### LANGAN TREADWELL ROLLO

Technical Excellence Practical Experience Client Responsiveness

28 October 2014

Mr. Patrick Banks Build Inc. 315 Linden St. San Francisco, CA 94102

#### Subject: Updated Phase I Environmental Site Assessment India Basin San Francisco, California Langan Project No.: 731626702

Dear Mr. Banks:

This letter report presents the results of Langan Treadwell Rollo's (Langan) Updated Phase I Environmental Site Assessment (ESA) for the India Basin property located in San Francisco, California (Site) (Figure 1). AEI Consultants (AEI) previously completed a Phase I ESA for the Site dated 14 January 2013. We understand Build Inc. requires this Updated Phase I ESA for its environmental due diligence activities related to the Site.

This Site is bound by Innes Street and Hudson Avenue on the west, Earl Street on the south and San Francisco Bay on the north and east. Arelious Walker Drive terminates at the east end of the site. The site is roughly rectangular in shape with average plan dimensions of 1,100 by 1,200 feet. With the exception of the structures fronting Innes Avenue, the Site it is mostly vacant. Elevations at the high end of the Site, fronting Innes Avenue, vary from 45 to 30 feet<sup>1</sup>; along Hudson Avenue they vary from Elevation 16 to 20 feet; grades slope down to Elevations 6 to 10 feet near the edge of the Site fronting the Bay.

As shown on Figure 2, the Site encompasses approximately 14 acres and has been vacant land since the 1950s and 1960s. Previously, the Site was submerged in the San Francisco Bay. The surrounding areas are currently used by various residential and commercial businesses. Land use in the immediate vicinity of the Site is primarily, residential, commercial and light industrial.

The purpose of this Updated Phase I ESA is to identify substantial changes in environmental conditions at the Site since AEI's Phase I ESA was prepared in January 2013. Substantial changes are defined as conditions that indicate 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 on the ground, groundwater, or surface water of the Site.

<sup>&</sup>lt;sup>1</sup> Elevations are referenced to San Francisco City datum.

The Updated Phase I ESA was performed to identify changes in Site environmental conditions that may have occurred since January 2013. This project included the tasks listed below:

- reviewing regulatory agency databases and readily available files for the Site and surrounding area sites that could identify a change in the environmental conditions since January 2013; and
- conducting a reconnaissance of the Site and neighboring sites to assess any changes in the environmental conditions since January 2013.

#### SPECIALIZED KNOWLEDGE

Langan reviewed the following environmental documents for the Site:

• AEI Consultants, (AEI), Phase I Environmental Site Assessment, 110 Undeveloped Parcels Bound by India Street, Innes Avenue, Earl Street, and Griffith Street, San Francisco, San Francisco County, California 94124 dated 14 January 2013.

Information from these documents has been included in the preparation of this report, as appropriate.

#### **CLIENT-PROVIDED INFORMATION**

#### **Environmental Liens or Activity and Use Limitation**

The Client indicated that they were not aware of environmental liens, environmental activity or use limitations pertaining to the Site.

#### Valuation Reduction for Environmental Issues

The Client indicated that no valuation reductions for environmental issues are known or believed to be present at the Site.

#### **Owner Information**

The Client representative has indicated that the Site is owned by India Basin Investments, LLC.

#### GEOLOGIC AND HYDROGEOLOGIC SETTING

The physical setting of the Site was determined using information provided in the EDR *Radius Map with GeoCheck*<sup>®</sup>, topographic maps, and information obtained from our files. The Site is at an elevation of approximately 16 feet MSL and with a flat topography. The Site is primarily east of the edge of the historic San Francisco shoreline. It was filled between 1946 and 1968; only a small portion of the site is west of the historic shoreline. In general, the Site is blanketed by fill, underlain by Bay Mud, sand, Old Bay Clay, and bedrock.

The site is blanketed by 16 to 41 feet of fill, extending to elevations ranging from 15 to -26 feet; fill thickness increases towards the bay. The fill consists primarily of loose to medium

dense sand with varying amounts of silt, clay, gravel, concrete, brick and wood fragments. The fill includes isolated layers of stiff to hard clay.

A weak and compressible marine clay and silt deposit, referred to as Bay Mud, underlies the fill. This layer ranges from 2 to 55 feet in thickness where explored within the project site and includes occasional layers of clayey sand. The Bay Mud layer is soft to stiff, and extends to depths ranging from 36 feet to 83 feet.

In general, the Bay Mud is underlain by relatively incompressible dense sand with varying amounts of clay and silt. The sand layer is about 5 to 33 feet thick and extends to depths ranging from 16 feet to 98 feet. The sand near the bay includes 4- to 6- foot thick layers of very stiff to hard clay. The top 5 to 10 feet of the sand layer in some areas of the Site consists of medium dense clayey sand.

A medium stiff to hard clay and silt layer, locally known as Old Bay Clay, is present beneath the native sand. The thickness of the clay layer varies across the Site from 9 feet to 50 feet. The Old Bay Clay slopes down and becomes thicker in the northeast corner of the site towards the bay.

The Old Bay Clay is underlain by strong, relatively incompressible residual soil consisting of very stiff to hard clay and very dense sand and gravel. The residual soil is 3 feet to 14 feet thick.

Bedrock of the Franciscan Complex consisting of shale, sandstone and serpentinite, underlies the residual soil. The bedrock surface slopes steeply from the ground surface west of the Site to a depth of 23 feet near lness Avenue, and slopes down to a depth of 149 feet near the eastern side of the Site.

The groundwater at the Site is likely at the elevation of the water in the Bay. Groundwater was measured in several of the boreholes at depths 7 feet (at the northeast area) to 33 feet (southwest area across Hudson Avenue). The groundwater level at the project Site is anticipated to vary a few feet seasonally and with the fluctuations in the water level of the San Francisco Bay.

No former coal gasification sites exist within a half mile radius of the Site. There are no oil & gas pipelines, active landfill sites, Department of Defense sites, or Indian Reservations within one mile of the Site.

#### SITE DESCRIPTION AND HISTORY

This summary of land-use history of the Site was evaluated by reviewing previous environmental records prepared for the Site and searching aerial photos, historical topographic maps, City Directories, and Sanborn Fire Insurance Maps provided by EDR. Historical topographic maps were reviewed for the years 1899, 1915, 1947, 1950, 1956, 1968, 1980, and 1993. Sanborn maps of the Site were reviewed for the years 1966, 1975, 1987, 1989, 1991, and 1999. Historical aerial photographs of the Site were reviewed for the years 1938, 1943, 1946, 1956, 1968, 1974, 1982, 1993, 1998, 2005, 2009, 2010, and 2012. Historical research documentation is provided in Appendix A. Based on the available sources, it appears that the

Site was part of the San Francisco Bay until the property was filled in in the 1950s and 1960s. The Site has remained vacant and undeveloped since that time.

#### PREVIOUS SITE INVESTIGATIONS AND REPORT

#### AEI Phase I ESA

Based on the historical use of the property and the surrounding land, AEI's January 2013 Phase I ESA revealed evidence of the following recognized environmental condition (REC) in connection with the Site:

The subject property was listed in the regulatory database as a State Hazardous • Waste Site (SHWS), a Voluntary Cleanup Program (VCP) site and an "Other" site. The listings pertain to the presence of contaminated fill materials on the land portions of the subject property. Fill materials have the potential to have originated from the dredging of nearby harbor areas and to have elevated levels of metals or petroleum product constituents. A groundwater investigation was conducted in 1994 to assess the potential for subsurface impact of metals, hydrocarbons and volatile organic compounds (VOCs) from the fill materials. Soil and groundwater results showed levels of semi-VOCs (SVOCs) and hydrocarbons in excess of levels of concern, and metals concentrations exceeded both California and US Maximum Contaminant Levels (MCLs) for arsenic, barium, chromium, copper, lead and mercury. The original sampling report was not provided to AEI. However, based on a previous ESA performed for the subject property in 2008, it appears that no further investigation has been performed at the subject property since 1994. Therefore, the presence of elevated concentrations of metals in soil and groundwater at the subject property represents evidence of a REC.

#### **REVIEW OF PUBLIC RECORDS**

A review of environmental regulatory agency lists and records was performed for the Site and vicinity to identify potential sources of or activities involving hazardous substances or petroleum products that might affect the soil and groundwater quality at the Site. The lists identify sites where underground storage tank (UST) leaks, chemical spills, or contamination of soil and/or groundwater have been reported and confirmed. The regulatory lists also include sites where above-ground or underground storage tanks are present, hazardous materials are generated and/or stored, and whether or not there has been an unauthorized release.

A search of environmental regulatory agency databases for the Site and vicinity was prepared for Langan by Environmental Data Resources Inc. (EDR), and is included in Appendix B of this report. The list of the government agency databases reviewed by EDR is summarized in their report. Our Update Phase I ESA also included searching online databases maintained by the California Regional Water Quality Control Board (RWQCB) and California Department of Toxic Substances Control (DTSC) regarding any additional files and evaluating any fuel and hazardous materials leaks reported at the Site and neighboring sites since January 2013.

Based on our review of the EDR report, the Site was listed as 894 Innes Avenue and identified on several databases. This property is actually located approximately 0.06 miles southwest of the Site and environmental conditions remain as described in AEI's January 2013 Phase I ESA. No new information was obtained for the Site or nearby properties and detailed conditions remain as described in AEI's January 2013 Phase I ESA.

#### SITE AND VICINITY RECONNAISSANCE

Mr. Robert N. Milano of Langan performed a Site and vicinity reconnaissance on 5 August 2014. The objective of the reconnaissance was to check for visual evidence of past or present use or storage of hazardous materials that could potentially affect the soil and groundwater quality at the Site. Photographs taken at the time of our reconnaissance are presented in Appendix C.

The Site is currently vacant land with shrubbery. Arelious Walker Drive runs north to south in the western portion of the Site. A large gravel mound was observed near the center of the Site. During the reconnaissance, minor trash debris was observed on the Site.

At the time of our inspection, there was no observed evidence of any significant staining, spillage, and/or ponded liquids or unconfined solids.

#### Nearby Area

A reconnaissance of the adjoining properties was conducted from the public right-of-ways. Surrounding properties were dominated by vacant lots, public open space, the San Francisco Bay, commercial and industrial buildings, residences, and roadways. No apparent signs of chemical releases or leaks were noted at any nearby facilities.

#### SUMMARY AND CONCLUSIONS

Based on our review of available files, it appears that the property was part of the India Basin Inlet on the San Francisco Bay, and was filled in the 1950s and 1960s. Since that time, the Site has remained undeveloped land.

Based on the historical use of the property and the surrounding land, it is unlikely that the subsurface conditions have been adversely affected by a release of hazardous materials or petroleum hydrocarbons to the soil or groundwater. There are no past, current or future threats of the release of hazardous materials or petroleum hydrocarbons to the environment, which could adversely affect the subsurface conditions at the Site.

