room windows, totaling about 24 LF [SCA Sample I.D. CAULK-22-1].

- Blue vinyl baseboards with beige mastics over plaster substrates in the Basement Teller Room, totaling about 96 LF [SCA Sample I.D. BBMAS-23-1].
- Off-white terrazzo flooring with dark stone sampled in the 1st Floor Bathroom [SCA Sample I.D. TERRAZZO-25-1].
- Light blue 1-inch square ceramic wall tiles with blue specks, white grout and off-white mastics over sheetrock substrates in the 1st Floor Bathroom, totaling about 400 SF [SCA Sample I.D. WLCER-26-1].
- Brown vinyl baseboards with yellow mastics over plaster substrates in the Basement Teller Room, totaling about 10 LF [SCA Sample I.D. BBMAS-27-1].

5.3 Lead-Based Paints

Lead-based paints (LBP), as defined by U.S. Department of Housing and Urban Development (HUD), were identified at the site, including but not necessarily limited to the following:

- Beige paints on the 1st Floor exterior storage room stucco walls [SCA Sample I.D. BE-02-01 with 3.7 mg/cm²].

Most site paints were found to be below the HUD LBP criteria, although dust control procedures are required throughout the demolition of painted elements to comply with the Cal/OSHA regulations under 8 CCR 1532.1. All site paints shall be treated as having a lead content greater than 600 ppm requiring dust control procedures in compliance with 8 CCR 1532.1.

Loose and peeling paints should be removed under controlled procedures prior to any demolition of the structure. None of the applicable regulations require removal of LBP prior to demolition or renovation if the paints are securely adhered to the substrates (i.e., non-flaking or non-peeling). Disposal of the demolition debris in this case can be handled as non-hazardous and non-RCRA waste after the loose and flaking paints have been removed, as long as demolition practices do not compromise worker safety.

Conventional demolition techniques should be employed for all painted surfaces with the Contractor complying with applicable OSHA and Cal/OSHA statutes regarding:

- Worker awareness training;
- Exposure monitoring, as needed;
- Medical examinations, including blood lead level testing; and
- Establishing a written respiratory protection program.

6.0 Limitations and Exclusions

SCA warrants that this survey was performed using due care and state of the art techniques. Beyond this, SCA does not warrant or guarantee the survey. Despite the care exercised, some materials may not have been identified, or may have been incompletely identified. This condition may occur due to renovations or original construction practices that concealed older materials, and/or visually similar materials with different compositions.

This document is not a stand-alone document; abatement of materials is recommended to be completed under the oversight and design of an AHERA-accredited Project Designer and Certified Asbestos Consultant. Although due care is exercised in the course of the survey, concealed materials may be found in the course of performing the abatement or demolition; a contingency budget should be included in any cost estimates to cover unexpected conditions.

Note that SCA's current survey was restricted to Stairs 101, Teller Room 102 and Storage Room 103 areas denoted for renovations as indicated in Attachment 4 herein.

Attachment 1

Laboratory Results - Asbestos

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Glenn Cass	Samples Indicated: 24	Report No. 321294
Address: SCA Environmental, Inc. 334 19th Street Oakland, CA 94612	Reg. Samples Analyzed: 24	Date Submitted: Oct-07-13
	Split Layers Analyzed: 17	Date Reported: Oct-14-13
	Job Site / No. GG Admin B11100-GRC	