There are several facilities within the study area that appear on the regulatory agency lists (Appendix B). The potential for the documented off-site sources of chemical constituents affecting the environmental conditions at the Site is judged to be minimal. The chief transport mechanism for the migration of off-site chemical impacts to the on-site environment would likely be via groundwater flow. It does not appear that any documented off-site facility(s) have affected the groundwater migrating onto the Site and affecting the environmental conditions of the Site.

Based on our review of regulatory files, the Site history, and Site reconnaissance, this assessment revealed no substantial changes at the Site since AEI's January 2013 report. AEI's January 2013 report revealed evidence of one recognized environmental condition (REC) at the Site which is in relation to the fill material placed at the Site to bring to existing grade. AEI stated that the fill material at the Site contains heavy metals and petroleum products.

#### LIMITATIONS

Activities undertaken as part of this assessment were conducted on behalf of Build Inc., or designee to provide preliminary information and data as input to possible decisions about the Site. The conclusions presented in this report are professional opinions based on the specific activities conducted. Information obtained from government agencies and the current property owner is dependent upon the quality of the information obtained.

Langan makes no guarantees or warranties with respect to the accuracy or completeness of this information. Opinions and recommendations presented herein apply to Site conditions existing at the time of our assessment, and cannot necessarily be taken to apply to Site changes or conditions of which we are not aware and have not had the opportunity to evaluate.

The assessment did not include testing for the presence of lead paint, asbestos, PCBs in transformers or other electrical equipment, or naturally occurring environmental hazards (e.g., radon). The assessment did not address non-chemical hazards, such as the potential for seismic hazards at the Site, nor did the scope of this work include any soil, air, or groundwater testing.

Thank you for the opportunity to provide this Updated Phase I ESA. If you have any questions or need any information clarified, please call Mr. Peter J. Cusack at (415) 955-5200.

Sincerely yours, Langan Treadwell Rollo

Robert N. Milano Senior Staff Scientist

T.t. ( lusack

Peter J. Cusack Senior Associate

Attachments: Figure 1 – Site Location Map Figure 2 – Site Plan Appendix A – Historical Research Documentation Appendix B – Environmental Regulatory Records Appendix C – Photographs

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**FIGURES** 





APPENDIX A HISTORICAL RESEARCH DOCUMENTATION India Basin Earl Street/Innes Avenue San Francisco, CA 94124

Inquiry Number: 4048497.3 August 27, 2014

## **Certified Sanborn® Map Report**



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

### **Certified Sanborn® Map Report**

8/27/14

Sanborn® Library search results Certification # AE49-4842-94CD

The Sanborn Library includes more than 1.2 million

#### Site Name:

India Basin Earl Street/Innes Avenue San Francisco, CA 94124

Langan Engineering 32 Executive Park Suite 130 Irvine, CA 92614-0000

EDR Inquiry # 4048497.3 Contact: Peter J. Cusack

**Client Name:** 

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

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

#### Certified Sanborn Results:

Site Name:	India Basin
Address:	Earl Street/Innes Avenue
City, State, Zip:	San Francisco, CA 94124
Cross Street:	
P.O. #	NA
Project:	731626702
Certification #	AE49-4842-94CD

#### Mans Provided

waps Provided:	fire insurance maps from Sanborn, Bromley, Perris &
1999	Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000
1991	American cities and towns. Collections searched:
1989	
1987	Library of Congress
1975	<ul> <li>University Publications of America</li> </ul>
1966	EDR Private Collection
	The Sanborn Library LLC Since 1866™

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#### Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 1999 Source Sheets



Volume 8, Sheet 806

#### 1991 Source Sheets



Volume 8, Sheet xxxx

#### 1989 Source Sheets



Volume 8, Sheet 806

### 1987 Source Sheets



Volume 8, Sheet 806

#### 1975 Source Sheets



Volume 8, Sheet 806

#### 1966 Source Sheets



Volume 8, Sheet 806





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India Basin Earl Street/Innes Avenue San Francisco, CA 94124

Inquiry Number: 4048497.9 August 29, 2014

# The EDR Aerial Photo Decade Package



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### **Date EDR Searched Historical Sources:**

Aerial Photography August 29, 2014

### **Target Property:**

Earl Street/Innes Avenue San Francisco, CA 94124

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	USGS
1943	Aerial Photograph. Scale: 1"=500'	Flight Year: 1943	USGS
1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	USGS
1956	Aerial Photograph. Scale: 1"=500'	Flight Year: 1956	USGS
1958	Aerial Photograph. Scale: 1"=500'	Flight Year: 1958	USGS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Year: 1974	USGS
1982	Aerial Photograph. Scale: 1"=500'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1993	USGS/DOQQ
1998	Aerial Photograph. Scale: 1"=500'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP




























India Basin Earl Street/Innes Avenue San Francisco, CA 94124

Inquiry Number: 4048497.4 August 26, 2014

# **EDR Historical Topographic Map Report**



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N ↑	TARGET QUAD NAME: SAN MATEO MAP YEAR: 1899 SERIES: 15 SCALE: 1:62500	SITE NAME: India Basin ADDRESS: Earl Street/Innes Avenue San Francisco, CA 94124 LAT/LONG: 37.7318 / -122.3719	CLIENT: Langan Engineering CONTACT: Peter J. Cusack INQUIRY#: 4048497.4 RESEARCH DATE: 08/26/2014
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NAME: SAN MATEO MAP YEAR: 1915

SERIES: 15 SCALE: 1:62500 SITE NAME: India Basin ADDRESS: Earl Street/Innes Avenue San Francisco, CA 94124 LAT/LONG: 37.7318 / -122.3719 CLIENT: Langan Engineering CONTACT: Peter J. Cusack INQUIRY#: 4048497.4 RESEARCH DATE: 08/26/2014



TARGET QUAD SITE NAME: India Basin Langan Engineering CLIENT: Ν NAME: SAN MATEO ADDRESS: Earl Street/Innes Avenue CONTACT: Peter J. Cusack MAP YEAR: 1947 INQUIRY#: 4048497.4 San Francisco, CA 94124 LAT/LONG: 37.7318 / -122.3719 RESEARCH DATE: 08/26/2014 SERIES: 15 SCALE: 1:50000



N T	TARGET QU NAME: MAP YEAR:	SAN FRANCISCO SOUTH	 India Basin Earl Street/Innes Avenue San Francisco, CA 94124 37.7318 / -122.3719	CLIENT: CONTACT: INQUIRY#: RESEARCH I	Langan Engineering Peter J. Cusack 4048497.4 DATE: 08/26/2014
	SERIES: SCALE:	7.5 1:24000			



N ↑	TARGET QU NAME: MAP YEAR:	SAN FRANCISCO SOUTH	India Basin Earl Street/Innes Avenue San Francisco, CA 94124 37.7318 / -122.3719	CLIENT: CONTACT: INQUIRY#: RESEARCH I	Langan Engineering Peter J. Cusack 4048497.4 DATE: 08/26/2014
	SERIES: SCALE:	7.5 1:24000			



N ↑	TARGET QUAD NAME: HUNTERS POINT MAP YEAR: 1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: India Basin ADDRESS: Earl Street/Innes Avenue San Francisco, CA 94124 LAT/LONG: 37.7318 / -122.3719	CLIENT: Langan Engineering CONTACT: Peter J. Cusack INQUIRY#: 4048497.4 RESEARCH DATE: 08/26/2014
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1 1	TARGET QUAD	SITE NAME: India Basin	CLIENT: Langan Engineering
	NAME: HUNTERS POINT	ADDRESS: Earl Street/Innes Avenue	CONTACT: Peter J. Cusack
T	MAP YEAR: 1968 PHOTOREVISED FROM :1956 SERIES: 7.5 SCALE: 1:24000	San Francisco, CA 94124 LAT/LONG: 37.7318 / -122.3719	INQUIRY#: 4048497.4 RESEARCH DATE: 08/26/2014



N ↑	TARGET QUADNAME:HUNTERS POINTMAP YEAR:1980PHOTOREVISED FROM :1956	SITE NAME: India Basin ADDRESS: Earl Street/Innes Avenue San Francisco, CA 94124 LAT/LONG: 37.7318 / -122.3719	CLIENT: Langan Engineering CONTACT: Peter J. Cusack INQUIRY#: 4048497.4 RESEARCH DATE: 08/26/2014
	SERIES: 7.5 SCALE: 1:24000	LATILONG. 57.75107-122.5715	RESEARCH DATE. 00/20/2014



SCALE: 1:24000
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	ADJOINING	QUAD				
N	NAME:	SAN FRANCISCO SOUTH	SITE NAME:	India Basin Earl Street/Innes Avenue	CLIENT: CONTACT:	Langan Engineering Peter J. Cusack
	MAP YEAR:		ADDRESS.	San Francisco. CA 94124	INQUIRY#:	4048497.4
		ISED FROM :1956	LAT/LONG:	37.7318 / -122.3719		DATE: 08/26/2014
1.	SERIES:	7.5				
	SCALE:	1:24000				



N	ADJOINING NAME: MAP YEAR:	SAN FRANCISCO SOUTH		India Basin Earl Street/Innes Avenue San Francisco, CA 94124 37.7318 / -122.3719	CLIENT: CONTACT: INQUIRY#: RESEARCH I	Langan Engineering Peter J. Cusack 4048497.4 DATE: 08/26/2014
I	SERIES: SCALE:	7.5 1:24000	LAT/LONG:	37.73187-122.3719	RESEARCHI	DATE: 08/26/2014



Γ		ADJOINING	QUAD				
		NAME:	SAN FRANCISCO	SITE NAME:		CLIENT:	Langan Engineering
	N		SOUTH	ADDRESS:	Earl Street/Innes Avenue	CONTACT:	Peter J. Cusack
	T	MAP YEAR:	1980		San Francisco, CA 94124	INQUIRY#:	4048497.4
		PHOTOREV	ISED FROM :1956	LAT/LONG:	37.7318 / -122.3719	RESEARCH [	DATE: 08/26/2014
L	•	SERIES:	7.5				
		SCALE:	1:24000				
L							



		ADJOINING	QUAD				
		NAME:	SAN FRANCISCO	SITE NAME:	India Basin	CLIENT:	Langan Engineering
1	1		SOUTH	ADDRESS:	Earl Street/Innes Avenue	CONTACT:	Peter J. Cusack
		MAP YEAR:	1993		San Francisco, CA 94124	INQUIRY#:	4048497.4
				LAT/LONG:	37.7318 / -122.3719	RESEARCHI	DATE: 08/26/2014
	'	SERIES:	7.5				
		SCALE:	1:24000				