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA	DESCRIPTION
		1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	FIELD LAB
GG-WLPL-10-01 Lab ID # 606-15802-001A	None Detected	1) 6-15% Fiberglass, Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) Oct-04-13 4) Oct-14-13	Plaster-Grey
GG-WLPL-10-01 Lab ID # 606-15802-001B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Oct-14-13	Paint-Off-White
GG-WLPL-10-02 Lab ID # 606-15802-002A	None Detected	1) 6-15% Fiberglass, Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) Oct-04-13 4) Oct-14-13	Plaster-White
GG-WLPL-10-02 Lab ID # 606-15802-002B	None Detected	1) 6-15% Fiberglass, Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Oct-14-13	Plaster-Off-White
GG-WLPL-10-02 Lab ID # 606-15802-002C	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Oct-14-13	Paint-Beige
GG-WLPL-10-03 Lab ID # 606-15802-003A	None Detected	1) 6-15% Fiberglass, Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) Oct-04-13 4) Oct-14-13	Plaster-White
GG-WLPL-10-03 Lab ID # 606-15802-003B	None Detected	1) 6-15% Fiberglass, Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Oct-14-13	Plaster-Off-White
GG-WLCAULK-11-01 Lab ID # 606-15802-004A	None Detected	1) 6-15% Fiberglass, Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) Oct-04-13 4) Oct-14-13	Plaster-White
GG-WLCAULK-11-01 Lab ID # 606-15802-004B	None Detected	1) 6-15% Fiberglass, Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Oct-14-13	Plaster-Off-White
GG-PAINT-12-01 Lab ID # 606-15802-005		1) 2) 3) Oct-04-13 4)	

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Glenn Cass	Samples Indicated: 24	Report No. 321294
Address: SCA Environmental, Inc. 334 19th Street Oakland, CA 94612	Reg. Samples Analyzed: 24	Date Submitted: Oct-07-13
	Split Layers Analyzed: 17	Date Reported: Oct-14-13
	Job Site / No. GG Admin B11100-GRC	

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA	DESCRIPTION
		1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	FIELD LAB
GG-PUTTY-13-01 Lab ID # 606-15802-006	None Detected	1)None Detected 2)99-100% Calc, Bndr	
		3) Oct-04-13 4) Oct-14-13	Putty-Brown
GG-STUCCO-14-01 Lab ID # 606-15802-007A	None Detected	1)None Detected 2)99-100% Qtz, Opq, Other m.p.	
		3) Oct-04-13 4) Oct-14-13	Stucco-Grey
GG-STUCCO-14-01 Lab ID # 606-15802-007B	None Detected	1)None Detected 2)99-100% Glue, Qtz, Opq, Other m.p.	
		3) 4) Oct-14-13	Paint-Beige
GG-CAULK-15-01 Lab ID # 606-15802-008	None Detected	1)None Detected 2)99-100% Calc, Bndr	
		3) Oct-04-13 4) Oct-14-13	Caulk-Grey
GG-CAULK-16-01 Lab ID # 606-15802-009	None Detected	1)None Detected 2)99-100% Calc, Bndr	
		3) Oct-04-13 4) Oct-14-13	Caulk-Grey
GG-WLSH-17-01 Lab ID # 606-15802-010A	None Detected	1)None Detected 2)99-100% Calc, Bndr	
		3) Oct-04-13 4) Oct-14-13	Drywall-Off-White
GG-WLSH-17-01 Lab ID # 606-15802-010B	None Detected	1)1-5% Cellulose 2)95-99% Calc, Bndr, Mica, Other m.p.	
		3) 4) Oct-14-13	JointCom/Text-Off-White
GG-WLSH-17-02 Lab ID # 606-15802-011A	None Detected	1)None Detected 2)99-100% Calc, Bndr	
		3) Oct-04-13 4) Oct-14-13	Drywall-Off-White
GG-WLSH-17-02 Lab ID # 606-15802-011B	None Detected	1)1-5% Cellulose 2)95-99% Calc, Bndr, Mica, Other m.p.	
		3) 4) Oct-14-13	JointCom/Text-Off-White
GG-WLSH-17-03 Lab ID # 606-15802-012A	None Detected	1)None Detected 2)99-100% Calc, Bndr	
		3) Oct-04-13 4) Oct-14-13	Drywall-Off-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst *Jo Ann Hunter*