**Historical Topographic Map** 



	ADJOINING NAME:	QUAD SAN FRANCISCO	SITE NAME:	India Basin	CLIENT:	Langan Engineering
N	MAP YEAR:	SOUTH	ADDRESS:	Earl Street/Innes Avenue	CONTACT: INQUIRY#:	Peter J. Cusack 4048497.4
	MAP TEAR.	1995	LAT/LONG:	San Francisco, CA 94124 37.7318 / -122.3719		2048497.4 DATE: 08/26/2014
•	SERIES:	7.5				
	SCALE:	1:24000				

APPENDIX B ENVIRONMENTAL REGULATORY RECORDS

LANGAN TREADWELL ROLLO

India Basin Earl Street/Innes Avenue San Francisco, CA 94124

Inquiry Number: 4048497.2s August 27, 2014

# The EDR Radius Map<sup>™</sup> Report with GeoCheck®



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

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

## ADDRESS

EARL STREET/INNES AVENUE SAN FRANCISCO, CA 94124

# COORDINATES

Latitude (North):	37.7318000 - 37° 43' 54.48"
Longitude (West):	122.3719000 - 122° 22' 18.84''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	555347.4
UTM Y (Meters):	4176039.0
Elevation:	16 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37122-F3 HUNTERS POINT, CA
Most Recent Revision:	1980
West Map:	37122-F4 SAN FRANCISCO SOUTH, CA
Most Recent Revision:	1999

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from:	20120520
Source:	USDA

#### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DONCO INDUSTRIES INC 894 INNES AVE SAN FRANCISCO, CA 94124	CERCLIS RCRA-SQG HAZNET HWP	CAD983608571
DONCO INDUSTRIES INC 894 INNES AVE SAN FRANCISCO, CA 94124	CHMIRS ENVIROSTOR Status: Inactive - Needs Evaluation	N/A
INDIA BASIN BOATYARD 894 INNES AVE SAN FRANCISCO, CA 94107	CERCLIS PRP	CA0000067603

#### 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

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

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-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

# Federal institutional controls / engineering controls registries

LUCIS...... Land Use Control Information System

## 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

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

## State and tribal registered storage tank lists

AST	Aboveground Petroleum Storage Tank Facilities
	Underground Storage Tanks on Indian Land
	Underground Storage Tank Listing

## State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

# ADDITIONAL ENVIRONMENTAL RECORDS

## Local Lists of Landfill / Solid Waste Disposal Sites

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

## Local Lists of Hazardous waste / Contaminated Sites

US CDL	Clandestine Drug Labs
SCH	School Property Evaluation Program
Toxic Pits	
CDL	Clandestine Drug Labs
	National Clandestine Laboratory Register

## Local Lists of Registered Storage Tanks

CA FID UST	Facility Inventory Database
HIST UST	Hazardous Substance Storage Container Database
SWEEPS UST	. SWEEPS UST Listing

## Local Land Records

LIENS 2	CERCLA Lien Information
LIENS	Environmental Liens Listing
DEED	Deed Restriction Listing

## **Records of Emergency Release Reports**

HMIRS	Hazardous Materials Information Reporting System
LDS	Land Disposal Sites Listing
	Military Cleanup Sites Listing
	. SPILLS 90 data from FirstSearch

## **Other Ascertainable Records**

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites

	_ Superfund (CERCLA) Consent Decrees
UMTRA	_ Uranium Mill Tailings Sites
US MINES	
	Toxic Chemical Release Inventory System
	_ 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
	_ Material Licensing Tracking System
	Radiation Information Database
	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	
UIC	
NPDES	NPDES Permits Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
Notify 65	Proposition 65 Records
DRYCLEANERS	_ Cleaner Facilities
	- Well Investigation Program Case List
ENF	Enforcement Action Listing
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	. State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST	EPA WATCH LIST
	. 2020 Corrective Action Program List
LEAD SMELTERS	
	_ Registered Hazardous Waste Transporter Database
COAL ASH DOF	. Steam-Electric Plant Operation Data
	Medical Waste Management Program Listing
	PCB Transformer Registration Database
	Coal Combustion Residues Surface Impoundments List
PROC	Certified Processors Database
Financial Assurance	Financial Assurance Information Listing
	. Financial Assurance Information
WDS	
	Aerometric Information Retrieval System Facility Subsystem
007.00	

## EDR HIGH RISK HISTORICAL RECORDS

## EDR Exclusive Records

EDR MGP...... EDR Proprietary Manufactured Gas Plants EDR US Hist Auto Stat...... EDR Exclusive Historic Gas Stations

## EDR RECOVERED GOVERNMENT ARCHIVES

## **Exclusive Recovered Govt. Archives**

RGA LF...... Recovered Government Archive Solid Waste Facilities List

RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

## STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

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

A review of the NPL list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TREASURE ISLAND NAVAL STATION-	HUNTERS POINT NAVAL SH	II SE 0 - 1/8 (0.098 mi.)	0	20

## Federal CERCLIS list

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

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TREASURE ISLAND NAVAL STATION-	HUNTERS POINT NAVAL SH	I SE 0 - 1/8 (0.098 mi.)	0	20

## Federal RCRA generators list

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

A review of the RCRA-LQG list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUNTERS POINT REDEVELOPMENT PR	690 HUDSON AVE	SSE 1/8 - 1/4 (0.131 mi.)	C6	76

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 03/19/2014 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TREASURE ISLAND NAVAL STATION-	HUNTERS POINT NAVAL SH	I SE 0 - 1/8 (0.098 mi.)	0	20

US INST CONTROL: 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.

A review of the US INST CONTROL list, as provided by EDR, and dated 03/19/2014 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TREASURE ISLAND NAVAL STATION-	HUNTERS POINT NAVAL SH	I SE 0 - 1/8 (0.098 mi.)	0	20

#### 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 06/05/2014 has revealed that there are 2 RESPONSE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAYVIEW PLUME STUDY AREA	NEAR INTERSECTION OF SH	H WSW 1/2 - 1 (0.713 mi.)	21	155
BAY AREA DRUM COMPANY	1212 THOMAS AVENUE	WSW 1/2 - 1 (0.765 mi.)	22	161

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 06/05/2014 has revealed that there are 8 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN FRANCISCO ENERGY COGENERAT Status: Refer: Other Agency	INNES AVE. BETWEEN FITC	S 1/8 - 1/4 (0.133 mi.)	B7	77
HUNTERS POINT ANNEX Status: No Further Action		S 1/4 - 1/2 (0.280 mi.)	E14	93
BAYVIEW PLUME STUDY AREA Status: Backlog	NEAR INTERSECTION OF SH	WSW 1/2 - 1 (0.713 mi.)	21	155
BAY AREA DRUM COMPANY Status: Certified	1212 THOMAS AVENUE	WSW 1/2 - 1 (0.765 mi.)	22	161
1228 UNDERWOOD AVENUE SITE Status: No Further Action	1228 UNDERWOOD AVE.	WSW 1/2 - 1 (0.841 mi.)	23	202
Lower Elevation	Address	Direction / Distance	Map ID	Page
PG & E HUNTERS POINT Status: Active	1000 EVANS AVE HUNTERS	NW 1/4 - 1/2 (0.401 mi.)	16	97
HUNTERS POINT NAVAL SHIPYARD, Status: Active Status: Certified	965 ACRES; SE PORTION O	SSE 1/2 - 1 (0.928 mi.)	24	205
MOBILE DEBRIS BOX SERVICE Status: Inactive - Needs Evaluation	1301V YOSEMITE AVENUE	SW 1/2 - 1 (0.968 mi.)	25	383

#### State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 07/30/2014 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL PROPERTY	690 HUDSON AVE	SSE 1/8 - 1/4 (0.131 mi.)	C5	74
Status: Completed - Case Closed				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MEE CORP. Status: Completed - Case Closed	895 INNES AVE	W 1/8 - 1/4 (0.210 mi.)	D9	81
<b>RFJ MEISWINKEL CO.</b> Status: Completed - Case Closed	930 INNES AVE	W 1/8 - 1/4 (0.238 mi.)	11	86
G. PAIZIS TRUSTEE Status: Completed - Case Closed	996 INNES AVE	WNW 1/4 - 1/2 (0.322 mi.)	15	94
COMMERCIAL PROPERTY Status: Completed - Case Closed	50 CRISP ROAD	SSW 1/4 - 1/2 (0.409 mi.)	F17	152
COMMERCIAL PROPERTY COMMERCIAL	50 CRISP ROAD 50 CRISP ROAD	SSW 1/4 - 1/2 (0.409 mi.) SSW 1/4 - 1/2 (0.409 mi.)	F18 F19	153 153

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

A review of the SLIC list, as provided by EDR, and dated 07/30/2014 has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
P G & E HUNTER'S POINT POWER P		NNW 1/4 - 1/2 (0.499 mi.)	20	155

## State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 07/30/2014 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
MEE CORPORATION	895 INNES AV	W 1/8 - 1/4 (0.210 mi.)	D8	79	
RFJ MEISWINKEL CO.	930 INNES AVE	W 1/8 - 1/4 (0.238 mi.)	11	86	

## State and tribal voluntary cleanup sites

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

A review of the VCP list, as provided by EDR, and dated 06/05/2014 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN FRANCISCO ENERGY COGENERAT	INNES AVE. BETWEEN FITC	S 1/8 - 1/4 (0.133 mi.)	B7	77
Lower Elevation	Address	Direction / Distance	Map ID	Page

## ADDITIONAL ENVIRONMENTAL RECORDS

## Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 07/01/2014 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
900 INNES AVENUE	900 INNES AVENUE	W 1/8 - 1/4 (0.215 mi.)	D10	84

### Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAY AREA DRUM COMPANY	1212 THOMAS AVENUE	WSW 1/2 - 1 (0.765 mi.)	22	161
Lower Elevation	Address	Direction / Distance	Map ID	Page
HUNTERS POINT NAVAL SHIPYARD.		SSE 1/2 - 1 (0.928 mi.)	24	205

## 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 12/31/2012 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUNTERS POINT SHIPYARD ANNEX		S 1/4 - 1/2 (0.280 mi.)	E13	92

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

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TREASURE ISLAND NAVAL STATION-	HUNTERS POINT NAVAL SH	I SE 0 - 1/8 (0.098 mi.)	0	20

CA BOND EXP. 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.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAY AREA DRUM COMPANY	1212 THOMAS AVENUE	WSW 1/2 - 1 (0.765 mi.)	22	161

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<i>MEE CORP.</i>	<b>895 INNES AVE</b>	<b>W 1/8 - 1/4 (0.210 mi.)</b>	<b>D9</b>	<b>81</b>
GEORGE PAIZI TRUSTEE	966 INNES	WNW 1/4 - 1/2 (0.268 mi.)	12	91

#### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US Hist Cleaners site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NICK S CLEANERS	714 INNES AV	S 0 - 1/8 (0.121 mi.)	B4	74

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

Site Name

#### VACANT

CANDLESTICK PT STATE REC AREA ISLAIS CREEK AREA BAY VIEW GREEN WASTE MGT. COMPANY SF PIER 98 INDIA BASIN COMMERCIAL (STREET) SF PIER 98 INDIA BASIN SF PIER 98 INDIA BASIN Database(s)

LUST, CA FID UST, SWEEPS UST, LOS ANGELES CO. HMS CERC-NFRAP CERC-NFRAP SWF/LF SWF/LF LUST FINDS RGA LF

overview MAP - 4048497.2s



SITE NAME:	India Basin	CLIENT:	Langan Engineering
ADDRESS:	Earl Street/Innes Avenue	CONTACT:	Peter J. Cusack
	San Francisco CA 94124	INQUIRY #:	4048497.2s
LAT/LONG:	37.7318 / 122.3719	DATE:	August 27, 2014 7:35 am

detail MAP - 4048497.2s



	Earl Street/Innes Avenue San Francisco CA 94124	CONTACT: INQUIRY #:	Langan Engineering Peter J. Cusack 4048497.2s August 27, 2014 7:36 am
Dancond.	01.70107122.0713	DATE.	7/dgd3t 27, 2014 7.00 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									
Federal NPL site list									
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		1 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	1 0 0	
Federal Delisted NPL sit	te list								
Delisted NPL	1.000		0	0	0	0	NR	0	
Federal CERCLIS list									
CERCLIS FEDERAL FACILITY	0.500 0.500	2	1 0	0 0	0 0	NR NR	NR NR	3 0	
Federal CERCLIS NFRA	P site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0	
Federal RCRA CORRAC	TS facilities li	ist							
CORRACTS	1.000		0	0	0	0	NR	0	
Federal RCRA non-COR	RACTS TSD f	acilities list							
RCRA-TSDF	0.500		0	0	0	NR	NR	0	
Federal RCRA generato	rs list								
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250	1	0 0 0	1 0 0	NR NR NR	NR NR NR	NR NR NR	1 1 0	
Federal institutional cor engineering controls re									
US ENG CONTROLS US INST CONTROL LUCIS	0.500 0.500 0.500		1 1 0	0 0 0	0 0 0	NR NR NR	NR NR NR	1 1 0	
Federal ERNS list									
ERNS	TP		NR	NR	NR	NR	NR	0	
State- and tribal - equiva	alent NPL								
RESPONSE	1.000		0	0	0	2	NR	2	
State- and tribal - equiva	alent CERCLIS	S							
ENVIROSTOR	1.000	1	0	1	2	5	NR	9	
State and tribal landfill a solid waste disposal site									
SWF/LF	0.500		0	0	0	NR	NR	0	
State and tribal leaking	storage tank l	lists							
LUST	0.500		0	3	4	NR	NR	7	

# MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
SLIC INDIAN LUST	0.500 0.500		0 0	0 0	1 0	NR NR	NR NR	1 0	
State and tribal registered storage tank lists									
UST AST INDIAN UST FEMA UST	0.250 0.250 0.250 0.250		0 0 0 0	2 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	2 0 0 0	
State and tribal voluntary cleanup sites									
INDIAN VCP VCP	0.500 0.500		0 0	0 1	0 1	NR NR	NR NR	0 2	
ADDITIONAL ENVIRONME	NTAL RECORD	<u>s</u>							
Local Brownfield lists									
US BROWNFIELDS	0.500		0	1	0	NR	NR	1	
Local Lists of Landfill / Waste Disposal Sites	Solid								
ODI DEBRIS REGION 9 SWRCY HAULERS INDIAN ODI WMUDS/SWAT	0.500 0.500 0.500 TP 0.500 0.500		0 0 NR 0 0	0 0 NR 0 0	0 0 NR 0 0	NR NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0	
Local Lists of Hazardou Contaminated Sites	is waste /								
US CDL HIST Cal-Sites SCH Toxic Pits CDL US HIST CDL	TP 1.000 0.250 1.000 TP TP		NR 0 0 NR NR	NR 0 0 NR NR	NR 0 NR 0 NR NR	NR 2 NR 0 NR NR	NR NR NR NR NR	0 2 0 0 0 0	
Local Lists of Registere	ed Storage Tai	nks							
CA FID UST HIST UST SWEEPS UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0	
Local Land Records									
LIENS 2 LIENS DEED	TP TP 0.500		NR NR 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 0	
Records of Emergency	Release Repo	orts							
HMIRS CHMIRS LDS	TP TP TP	1	NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 1 0	

# MAP FINDINGS SUMMARY

SPILLS 90 TP NR	Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RCRA NonGen / NLR 0.250 0 0 NR O NR NR O NR									0 0
DOT OPS TP NR DOD 1.000 0 0 0 0 0 0 0 NR C   CONSENT 1.000 0 0 0 0 0 0 NR NR C   CONSENT 1.000 1 0 0 0 0 NR NR C   UMTRA 0.500 0 0 0 NR <td< td=""><td>Other Ascertainable Red</td><td colspan="5">Other Ascertainable Records</td><td></td><td></td><td></td></td<>	Other Ascertainable Red	Other Ascertainable Records							
HWP 1.000 1 0 0 0 NR 1   HWT 0.250 0 0 NR NR NR NR 0 0   COAL ASH DOE TP NR NR NR NR NR NR 0 0   MWMP 0.250 0 0 NR NR NR NR 0   PCB TRANSFORMER TP NR NR NR NR NR 0	SPILLS 90 Other Ascertainable Red RCRA NonGen / NLR DOT OPS DOD FUDS CONSENT ROD UMTRA US MINES TRIS TSCA FTTS HIST FTTS SSTS ICIS PADS MLTS RADINFO FINDS RAATS RMP CA BOND EXP. PLAN UIC NPDES Cortese HIST CORTESE CUPA Listings Notify 65 DRYCLEANERS WIP ENF HAZNET EMI INDIAN RESERV SCRD DRYCLEANERS EPA WATCH LIST 2020 COR ACTION	TP 2007ds 0.250 TP 1.000 1.000 1.000 0.250 TP TP TP TP TP TP TP TP TP TP	1	NR 0 NR 0 0 0 1 0 0 NR R R R R R R R R R R R R N O O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NR 0	NR NR 0 1 0 0 0 R R R R R R R R R R R R R N 0 1 R 0 R R R R R R O 0 N N N N N N N N N N N N N 0 1 N 0 N N N N	NR NR 0 0 0 0 R R R R R R R R R R R R R R R	NR	
PROC0.500000NRNR0Financial AssuranceTPNRNRNRNRNRNR0PRPTP1NRNRNRNRNRNR1	HWP HWT COAL ASH DOE MWMP PCB TRANSFORMER COAL ASH EPA PROC Financial Assurance PRP	1.000 0.250 TP 0.250 TP 0.500 0.500 TP TP		0 0 NR 0 NR 0 0 NR NR	0 0 NR 0 NR 0 NR NR	0 NR NR NR 0 0 NR NR	0 NR NR NR NR NR NR NR NR	NR NR NR NR NR NR NR NR	1 0 0 0 0 0 0 1
# **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
WDS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	AL RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		1	0	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

# NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Database(s)

EDR ID Number EPA ID Number

A1 Target Property	DONCO INDUSTRIES INC 894 INNES AVE SAN FRANCISCO, CA 94124 Site 1 of 3 in cluster A		CERCLIS RCRA-SQG HAZNET HWP	1015730663 CAD983608571
Actual: 16 ft.	CERCLIS: Site ID: EPA ID: Facility County: Short Name: Congressional District: IFMS ID: SMSA Number: USGC Hydro Unit: Federal Facility: DMNSN Number: Site Orphan Flag: RCRA ID: USGS Quadrangle: Site Init By Prog: NFRAP Flag: Parent ID: RST Code: EPA Region: Classification: Site Settings Code: NPL Status: DMNSN Unit Code: RBRAC Code: RResp Fed Agency Code: Non NPL Status: Non NPL Status Date: Site Fips Code: CC Concurrence Date: CC Concurrence FY:	0904154 CAD983608571 SAN FRANCISCO DONCO INDUSTRIES 06 Not reported 7360 18050004 Not a Federal Facility 0.00000 N E Not reported Not reported		
	Alias EPA ID: Site FUDS Flag: CERCLIS Site Contact Name(s Contact ID: Contact Name:	Not reported Not reported ): 13003854.00000 Leslie Ramirez		
	Contact Tel: Contact Title: Contact Email:	(415) 972-3978 Site Assessment Manager (SAM) Not reported		
	Contact ID: Contact Name: Contact Tel: Contact Title: Contact Email:	13003858.00000 Sharon Murray (415) 972-4250 Site Assessment Manager (SAM) Not reported		
	Contact ID: Contact Name: Contact Tel: Contact Title: Contact Email:	13004003.00000 Carl Brickner Not reported Site Assessment Manager (SAM) Not reported		
	Alias Comments:	Not reported		

EDR ID Number Database(s) EPA ID Number

### DONCO INDUSTRIES INC (Continued)

1015730663

Site Description: Site was in RCRA deferral universe as of 11/01. Switched to PA needed, pending initial review by Weston. 12/01: Site found to be a removal only site. Should not have been in SA universe. Same site as India Basin Boat Yard.

CERCLIS Assessment History:

Action Code: Action: Date Started: Date Completed: Priority Level: Operable Unit: Primary Responsibility: Planning Status: Urgency Indicator: Action Anomaly:	001 DISCOVERY / / 10/04/91 Not reported SITEWIDE EPA Fund-Financed Not reported Not reported Not reported
Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started: Date Completed:	/ / 02/19/92
Priority Level:	Referred to Removal, no further Rmdl Asmt
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator: Action Anomaly:	Not reported Not reported
RCRA-SQG:	
Date form received by agene	•
Facility name:	DONCO INDUSTRIES INC
Facility address:	894 INNES AVE SAN FRANCISCO, CA 94124
EPA ID:	CAD983608571
Contact:	GARY THATCHER
Contact address:	2401 UNION ST
	OAKLAND, CA 94607
Contact country:	US (540) 070 0000
Contact telephone: Contact email:	(510) 272-9922 Not reported
EPA Region:	Not reported 09
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous
	waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous
	waste during any calendar month, and accumulates more than 1000 kg of
	hazardous waste at any time
Owner/Operator Summary:	
Owner/operator name:	DON MANNING CHARLES JAMES
Owner/operator address:	2401 UNION ST
	OAKLAND, CA 94124
Owner/operator country:	Not reported
Owner/operator telephone:	(510) 272-9922

Database(s)