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Glenn Cass Address: SCA Environmental, Inc. 334 19th Street Oakland, CA 94612	Samples Indicated: 24 Reg. Samples Analyzed: 24 Split Layers Analyzed: 17 Job Site / No. GG Admin B11100-GRC	Report No. 321294 Date Submitted: Oct-07-13 Date Reported: Oct-14-13
---	--	--

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA		DESCRIPTION FIELD LAB
		1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed		
GG-WLSH-17-03 Lab ID # 606-15802-012B	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p.	3) 4) Oct-14-13	JointCorn/Text-Off-White
GG-PUTTY-18-01 Lab ID # 606-15802-013	None Detected	1) 10-20% Cellulose 2) 80-90% Bndr, Calc, Glue, Qtz	3) Oct-04-13 4) Oct-14-13	Putty-Brown
GG-CLPL-19-01 Lab ID # 606-15802-014A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p.	3) Oct-04-13 4) Oct-14-13	PlastCoarse-Off-White
GG-CLPL-19-01 Lab ID # 606-15802-014B	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p.	3) 4) Oct-14-13	PlastFine-White
GG-CLPL-19-02 Lab ID # 606-15802-015A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p.	3) Oct-04-13 4) Oct-14-13	PlastCoarse-Off-White
GG-CLPL-19-02 Lab ID # 606-15802-015B	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p.	3) 4) Oct-14-13	PlastFine-White
GG-CLPL-19-03 Lab ID # 606-15802-016A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p.	3) Oct-04-13 4) Oct-14-13	PlastCoarse-Off-White
GG-CLPL-19-03 Lab ID # 606-15802-016B	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p.	3) 4) Oct-14-13	PlastFine-White
GG-CLPL-20-01 Lab ID # 606-15802-017	None Detected	1) None Detected 2) 99-100% Calc, Bndr, Qtz, Other m.p.	3) Oct-04-13 4) Oct-14-13	Ceiling Tile-Grey
GG-TAPE-21-01 Lab ID # 606-15802-018A	None Detected	1) None Detected 2) 99-100% Metal Foil	3) Oct-04-13 4) Oct-14-13	Foil-Silver

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst *Jo Ann Huette*

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Glenn Cass	Samples Indicated: 24	Report No. 321294
Address: SCA Environmental, Inc. 334 19th Street Oakland, CA 94612	Reg. Samples Analyzed: 24	Date Submitted: Oct-07-13
	Split Layers Analyzed: 17	Date Reported: Oct-14-13
	Job Site / No. GG Admin B11100-GRC	

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA	DESCRIPTION
		1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	FIELD LAB
GG-TAPE-21-01 Lab ID # 606-15802-018B	None Detected	1)None Detected 2)99-100% Glue	
GG-CAULK-22-01 Lab ID # 606-15802-019	None Detected	1)None Detected 2)99-100% Calc, Bndr	
GG-BBMAS-23-01 Lab ID # 606-15802-020	None Detected	1)None Detected 2)99-100% Calc, Bndr	
GG-FLVCT-24-01 Lab ID # 606-15802-021A	<1% Chrysotile	1)None Detected 2)99-100% Calc, Bndr, Other m.p.	
GG-FLVCT-24-01 Lab ID # 606-15802-021B	None Detected	1)None Detected 2)99-100% Tar, Opq, Qtz, Other m.p.	
GG-TERRAZO-25-01 Lab ID # 606-15802-022	None Detected	1)5-10% Cellulose 2)90-95% Qtz, Mica, Calc	
GG-WLCER-26-01 Lab ID # 606-15802-023A	None Detected	1)None Detected 2)99-100% Calc, Qtz, Opq	
GG-WLCER-26-01 Lab ID # 606-15802-023B	None Detected	1)None Detected 2)99-100% Qtz, Opq, Other m.p.	
GG-WLCER-26-01 Lab ID # 606-15802-023C	None Detected	1)1-5% Cellulose 2)95-99% Calc, Gyp, Mica, Qtz	
GG-BBMAS-27-01 Lab ID # 606-15802-024A	None Detected	1)10-20% Cellulose 2)80-90% Bndr, Calc, Glue, Qtz	