EDR ID Number EPA ID Number

ONCO INDUSTRIES INC (Contin	nued)	
Legal status:	Privat	te
Owner/Operator Type:	Owne	PL
		eported
Owner/Op end date:	Not re	eported
Handler Activities Summary:		N-
U.S. importer of hazardous wa		No No
Mixed waste (haz. and radioad Recycler of hazardous waste:	suve).	No
Transporter of hazardous waste.	te.	No
Treater, storer or disposer of H		No
Underground injection activity:		No
On-site burner exemption:		No
Furnace exemption:		No
Used oil fuel burner:		No
Used oil processor:		No
User oil refiner:		No
Used oil fuel marketer to burne		No No
Used oil Specification markete Used oil transfer facility:	<i>.</i>	No
Used oil transporter:		No
·		
Corrective Action Summary:		
Event date:	01/01	/1990
Event:	CA02	9ST
Facility Has Received Notices of Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount: Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action:	F - 2 Gene 10/25 09/25 EPA FINA 09/25 Not re 43130 Not re 43130 Not re 43130 F - 2 Gene 10/25 09/25 EPA	62.50-60 rators - General i/1991 i/1996 L 3008(A) COMPLIANCE ORDER i/1996 eported eported eported
Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount: Regulation violated:	09/25 Not re EPA Not re 43130 Not re	/1996 eported eported eported

Database(s)

EDR ID Number EPA ID Number

# DONCO INDUSTRIES INC (Continued)

Area of violation:	Generators - General
Date violation determined:	10/25/1991
Date achieved compliance:	09/25/1996
Violation lead agency:	EPA
Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	09/25/1996
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	43130
Paid penalty amount:	Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	F - 268.7 LDR - General 10/25/1991 09/25/1996 EPA INITIAL 3008(A) COMPLIANCE 02/03/1992 Not reported Not reported EPA 96500 Not reported Not reported Not reported
Regulation violated:	F - 268.7
Area of violation:	LDR - General
Date violation determined:	10/25/1991
Date achieved compliance:	09/25/1996
Violation lead agency:	EPA
Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	09/25/1996
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	43130
Paid penalty amount:	Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	F - 262.30-34.C Generators - General 10/25/1991 09/25/1996 EPA INITIAL 3008(A) COMPLIANCE 02/03/1992 Not reported Not reported EPA 96500 Not reported Not reported Not reported
Regulation violated:	F - 262.40-43.D
Area of violation:	Generators - General

Database(s)

EDR ID Number EPA ID Number

### **DONCO INDUSTRIES INC (Continued)**

Date violation determined: 10/25/1991 09/25/1996 Date achieved compliance: Violation lead agency: EPA FINAL 3008(A) COMPLIANCE ORDER Enforcement action: Enforcement action date: 09/25/1996 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: EPA Proposed penalty amount: Not reported Final penalty amount: 43130 Paid penalty amount: Not reported F - 262.20-23.B Regulation violated: Area of violation: Generators - General Date violation determined: 10/25/1991 Date achieved compliance: 09/25/1996 Violation lead agency: FPA Enforcement action: FINAL 3008(A) COMPLIANCE ORDER Enforcement action date: 09/25/1996 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: EPA Proposed penalty amount: Not reported Final penalty amount: 43130 Paid penalty amount: Not reported Regulation violated: F - 262.50-60 Area of violation: Generators - General Date violation determined: 10/25/1991 09/25/1996 Date achieved compliance: Violation lead agency: EPA Enforcement action: INITIAL 3008(A) COMPLIANCE Enforcement action date: 02/03/1992 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: EPA 96500 Proposed penalty amount: Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: F - 262.40-43.D Area of violation: Generators - General Date violation determined: 10/25/1991 Date achieved compliance: 09/25/1996 Violation lead agency: EPA INITIAL 3008(A) COMPLIANCE Enforcement action: Enforcement action date: 02/03/1992 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: EPA Proposed penalty amount: 96500 Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: F - 262.20-23.B Area of violation: Generators - General Date violation determined: 10/25/1991

Database(s)

EDR ID Number EPA ID Number

DONCO INDUSTRIES INC (C	ontinued)
Date achieved compliand Violation lead agency: Enforcement action: Enforcement action da Enf. disposition status Enf. disp. status date: Enforcement lead age Proposed penalty amount: Pinal penalty amount: Paid penalty amount:	EPA INITIAL 3008(A) COMPLIANCE te: 02/03/1992 Not reported Not reported ncy: EPA
Regulation violated: Area of violation: Date violation determined Date achieved compliand Violation lead agency: Enforcement action: Enforcement action dates Enf. disposition status Enf. disp. status date: Enforcement lead age Proposed penalty amount: Paid penalty amount:	e: 09/25/1996 EPA INITIAL 3008(A) COMPLIANCE te: 02/03/1992 Not reported Not reported ncy: EPA
Evaluation Action Summary Evaluation date: Evaluation: Area of violation: Date achieved compliand Evaluation lead agency:	09/25/1996 NOT A SIGNIFICANT NON-COMPLIER Not reported
Evaluation date: Evaluation: Area of violation: Date achieved complianc Evaluation lead agency:	10/25/1991 SIGNIFICANT NON-COMPLIER Not reported e: Not reported EPA
Evaluation date: Evaluation: Area of violation: Date achieved compliand Evaluation lead agency:	09/25/1991 COMPLIANCE EVALUATION INSPECTION ON-SITE Generators - General e: 09/25/1996 EPA
Evaluation date: Evaluation: Area of violation: Date achieved compliand Evaluation lead agency:	09/25/1991 COMPLIANCE EVALUATION INSPECTION ON-SITE LDR - General e: 09/25/1996 EPA
Contact: DC Telephone: 510 Mailing Name: No	3 D983608571 N MANNING CHARLES JAMES 2729922 reported 1 UNION ST

Database(s)

EDR ID Number EPA ID Number

### DONCO INDUSTRIES INC (Continued)

Mailing City,St,Zip:	OAKLAND, CA 946070000
Gen County:	Not reported
TSD EPA ID:	CAD043260702
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	8.339999999999
Facility County:	San Francisco
Year:	1993
Gepaid:	CAD983608571
Contact:	DON MANNING CHARLES JAMES
Telephone:	5102729922
Mailing Name:	Not reported
Mailing Address:	2401 UNION ST
Mailing City,St,Zip:	OAKLAND, CA 946070000
Gen County:	Not reported
TSD EPA ID:	CAD043260702
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	20.8500000000
Facility County:	San Francisco

# HWP:

EPA Id:	CAD983608571
Cleanup Status:	UNKNOWN
Latitude:	37.73208
Longitude:	-122.3758
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	17
Senate District:	11
Public Information Officer:	Not reported

# A2 DONCO INDUSTRIES INC Target 894 INNES AVE

# Property SAN FRANCISCO, CA 94124

### Site 2 of 3 in cluster A

Actual: 16 ft.	CHMIRS: OES Incident Number: OES notification: OES Date: OES Time: Incident Date: Date Completed: Property Use: Agency Id Number: Agency Incident Number: Time Notified: Time Completed:	02-1594 03/23/2002 Not reported Not reported <b>Not reported</b> Not reported Not reported Not reported Not reported Not reported
	Surrounding Area:	Not reported

CHMIRS 1000483603 ENVIROSTOR N/A

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

### **DONCO INDUSTRIES INC (Continued)**

Estimated Temperature: Not reported Not reported Property Management: Special Studies 1: Not reported Special Studies 2: Not reported Special Studies 3: Not reported Special Studies 4: Not reported Special Studies 5: Not reported Special Studies 6: Not reported More Than Two Substances Involved?: Not reported Resp Agncy Personel # Of Decontaminated: Not reported Responding Agency Personel # Of Injuries: Not reported Responding Agency Personel # Of Fatalities: Not reported Others Number Of Decontaminated: Not reported Others Number Of Injuries: Not reported Others Number Of Fatalities: Not reported Vehicle Make/year: Not reported Vehicle License Number: Not reported Vehicle State: Not reported Vehicle Id Number: Not reported CA/DOT/PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Not reported Waterway Involved: Yes Waterway: India Basin/ San Francisco Bay Spill Site: Not reported Cleanup By: Unknown Containment: Not reported Not reported What Happened: Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported 2002 Year: NRC Agency: Incident Date: 3/23/200212:00:00 AM San Francisco County Health Department Admin Agency: Amount: Not reported Contained: Unknown Site Type: Ship/Harbor/Port E Date: Not reported Substance: Unknown Oil Quantity Released: Not reported BBLS: 0 Cups: 0 CUFT: 0 0.000000 Gallons: 0 Grams: Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0

Database(s)

EDR ID Number EPA ID Number

# DONCO INDUSTRIES INC (Continued)

Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Per The NRC: The Caller is reporting a diesel sheen. Caller stated
	the sheen covered the whole basin

# ENVIROSTOR:

ENVIRUSTOR:	
Facility ID:	80001502
Status:	Inactive - Needs Evaluation
Status Date:	06/29/2009
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Robert Boggs
Supervisor:	Denise Tsuji
Division Branch:	Cleanup Berkeley
	17
Assembly:	17
Senate:	
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.73208
Longitude:	-122.3758
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD983608571
Alias Type:	EPA Identification Number
Alias Name:	80001502
Alias Type:	Envirostor ID Number
O a man la fa di la fa c	
Completed Info:	<b></b>
Completed Area Name:	Not reported
Completed Sub Area Nar	
Completed Document Ty	
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Nam	e: Not reported
Schedule Document Type	e: Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Database(s)

EDR ID Number EPA ID Number

A3 Target Property	INDIA BASIN BOATYARD 894 INNES AVE SAN FRANCISCO, CA 94107		CERCLIS PRP	1000855624 CA0000067603
	Site 3 of 3 in cluster A			
Actual: 16 ft.	CERCLIS: Site ID: EPA ID: Facility County: Short Name: Congressional District: IFMS ID: SMSA Number: USGC Hydro Unit: Federal Facility: DMNSN Number: Site Orphan Flag: RCRA ID: USGS Quadrangle: Site Init By Prog: NFRAP Flag: Parent ID: RST Code: EPA Region: Classification: Site Settings Code: NPL Status: DMNSN Unit Code: RBRAC Code: RBRAC Code: RResp Fed Agency Code: Non NPL Status: Non NPL Status: Non NPL Status: Non NPL Status: Site Fips Code: CC Concurrence Date: CC Concurrence FY: Alias EPA ID:	0904954 CA0000067603 SAN FRANCISCO INDIA BASIN BOATYARD 06 099G 7360 18050004 Not a Federal Facility 0.00000 N Not reported Not reported		
	Site FUDS Flag:	Not reported		
	CERCLIS Site Contact Name(s Contact ID: Contact Name: Contact Tel: Contact Title: Contact Email: Contact ID: Contact Name: Contact Tel: Contact Title: Contact Title: Contact Email: Contact ID: Contact Name: Contact Tel: Contact ID: Contact Tel: Contact T	9270501.00000 Daniel M. Shane (415) 972-3037 On-Scene Coordinator (OSC) Not reported 13003854.00000 Leslie Ramirez (415) 972-3978 Site Assessment Manager (SAM) Not reported 13003858.00000 Sharon Murray (415) 972-4250 Site Assessment Manager (SAM) Not reported		
	Contact ID:	13004003.00000		

Database(s)

EDR ID Number EPA ID Number

1000855624

# INDIA BASIN BOATYARD (Continued)

Contact Name:	Carl Brickner
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
CERCLIS Site Alias Name(s):	

Alias ID:	101
Alias Name:	DONCO INDUSTRIES
Alias Address:	Not reported
	Not reported
Alias Comments:	Not reported
Site Description:	The Site is located on and near Innes Avenue, in the Hunters Point Area of San
	Francisco. The Site is located adjacent to San Francisco Bay. The area around
	the Site is mixed residential, industrial and recreational use. It is also
	known as "The Donco Site" and "The Innes Avenue Site"

CERCLIS Assessment History:

Action Code:	001
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	11
Date Completed:	01/14/94
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	/ /
Date Completed:	02/11/94
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	11
Date Completed:	06/17/94
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Database(s)

EDR ID Number EPA ID Number

### 1000855624

# INDIA BASIN BOATYARD (Continued)

Action Code:	001
Action:	REMOVAL
Date Started:	04/15/98
Date Completed:	05/01/98
Priority Level:	Stabilized
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	11
Date Completed:	02/22/99
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	005
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	11
Date Completed:	02/22/99
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started:	12/01/93
Date Completed:	06/30/99
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action:	001 CONSENT AGREEMENT (ADMINISTRATIVE)
Date Started:	11
Date Completed:	06/30/00

Database(s)

EDR ID Number EPA ID Number

1000855624

Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

<u>Click this hyperlink</u> while viewing on your computer to access 48 additional US CERCLIS Financial: record(s) in the EDR Site Report.

PRP: PRP name:

JAMES, CHARLES

NPL Region SE < 1/8 515 ft.	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124		NPL CERCLIS US ENG CONTROLS US INST CONTROL ROD PRP	1000403627 CA1170090087
	NPL:			
	EPA ID:	CA1170090087		
	EPA Region:	09		
	Federal:	Y		
	Final Date:	1989-11-21 00:00:00		
	Category Details:			
	NPL Status:	Currently on the Final NPL		
	Category Description:	Depth To Aquifer-<= 10 Feet		
	Category Value:	7		
	NPL Status:	Currently on the Final NPL		
	Category Description:	Distance To Nearest Population-> 0 And <= 1/4 Mile		
	Category Value:	10		
	Site Details:			
	Site Name:	TREASURE ISLAND NAVAL STATION-HUNTERS PO	INT ANNEX	
	Site Status:	Final		
	Site Zip:	94124		
	Site City:	SAN FRANCISCO		
	Site State:	CA		
	Federal Site:	Yes		
	Site County:	SAN FRANCISCO		
	EPA Region:	09		
	Date Proposed: Date Deleted:	07/14/89		
	Date Finalized:	Not reported 11/21/89		
	Date Finalized.	11/21/09		
	Substance Details:			
	NPL Status:	Currently on the Final NPL		
	Substance ID:	Not reported		
	Substance: CAS #:	Not reported		
	UA3 #.	Not reported		

Database(s)

EDR ID Number EPA ID Number

	VAL STATION-HUNTERS POINT ANNEX (Continued)	1000403627
Pathway:	Not reported	
Scoring:	Not reported	
NPL Status:	Currently on the Final NPL	
Substance ID:	A020	
Substance:	CHROMIUM AND COMPOUNDS	
CAS #:	Not reported	
Pathway:	SURFACE WATER PATHWAY	
Scoring:	2	
NPL Status:	Currently on the Final NDI	
Substance ID:	Currently on the Final NPL A046	
Substance:	POLYCHLORINATED BIPHENYLS	
CAS #:	1336-36-3	
Pathway:	NO PATHWAY INDICATED	
Scoring:	1	
NPL Status:	Currently on the Final NPL	
Substance ID: Substance:	A054	
CAS #:	TRICHLOROBENZENE, 1,2,4- 120-82-1	
Pathway:	GROUND WATER PATHWAY	
Scoring:	2	
e construig.	-	
NPL Status:	Currently on the Final NPL	
Substance ID:	C049	
Substance:	ETHYLBENZENE	
CAS #:		
Pathway:	GROUND WATER PATHWAY	
Scoring:	2	
NPL Status:	Currently on the Final NPL	
Substance ID:	C178	
Substance:	COPPER AND COMPOUNDS	
CAS #:	Not reported	
Pathway:	SURFACE WATER PATHWAY	
Scoring:	2	
NPL Status:	Currently on the Final NPL	
Substance ID:	C247	
Substance:	ZINC AND COMPOUNDS	
CAS #:	Not reported	
Pathway:	NO PATHWAY INDICATED	
Scoring:	1	
NPL Status:	Currently on the Final NPL	
Substance ID:	C385	
Substance:	PYRENE	
CAS #:	129-00-0	
Pathway:	SURFACE WATER PATHWAY	
Scoring:	2	
NDL Status	Currently on the Final NDI	
NPL Status: Substance ID:	Currently on the Final NPL D008	
Substance:	LEAD (PB)	
CAS #:	7439-92-1	
Pathway:	GROUND WATER PATHWAY	
,		

Database(s)

EDR ID Number **EPA ID Number** 

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TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)		
Scoring:	3	
NPL Status:	Currently on the Final NPL	
Substance ID:	D008	
Substance:	LEAD (PB)	
CAS #:	7439-92-1	
Pathway:	SURFACE WATER PATHWAY	
Scoring:	4	
NPL Status:	Currently on the Final NPL	
Substance ID:	U071	
Substance:	DICHLOROBENZENE, 1,3-	
CAS #:	541-73-1	
Pathway:	GROUND WATER PATHWAY	
Scoring:	2	
NPL Status:	Currently on the Final NPL	
Substance ID:	U072	
Substance:	DICHLOROBENZENE, 1,4-	
CAS #:	106-46-7	
Pathway:	GROUND WATER PATHWAY	
Scoring:	2	
NPL Status:	Currently on the Final NPL	
Substance ID:	U101	
Substance:	DIMETHYLPHENOL, 2,4-	
CAS #:	105-67-9	
Pathway:	GROUND WATER PATHWAY	
Scoring:	2	
NPL Status:	Currently on the Final NPL	
Substance ID:	U120	
Substance:	BENZO(J,K)FLUORENE	
CAS #:	206-44-0	
Pathway:	SURFACE WATER PATHWAY	
Scoring:	2	
NPL Status:	Currently on the Final NPL	
Substance ID:	U188	
Substance:	PHENOL	
CAS #:	108-95-2	
Pathway:	GROUND WATER PATHWAY	
Scoring:	2	
Summary Details:		

#### ummary Details:

Conditions at proposal July 14, 1989): Hunters Point Annex of Treasure Island Naval Station, formerly the Hunters Point Naval Shipyard, encompasses 936 acres 522 acres dry land and 414 acres submerged in San Francisco Bay) in the southeastcorner of San Francisco, California. Established in 1869, the shipyard was the first privately owned dry dock on the Pacific Coast. The Navy first used the installation in 1919 to construct, maintain, and repair ships, and in 1939 purchased itfrom California Dry Dock Co. Triple A Machine Shop leased the facility from the Navy during 1976-87, subleasing numerous buildings to private tenants. The Navy regained possession of the shipyard from Triple A in 1987, but continues the subleasing. Operations of the facility over many decades generated a wide variety of solid and liquid wastes, including paints, solvents, fuels, acids, bases, metals, PCBs, and

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

asbestos. Hunters Point Annex is participating in the Installation Restoration Program IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from ha ardous materials. The Navy has identified a number of potentially contaminated areas, including Industrial Landfill, Bay Fill Area, Pickling and Plating Yard, Battery and Electroplating Shop, Old Transformer Storage Yard, Power Plant, Oil Reclamation Ponds, Tank Farm, numerous spill areas, and areas leased by Triple A. These areas are potential sources of contaminant migration into ground water and into San Francisco Bay. In the past, wastes and waste water were directly discharged into San Francisco Bay. Ben ene, PCBs, toluene, and phenols have been detected in on-site ground water in IRP tests conducted in 1987. A bottling company draws ground water from springs within 3 miles of ha ardous substances on the annex. The company serves 19,000 people. Sediments contain elevated levels ofheavy metals and polyaromatic hydrocarbons. Area surface waters are used for recreational activities, commercial navigation, and fishing. The Navy is continuing IRP studies and has undertaken some interim cleanup measures. Status November 21, 1989): Workplans for additional interim measures are being developed. Sampling is underway as part of a remedial investigation/feasibility study to determine the type and extent of contamination at the site and identify alternatives for remedial action. Sampling is scheduled to continue into 1991.

Site Status Details:

NPL Status:	Fir
Proposed Date:	07
Final Date:	11
Deleted Date:	No

nal /14/1989 /21/1989 ot reported

Narratives Details: NPL Name:

TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX SAN FRANCISCO CA

### CERCLIS:

City:

State:

Site ID: 0902722 EPA ID: CA1170090087 Facility County: Short Name: Congressional District: 08 IFMS ID: 09P3 SMSA Number: 7360 USGC Hydro Unit: 18050004 Federal Facility: Federal Facility DMNSN Number: 936.00000 Site Orphan Flag: Ν Not reported RCRA ID: USGS Quadrangle: Not reported Site Init By Prog: Not reported NFRAP Flag: Not reported Parent ID: Not reported RST Code: Not reported EPA Region: 09 Classification: Not reported Site Settings Code: UR Currently on the Final NPL NPL Status:

SAN FRANCISCO TREASURE ISLAND NAVAL STA

### Map ID Direction Distance Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

DMNSN Unit Code:	ACRE	
RBRAC Code:	Not reported	
RResp Fed Agency Code:	USNV	
Non NPL Status:	Not reported	
Non NPL Status Date:	11	
Site Fips Code:	06075	
CC Concurrence Date:	11	
CC Concurrence FY:	Not reported	
Alias EPA ID:	Not reported	
Site FUDS Flag:	Not reported	
CERCLIS Site Contact Name(	s):	
Contact ID:	13003854.00000	
Contact Name:	Leslie Ramirez	
Contact Tel:	(415) 972-3978	
Contact Title:	Site Assessment Manager (SAM)	
Contact Email:	Not reported	
Contact ID:	13003858.00000	
Contact Name:	Sharon Murray	
Contact Tel:	(415) 972-4250	
Contact Title:	Site Assessment Manager (SAM)	
Contact Email:	Not reported	
Contact ID:	13004003.00000	
Contact Name:	Carl Brickner	
Contact Tel:	Not reported	
Contact Title:	Site Assessment Manager (SAM)	
Contact Email:	Not reported	
Contact ID:	13004199.00000	
Contact Name:	Craig Cooper	
Contact Tel:	(415) 947-4148	
Contact Title:	Remedial Project Manager (RPM)	
Contact Email:	Not reported	
CERCLIS Site Alias Name(s):		
Alias ID:	101	
Alias Name:	TRIPLE A SHIPYARD-HUNTERS PT DIV	
Alias Address:	Not reported	
	CA	
Alias ID:	201	
Alias Name:	HUNTERS POINT NAVAL SHIPYARD	
Alias Address:	Not reported CA	
Alias ID:	301	
Alias Name:	NAVAL STA TREASURE ISL HUNTERS PT ANNEX	
Alias Address:	Not reported	
	CA	
Alias ID:	302	
Alias Name:	TREASURE ISLAND NAVAL STATION-HUN PT AN	
Alias Address:	HUNTERS PT NAVAL SHIPYARD	
	SAN FRANCISCO, CA 941242996	
Alias ID:	303	
Alias Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX	
	HUNTERS POINT NAVAL SHIPYARD	