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Glenn Cass	Samples Indicated: 24	Report No. 321294
Address: SCA Environmental, Inc. 334 19th Street Oakland, CA 94612	Reg. Samples Analyzed: 24	Date Submitted: Oct-07-13
	Split Layers Analyzed: 17	Date Reported: Oct-14-13
	Job Site / No. GG Admin B11100-GRC	

SAMPLE ID	% ASBESTOS TYPE	OTHER DATA		DESCRIPTION
		1) Non-Asbestos Fibers	2) Matrix Materials	FIELD
		3) Date/Time Collected	4) Date Analyzed	LAB
GG-BBMAS-27-01	None Detected	1) None Detected 2) 99-100% Glue		
Lab ID # 606-15802-024B		3)	4) Oct-14-13	Mastic-Brown
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	
Lab ID #		1) 2)		
Lab ID #		3)	4)	

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst

Attachment 2

Representative Lead-Based Paint XRF Sampling Results

B-11100 XRF Results

REPRESENTATIVE SAMPLING OF LEAD-BASED PAINTS
 GOLDEN GATE BRIDGE ADMINISTRATIVE BUILDING, SAN FRANCISCO, CA
 SAMPLED BY SCA ENVIRONMENTAL, INC. ON OCTOBER 4, 2013
 SCA PROJECT NO.: B-111100

Bldg.	Sample I.D.	Sub No.	Location	Floor	Surface Color	Substrate Component	Substrate Material	L-Shell Value mg/cm ²	LBP per HUD Criteria*	Condition
Admin.	WH-01	1	Stairs 101	Bsmt	White	Wall	CMU	0.03	No	Intact
Admin.	WH-01	2	Stairs 101	Bsmt	White	Wall	Plaster	0.01	No	Intact
Admin.	BE-02	1	Exterior Storage Rm. 103	1st	Beige	Wall	Stucco	3.70	Yes	Intact
Admin.	RD-03	1	Exterior Storage Rm. 103	1st	Red	Window Frame	Metal	0.70	No	Intact
Admin.	GY-04	1	Storage Rm. 103	1st	Gray	Wall	Sheetrock	0.04	No	Intact
Admin.	OW-05	1	Storage Rm. 103	1st	Off-White	Wall	Sheetrock	0.03	No	Intact
Admin.	BE-06	1	Teller Rm.	Bsmt	Beige	Wall	Plaster	0.40	No	Intact
Admin.	BE-06	2	Teller Rm.	Bsmt	Beige	Wall	Plaster	0.40	No	Intact
Admin.	BL-07	1	Bathroom	1st	Blue	Wall	Ceramic Tile	0.00	No	Intact
Admin.	WH-08	1	Bathroom	1st	White	Wall	Sheetrock	0.03	No	Intact

* HUD definition for Lead-Based Paints is ≥ 1.0 mg/cm² or $\geq 0.5\%$ lead by weight.
 Note: Paints and glazing with a detectable lead content are subject to the Contractor's compliance with Cal/OSHA regulation 8 CCR 1532.1 during demolition, scraping of loose and peeling paints, spot abatement prior to torching or cutting, etc.
 Figures in bold represent lead-based paints (LBP) per HUD definition.
 Table indicates representative samples only; treat all similarly painted surfaces in kind.