Site		Database(s)	EDR ID Numb EPA ID Numb
TREASURE ISLAND N	AVAL STATION-HUNTERS POINT ANNEX (Continued)		1000403627
	SAN FRANCISCO, CA 94124		
Alias ID:	9270116		
Alias Name:	TREASURE ISLAND NAVAL STATION HUNTERS PO	DINT ANNEX	
Alias Address:	SHIPYARD		
	SAN FRANCISCO, CA 92020		
Alias ID:	101		
Alias ID:	301		
Alias ID:	201		
Alias Comments:	PREVIOUS EPA ID# AZD 981 416 977PREVIOUS EF ID# AZD 981 416 977		977PREVIOUS
Site Description:	Treasure Island Naval Station, Hunters Point Annex (HPA), is loca		
	promontory in southeast San Francisco. The promontory is bound		
	and east by the San Francisco Bay and on the south and west by		
	Bayview-Hunters Point district of the City of San Francisco. The e		
	covers 936 acres, 493 of which are on land and 443 of which are		
	HPA was first developed for dry dock use in 1867. The Navy ac to the land in 1940 and began developing the area for various shi	•	
	activities. In 1942, the Navy began using HPA for shipbuilding, re		
	maintenance. The Navy discontinued activities at HPA in 1974, a		
	remained relatively unused until 1976. From 1976 to 1986, the N		
	percent of HPA to a private ship repair company, which vacated the	,	
	March 1987. In 1986, the Navy reoccupied portions of the proper		
	began environmental studies at the HPA in 1984, under the Instal		
	Restoration Program. Between 1984 and 1991, the Navy perform		
	installation-wide investigations, including ambient air monitoring a		
	radiation investigations to identify potential sources of contaminat	ion. In	
	1989, the Environmental Protection Agency (EPA) added HPA to	the National	
	Priorities List. In 1990, the Navy, EPA, and the State entered into	a Federal	
	Facilities Agreement to coordinate environmental activities at HPA	A. In 1991,	
	the U.S. Department of Defense designated HPA for closure as a	n active military	
	base. To facilitate the environmental investigation and remediatio		
	ultimate transfer of the property, HPA was divided into several pa	rcels	
	(Parcels A through F). Operable Unit 1 (OU1): Parcel A covers		
	approximately 88 acres and consists of the upland area of HPA a		
	the lowlands. No wetlands or surface water are located at Parcel		
	quantities of groundwater are present in localized fractures of the		
	However, Parcel A groundwater is not suitable as a potential sour	-	
	water because of low well yield. No underground storage tanks (L		
	aboveground tanks, drums, or hazardous materials storage areas		
	A. Under the local reuse authority's current land-use plan, Parcel used for residential as well as for light commercial purposes, upor		
	the property by the Navy. Throughout its history, both the Navy a		
	used Parcel A primarily for residential purposes. In addition, the I		
	one building on Parcel A as a radiation laboratory. Most of the oth	•	
	structures were used as offices and warehouses. The Navy cond		
	inspection (SI) at seven discrete sites at Parcel A in 1993. Based		
	investigations, the Navy concluded that no further action was requ		
	seven sites, and the State and EPA concurred with this decision.		
	conducted a remedial investigation (RI) of the groundwater under		
	(referred to as the IR-59 site) and sandblast grit waste containing	, ,	
	in the backfill of a sanitary sewer line in a lot along Jerrold Avenue		
	(referred to as the IR-59 JAI site). The draft RI was completed in		
	Record of Decision (ROD) was signed in November 1995 for no a		
	and IR-59 JAI sites. OU2: Parcel B covers approximately 63 acr		
	located in the lowlands portion of HPA. Most of Parcel B is covered		
	concrete or asphalt and buildings. No surface waters exist on Par		

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#### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

parcel. Two aquifers (the A-aquifer and the B-aquifer) and one water-bearing zone (bedrock) have been identified at HPA, but only the A-aquifer and the bedrock water-bearing zone are present throughout Parcel B. The Navy and the State agree that neither the A-aguifer nor the bedrock water-bearing zone have been or are likely to be used for drinking water. Under the local reuse authority's current land use plan, Parcel B will be used primarily for an industrial complex, an educational complex, a mixed residential/retail complex, and a cultural/historical district, upon transfer of the property by the Navy. The Navy used Parcel B for such purposes as office and commercial buildings, warehousing, fuel storage and distribution, and machining and metal fabrication. Triple A conducted similar activities on Parcel B. Currently, portions of Parcel B are leased for such uses as artists' studios, storage, and cabinet making. A preliminary assessment/SI was conducted at all 17 potential source areas identified on Parcel B; 15 of the 17 sites were further investigated in a RI. The draft final RI and Feasibility Study were completed in 1996, and a ROD was signed in October 1997 addressing soil and groundwater contamination at Parcel B. In the Parcel B ROD, the Navy's selected remedy for contaminated soils located on Parcel B was excavation to the groundwater table followed by offsite disposal. The depth to groundwater below Parcel B was believed to typically occur at 10 feet below ground surface (bgs). However, in early 1998, fieldwork on the Site indicated that the depth to groundwater beneath Parcel B could be as shallow as 2.3 feet bgs. This ESD revises the selected remedy of the Parcel B ROD to require cleanup of contaminated soils to a cleanup level of 1E-6 cancer risk (residential) or to a maximum depth of 10 feet bgs instead of to the groundwater table to ensure that the Parcel B remedy is protective of human health and the environment. An Explanation of Significant Differences for Operable Unit 02 of the Treasure Island Naval Station-Hunters Point Annex Site was completed in October 1998. This Explanation of Significant Differences (ESD) updates the soil cleanup values presented in the Record of Decision for Parcel B, Hunters Point Shipyard (the Site) dated October 7, 1997 (Parcel B ROD). In the Parcel B ROD, the soil cleanup values presented were calculated to correspond to: -A human health risk level of 10E-6 (one in one million) or less for carcinogens except where ambient levels exceed 10E-6. -A hazard index (HI) of 1 or less for noncarcinogens, except where ambient levels exceed an HI of 1 because of the fill material. -Lead levels of less than 221 milligrams per kilogram (mg/kg). The soil cleanup values were based on the U.S. Environmental Protection Agency, Region IX (EPA) 1995 preliminary remediation goals (PRG) with Navy adjustments to incorporate the produce uptake pathway and Hunters Point Shipyard ambient levels (HPAL) for metals (only). This ESD revises the soil cleanup values presented to incorporate EPA's 1999 PRGs and the revised nickel ambient levels. An Explanation of Significant Differences for Operable Unit 02 of the Treasure Island Naval Station - Hunters Point Annex Site was completed in May 2000. OU02 Amendment: Actions since the October 1997 ROD include changes to the boundary of Parcel B, additional investigations, removal and remedial actions, treatability studies, and regulatory actions. The boundary of Parcel B has changed twice since the October 1997 ROD. The first change affected the southeastern boundary with Parcel C. The Navy revised the boundary between Parcels B and C to consolidate the area subject to similar contamination and potential remedial action and include the area as part of Parcel C. This change moved IR-06 to Parcel C. The Navy documented the change in the boundary in a memorandum to the administrative record file on February 1, 2002. The adjustment of the parcel boundary to move IR-06 to Parcel C reduced the area of Parcel B from 63 to 59 acres. The second change affected the southwestern boundary with the former Parcel A. Minor adjustments in the boundary in this area were made to ensure that soil contamination related to activities in Parcel B was contained within

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

the boundary of Parcel B. The Navy documented this boundary adjustment in the finding of suitability to transfer documents for Parcel A. The adjustment involved only a small fraction of an acre, and the area of Parcel B remained about 59 acres. In this amended ROD, the boundary between Parcels B and F is considered the mean lower low water line. The Navy is preparing a memorandum to the administrative record file to document this definition. This memorandum will also document that the piers along the shoreline of Parcel B have been transferred into Parcel F. The 1997 ROD identified excavation of contaminated soil, off-site disposal, and placement of clean backfill as the primary components of the selected remedy. The Navy conducted a series of excavations at Parcel B to remove contaminated soil, including (1) pre-ROD exploratory excavations in 1996, (2) remedial action excavations from 1998 to 2001, and (3) a removal action to excavate soil contaminated by fuel-related compounds in 2004. The Navy conducted exploratory excavations at 18 sites across HPS between July 1996 and January 1997. These excavations included removal actions at five sites at Parcel B. The volume of the excavations was limited during this initial, exploratory phase. A total of approximately 1,700 cubic yards of soil was removed from the five sites at Parcel B. The Navy conducted remedial actions for soil in two phases: 1998 to 1999, and 2000 to 2001. The Navy excavated about 54,400 cubic yards of soil from 84 areas at Parcel B between July 1998 and September 1999. The remedial design (RD) for this phase included confirmation sampling after an excavation had been completed. However, the excavations failed to remove contaminants to below cleanup goals for soil in many excavations, and the soil remedial action paused in September 1999 while the Navy reevaluated the cleanup goals presented in the 1997 ROD. The Navy summarized revised cleanup goals in the May 2000 Explanation of Significant Differences (ESD). Between May 2000 and December 2001, the Navy excavated and disposed of off site approximately 47,200 cubic yards of soil from 43 areas, some of which had been originally excavated from 1998 to 1999. This second phase of excavation followed an amended RD that included pre-excavation sampling to delineate excavation areas. New excavation areas were opened during the second phase, and some excavations begun in 1998 to 1999 were reopened. Similar to the first phase, the second phase of excavations did not remove all contaminants to below cleanup levels for soil, and the remedial action was halted for reevaluation. The Navy excavated a total of 101,600 cubic yards of soil from 106 areas at Parcel B during both phases, compared with the estimate of 38,000 cubic vards at 85 areas in the 1997 ROD. Details of the remedial action excavations are presented in the construction summary report. The Navy encountered black sandblast grit at Excavation 7-4 in 2001 and analyzed this material for radioactivity. Minimal radioactivity was detected in the field, and laboratory analysis of a sample found only naturally occurring radium. In a previous study, EPA radiological experts performed an independent evaluation and confirmed that the radiation levels were only slightly above background. The Navy removed about 29,000 cubic yards of soil from 12 excavations at sites across HPS between July 2004 and January 2005 as part of its total petroleum hydrocarbons (TPH) program to remove soil that was contaminated by fuel-related products. The Navy removed and disposed off site about 9,800 cubic yards of soil from two areas at Parcel B during this action. The Navy is conducting three Time-Critical Removal Actions (TCRAs) to address (1) radiological contamination basewide, including Parcel B, (2) methane at IR-07, and (3) mercury at IR-26. - TCRA for Radionuclides. The Navy is conducting a TCRA to address potential radioactive contamination in buildings, fill areas, former building sites, storm drains, and sanitary sewers at Parcel B. The Final Action Memorandum for the Base-wide Radiological Removal Action describes the need for the response action as well as the cleanup criteria. The TCRA involves (1) surveying structures, former building sites. and radiologically impacted areas; (2) decontaminating (and demolishing if