Attachment 3

Field Data Sheets

BLDG NAME: GG Admin Bldg SCA Environmental, Inc.
 Asb Material/Sampling
 Data Sheet

BLDG NO:
 DEPT CODE: Date Inspected: 10/4/13 Page 1 of 3

PROJECT NO. B111100 Inspected By: TH

Sample ID (include BLDG no.)		Sample Location Data				Material Comments (building wide)		
Predominance Group Codes Allowed: blank, A to Z	HOMOGENEOUS MATERIAL ID	Linked Material No.	Sample Type		Functional Space		DWG ID	
			B	Sub- D No.	Space/Room Type	Floor Level		Room or Space Number
	WLP0	10	01		01	Stairwell Rm 101 Teller Rm Stairwell		White painted wall plaster grey scratch coat & grey top coat
	WLCALK	11	01		01	" "		ROOF abnrxio White caulk @ CMV intersection w/ plaster wall
	PAINT	12	01		01	" "		SLF White paint over CMV & WLP-10
	PNITTY	13	01		01	Exterior		300 p Light grey red painted window putty @ ext. Storage room window
	STUCCO	14	01		01	" "		SOLE Beige painted stucco w/ grey top coat & white scratch coat
	CAULK	15	01		01	" "		100 p @ ext window Light grey red painted window caulk @ ext. storage room window
	CAULK	16	01		01	" "		SOLE Dark grey caulk over light grey caulk at base of stucco wall & conc. landing SOLE

Comments: (please number each comment and reference above)

BLDG NAME: GG Admin Bldg SCA Environmental, Inc.
 BLDG NO: [] [] [] [] [] [] [] [] [] []
 DEPT CODE: [] [] [] [] [] [] [] [] [] [] Date Inspected: 10/4/13
 PROJECT NO. B111106 Inspected By: TH Page 2 of 3
 Data Sheet

Sample ID (include BLDG no.)		Sample Location Data				Material Comments (building wide)	
Predominance Group Codes Allowed: blank, A to Z	HOMOGENEOUS MATERIAL ID	Linked Material No.	Sample Type		Functional Space		DWG ID
			B D No.	Sub- D No.	Space/Room Type	Floor Level	
	WLSIH	17	01	02	02	Storage 103 Teller Rm Bathroom	Gray painted sheetrock & joint compound
	PUTTY	18	01		02	" "	400 # + ISOB Black silicone window putty glazing
	CLPL	19	01	02	02	Teller Rm	600 LF Off-white ceiling plaster w/ white top coat & gray scratch coat over metal lath
	CLLU	20	01		" "	" "	2x4" ph-hole & gash ceiling tile laid-in ceiling
	TAPE	21	01		" "	" "	28x20 Silver tape on cut above ceiling
	CAULK	22	01		" "	" "	10 LF White window caulk @ ext. at teller rm windows
	BIBMAS	23	01		" "	" "	24 LF Blue vinyl baseboard w/ hinge master over WLPL substrate
							96 LF

Comments: (please number each comment and reference above)

BLDG NAME: GG Admin Bldg SCA Environmental, Inc.
 Asb Material/Sampling Data Sheet

BLDG NO:

DEPT CODE: Date Inspected: 10/4/13

PROJECT NO. B111160 Inspected By: TH Page 3 of 3

Sample ID (include BLDG no.)		Sample Location Data			Functional Space		Material Comments	
HOMOGENEOUS MATERIAL ID	Linked Material No.	Sample Type		Space/Room Type	Room or Space Number	DWG ID	Material Comments (building wide)	
		B ID	Sub-No.					
B1BMA3	23 27		01		Teller Rm		Brown vinyl baseboard w/ yellow glue over WLPE substrate	
FILVIC7	24		01	02	Storage	105	10LF Gray 8x8 floor tile w/ white streak & black mosaic over concrete	
TERRA20	25		01	02	Bath		2006 Off-white terrazo flooring with dark stone	
WUCER	26		01	02	Bath		Light blue 11x11 ceramic tile w/ blue specks & white grout & off-white glue over sheetrock	

Comments: (please number each comment and reference above)

BLDG NAME: GC Admin

LEAD
Material/Sampling Data
Sheet

BLDG NO:

--	--	--	--	--

DEPT CODE:

--	--	--	--	--

Date Inspected: 10/4/13

PROJECT NO. B-111100

Inspected By: SCA/TJ
initials

Page 1 of
MSDS for this Building

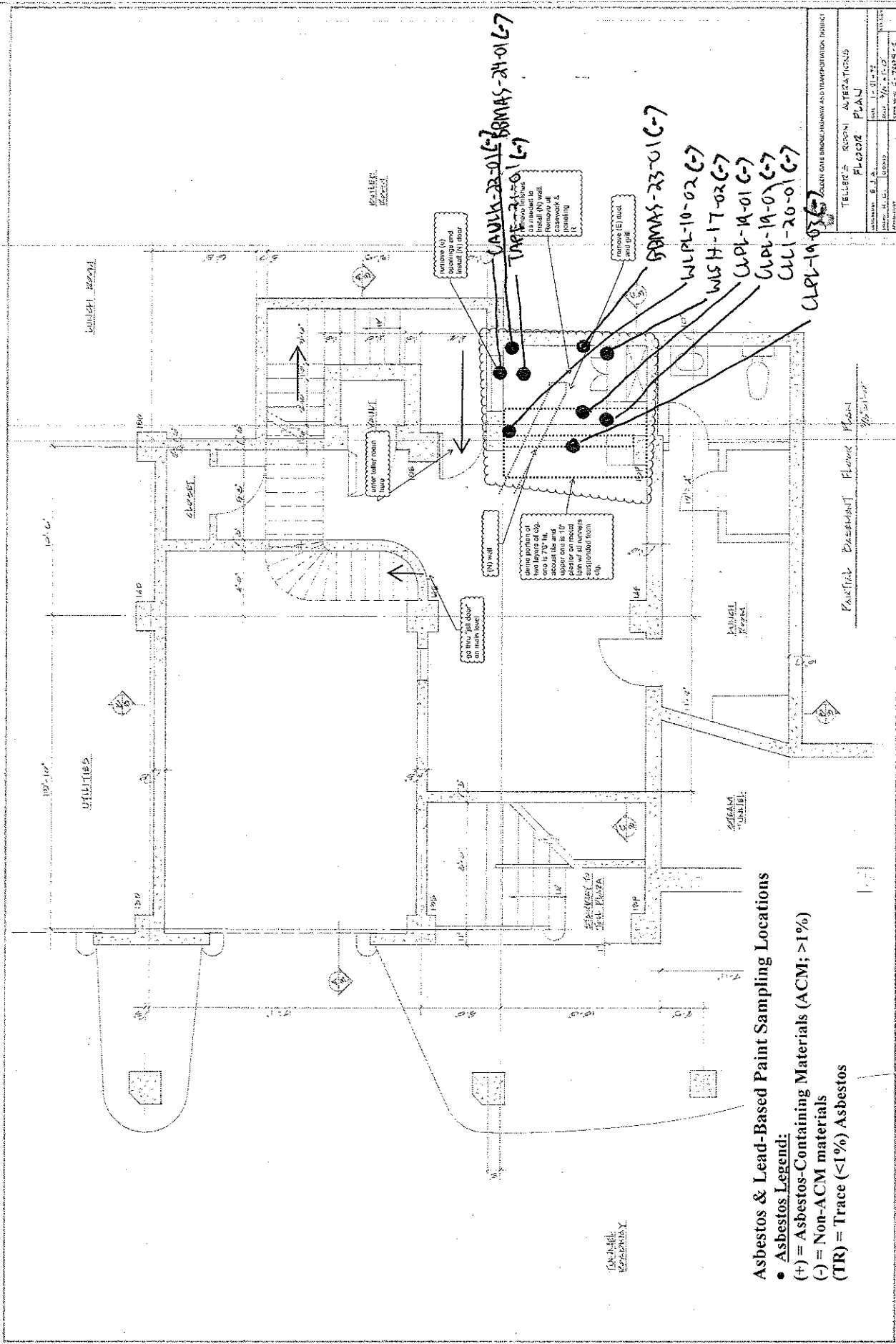
Sample Identification				Sample Location Data										Condition						
Color	Sequential No.	Sub-No.	XRF="X" AA="A" TTLC="T"	Sample Type	Typical Substrate Component	Typical Substrate Material	Functional Space		Coordinates			K-SHELL	L-SHELL	TIME (secs.)	DEPTH INDEX	CONF. INTERVAL	Intact	Peeling	Chipped	Comment #
							Space/Room Type	Space or Room Type	Distance to wall or column line											
							Floor Level	Room Type	N/S from column line #	E/W from column line #	ft									
WH	01	01	X		CMU	WALL	01	Stair 101												
		02			WALL	WLPL														
BE	02	01			WALL	STUCCO	02	Ext. Staircase												
RD	03	01			W/FR	METAL		Window												
GY	04	01			WALL	WLSH	02	Storage												
OW	05	01			"	"		103												
SE	06	01			WALL	WLPL	01	Tellor Rm												
		02																		
BL	07	01			WALL	W/FR	02	Bathroom												
WH	08	01			WALL	WLSH														

Comments: (please number each comment and reference above)

Color ID: BK=black OW=off-white TN=tan GY=gray BR=brown YW=yellow PE=purple PK=pink
BL=blue BE=beige WH=white GR=green RD=red CR=cream OE=orange CN=crimson

Attachment 4

Sampling Location Drawings



Asbestos & Lead-Based Paint Sampling Locations

- **Asbestos Legend:**
- (+) = Asbestos-Containing Materials (ACM; >1%)
- (-) = Non-ACM materials
- (TR) = Trace (<1%) Asbestos

remove (E) floor
install (N) floor
remove all
caulk &
trim
(N) wall

remove (E) duct
and gill

same portion of
two layers of db.
see for TR. If
repair on is for
clear on metal
can of all corners
with appropriate form

go thru gap above
on main level

TELETYPE SERVICE ALTERATIONS	
PLANT	PLANT
DATE	DATE
BY	BY
CHECKED	CHECKED
APPROVED	APPROVED

Asbestos Sampling Location - 10/4/13

Asbestos & Lead-Based Paint Sampling Locations

- Asbestos Legend:
 - (+) = Asbestos-Containing Materials (ACM; >1%)
 - (-) = Non-ACM materials
 - (TR) = Trace (<1%) Asbestos
- Lead Based- Paint Legend:
 - (+) = HUD-defined Lead-Based Paint (LBP $\geq 5,000$ ppm)
 - (-) = Lead-Containing Paint (LCP; <5,000 ppm)

PUTTY-13-01 (-)
STUCCO-14-01 (-)
CAULK-16-01 (-)

C-7 0W-05-01
C-7 CY-04-01
C-7 WLSH-17-01

CAULK-15-01
RD-04-01 (-)
RES-05-01 (-)

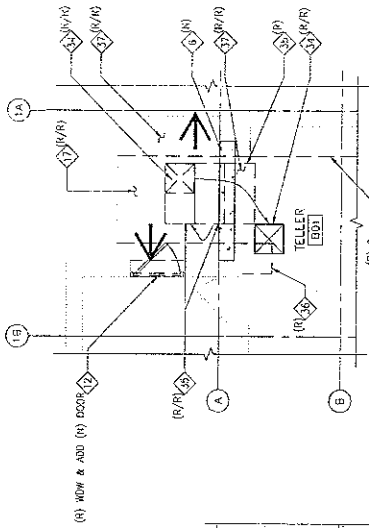
PUTTY-18-01 (-)
FLUCT-24-01 (TR)
(ASBESTOS)

WLR-10-01 (-)
WLCV-11-01 (-)
WH-01-01 (-)
WH-01-02 (-)
PAINT-12-01 (-)

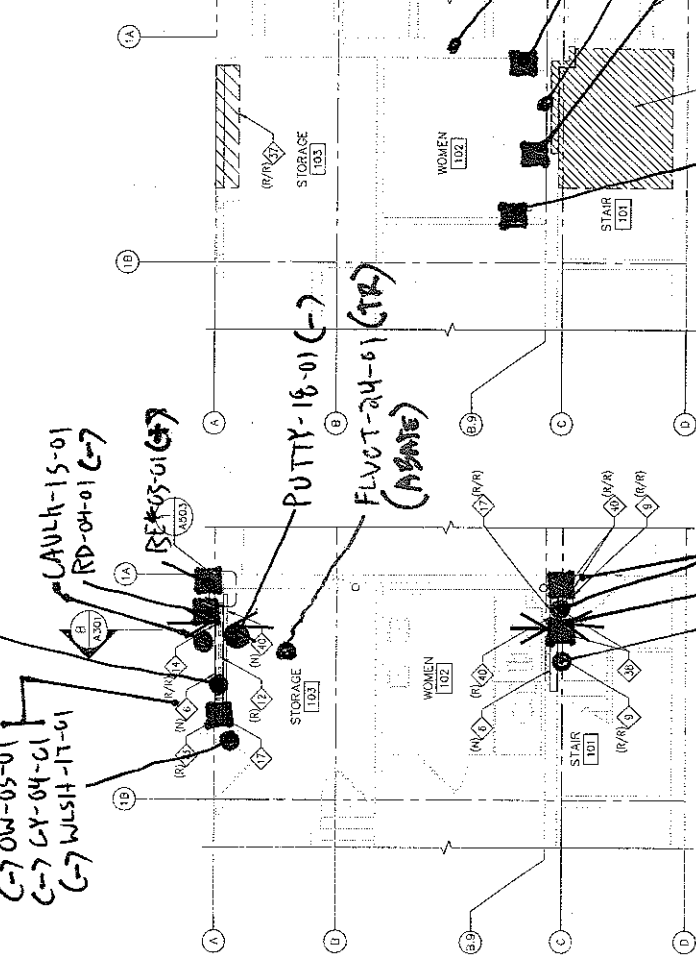
REV. SHEET NO. 1
DATE: 10/14/15

NOTES:
1. FOR ABBREVIATIONS, SYMBOLS, CENTRAL NOTES AND KEYNOTES SEE DWGS A002 & A003

LEGEND:
REMOVED, SEE SECTIONS & KEYNOTES FOR ADDITIONAL INFORMATION ON THESE ITEMS FOR WORK DISPOSITION.



A101.3 BASEMENT FLOOR PLAN
(ADD) 1/4" = 1'-0"



A101.1 1ST FLOOR PLAN
(ADD) 1/4" = 1'-0"

A101.2 1ST FLOOR REFLECTED CEILING PLAN
(ADD) 1/4" = 1'-0"

APPROVED BY: [Stamp] DISTRICT ENGINEER DATE: [Stamp]

SCALE: 1/4" = 1'-0"

GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT

GOLDEN GATE BRIDGE MOVEABLE MEDIAN BARRIER

TOLL PLAZA IMPROVEMENTS ENLARGED ADMIN BUILDING FLOOR & CEILING PLANS DEMO & NEW

REV. SHEET NO. 1 DATE: 10/14/15

PROJECT NO. A40.1

CONTRACT NO. 2013-B-3

ISSUES: [Stamp]

REGISTERED ARCHITECT: [Stamp]

PLANS APPROVAL DATE: [Stamp]

AECOM
2101 WEBSTER ST. STE. 1900
OAKLAND, CA 94612

REGISTERED ARCHITECT: [Stamp]

PLANS APPROVAL DATE: [Stamp]

DESIGNED BY: JOY VILLAFRANCA PROJECT MANAGER

DESIGNED BY: JOHN TALAMO

DESIGNED BY: FRANK DELGADO

DESIGNED BY: ROB MCKIE

DETAILS: [Stamp]

QUANTITIES: [Stamp]

ORIGINAL SCALE IN INCHES: [Stamp]

FOR REDUCED PLANS: [Stamp]

Asbestos & LBP Sampling Locations - 10/14/15