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

necessary) buildings and former building sites; (3) excavating radiologically impacted storm drain and sanitary sewer lines and other areas, as necessary; and (4) screening, separating, and disposing of radioactive anomalies and contaminated excavated materials at an off-site, low-level radioactive waste facility. Activities for the TCRA at Parcel B began in 2006. The Navy excavated more than 59,400 cubic yards of material and disposed of about 3,800 cubic yards off site as low-level radioactive waste. The Navy demolished Building 157 as part of the TCRA and removed more than 22,900 linear feet of storm drain and sanitary sewer lines. The Navy also investigated Building 140 and its associated channels, pumps, and pipes for radiological contamination. All information related to each radiologically impacted area at Parcel B will be summarized in individual final status survey reports or the removal action completion report (RACR), which will be reviewed and approved by the Base Realignment and Closure Cleanup Team (BCT) and the California Department of Public Health (CDPH). - TCRA for Methane at IR-07. The Navy is conducting a TCRA to address methane detected in soil gas samples in the eastern portion of IR-07. The Navy excavated and screened about 12,000 cubic yards of soil, including about 2,500 cubic yards of construction and demolition debris during August through October 2008. The TCRA found that debris was confined to a layer that extended to about 6 feet below ground surface (bgs) and was above the water table, which was at about 18 feet bgs at the excavation site. Therefore, it is not likely that debris placed by the Navy as fill is the source of methane. Material below 6 feet bos was predominantly clean, engineered fill without debris or staining. Excavation continued to the native Bay Mud at a depth of 27 feet bgs. A layer of material at the top of the Bay Mud was observed to be highly organic and odiferous. An unmarked polyvinyl chloride sewer line, apparently installed after the Navy's presence at HPS ended in 1974, also was found during the excavation; a portion of the line was removed and the ends were capped. Both the native organic material and the sewer line may have been sources of methane; debris used as fill located above the water table does not appear to be a likely source of methane. - TCRA for Mercury at IR-26. The Navy is conducting a TCRA to address the source of mercury in groundwater at IR-26 (near wells IR26MW47A and IR26MW49A). The Navy removed about 6,000 cubic yards of soil beneath and adjacent to former Excavation EE-05 during September through October 2008. The TCRA found high concentrations of mercury in soil samples collected near well IR26MW47A. These soils were the likely source of the elevated concentrations of mercury measured in groundwater samples collected at wells IR26MW47A and IR26MW49A. Parcel B is owned by the federal government and is under the jurisdiction of the Navy. Most of the buildings at Parcel B are vacant, although a small number are used for commercial enterprises such as artist studios. Except for the few occupied buildings, Parcel B is unoccupied and unused. Most of Parcel B is fenced, and access is limited. Parcel B is currently planned to be transferred to the City and County of San Francisco. Based on the City and County of San Francisco's reuse plan, Parcel B is expected to be zoned to accommodate mixed uses, including a mixed residential/retail area, a research and development area, a cultural and educational area, and open space. The mixed-use and research and development areas could include single-family homes, upper-story housing, or live/work arrangements, and a variety of commercial enterprises, artist studios, retail, and business services on the ground floor. The cultural and educational area could include museums. The open space areas will provide public access and use of the waterfront as well as provide a corridor for the Bay Trail (hiking and bicycle access) close to the shoreline. Groundwater beneath HPS is not currently used for drinking water, irrigation, or industrial supply. Drinking water is supplied to HPS by the City and County of San Francisco through its municipal supply from the Hetch Hetchy watershed in the Sierra Nevada. The evaluation of beneficial use considers the current Water

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Quality Control Plan (Basin Plan) for the San Francisco Bay Basin, which identifies the following existing and potential beneficial uses for groundwater: municipal and domestic water supply, industrial water supply, industrial process water supply, and agricultural water supply. The Water Board has concluded that the A-aquifer at HPS is unsuitable as a potential source of drinking water. The Navy also considers the A-aguifer at Parcel B unsuitable as a potential source of drinking water based on an evaluation of the site-specific factors identified in EPA's letter to the Navy. Based on total dissolved solids data alone, the B-aquifer at Parcel B would be considered suitable as a potential source of drinking water. However, results of the evaluation of site-specific factors indicate that the B-aquifer has a low potential for use as a source of drinking water. These site-specific factors include (1) the City and County of San Francisco's prohibition on installing domestic wells and the proximity of sewer lines and storm drains, (2) the lack of current or historical use of the aquifer for water supply, (3) the limited size of this groundwater resource, and (4) the proximity of saltwater to the aquifer and the potential for saltwater intrusion if significant guantities of groundwater are withdrawn from the aguifer. The evaluation of the B-aquifer suggests that it has a low potential as a source of drinking water. However, the groundwater ingestion pathway was included in the HHRA for the B-aquifer groundwater because of agreements with the BCT on the methodology. Parcel B does not have any naturally occurring surface streams or ponds. Storm water at Parcel B is currently handled via surface swales and storm sewers. A ROD Amendment addressing Parcel B (OU2) was completed in January, 2009. Operable Unit 3: Parcel C historically included about 79 acres in the central portion of the shipyard was formerly part of the industrial support area, and was used for shipping, ship repair, and office and commercial activities. Industrial support facilities for ship repair dominated the land use at Parcel C and included a foundry, a power plant, a sheet manufacturing shop, a paint shop, and various machine shops. Seventy buildings are located within the boundaries of Parcel C. The docks at Parcel C were formerly part of the industrial production area. Portions of Parcel C were also used by NRDL. In 1997 and 2002, the boundaries of Parcels B and C were redefined, and IR-06 and IR-25 became part of Parcel C. In 2008, the Navy divided the former Parcel C into two new parcels: Parcel C and Parcel UC-2. Parcel UC-2 is not part of this Record of Decision (ROD); the final ROD for Parcel UC-2 was signed in December 2009. The current Parcel C encompasses about 73 acres. The original redevelopment plan developed by the San Francisco Redevelopment Agency in 1997 divided Parcel C into reuse areas. The reuse areas include educational/cultural, maritime/industrial, mixed use, open space, and research and development. To facilitate discussion of all areas of the parcel in the context of contamination and cleanup issues, the area was divided into redevelopment blocks. Fourteen Installation Restoration (IR) sites are in Parcel C, but four of these (IR-45, IR-49, IR-50, and IR-51) are facility-wide sites consisting of utilities that cut across other IR sites or are the locations of former transformer storage areas. The redevelopment blocks (and associated reuses) for Parcel C are 20B, 22, and 25 (educational/cultural); CMI-1 (maritime/industrial); 10, 11, 13, and 26 (mixed use); COS-1, COS-2, and COS-3 (open space); and 18, 20A, 23, and 24 (research and development). The western portion of Parcel C comprises the original promontory, with native soil over shallow bedrock, while most of the parcel consists of flat lowlands. The lowlands were constructed by placing borrowed fill material from various sources, including crushed serpentinite bedrock from the adjacent highland, construction debris, and waste materials (such as used sandblast materials). Most surface elevations in Parcel C are between 0 to 10 feet above mean sea level. The serpentinite bedrock and serpentine bedrock-derived fill material consist of minerals that naturally contain asbestos and relatively high

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concentrations of arsenic, manganese, nickel, and other ubiquitous metals. The hydrostratigraphic units present at Parcel C include the shallow A-aquifer, the aquitard zone, the B-aquifer, and a bedrock water-bearing zone. The bedrock water-bearing zone is designated as F-WBZ in this report. Depth to the top of the A-aquifer occurs at approximately 8 to 10 feet below ground surface (bgs) across most of Parcel C. Groundwater is not currently used for any purpose at Parcel C. On September 25, 2003, the Water Board concurred with the Navy that A-aquifer groundwater at HPS meets the exception criteria in the State Water Resources Control Board Sources of Drinking Water Resolution No. 88-63. Therefore, the groundwater in the A-aquifer is not suitable as a potential source of drinking water. On July 29, 2008, the Water Board concurred with the Navy that the B-aguifer groundwater in the central area of Parcel C also meets the Resolution 88-63 exception criteria, and clarified that the exception for the A- and B-aquifer applies to F-WBZ where the F-WBZ is in direct contact with or hydrogeologically connected to the overlying A- and B-aquifers. The B-aquifer in the area of Building 134 is distinct and separate from the B-aquifer in the central area of Parcel C, and the Water Board considers the B-aquifer in the area of Building 134 as part of the B-aquifer in Parcel B. However, based on the low permeability of the B-aquifer in the area of Building 134, the B-aquifer groundwater in this area has a low potential as a future source of drinking water. The City and County of San Francisco (CCSF) regulates the installation and use of water wells within city boundaries under Article 12B of the CCSF Health Code. Under the Health Code, the withdrawal and use of groundwater within the City and County is administrated by the San Francisco Public Utilities Commission (SFPUC). SFPUC water policies are administrated as provided in the 2005 North Westside Groundwater Basin Management Plan, and in the 2005 Urban Water Management Plan (UWMP) for CCSF. San Francisco overlies all or part of seven groundwater basins. HPS Parcel C lies within the Islais Valley Basin. The UWMP identified the Islais Valley Basin as generally inadequate to supply a significant amount of groundwater for municipal supply due to low yield. As such, the SFPUC does not provide for the use of groundwater from the Islais Valley Basin. CCSF currently obtains its municipal water supply from the Hetch Hetchy watershed in the Sierra Nevada and plans to continue using the Hetch Hetchy watershed as a drinking water source in the future. The general pattern of groundwater flow is radially away from the former Parcel A topographic high (west of Parcel C) and toward the shoreline. At Parcel C, the general direction of groundwater flow is to the east, where groundwater discharges into the bay. Locally, the groundwater flow direction is southeast or northeast, directly toward the bay or dry dock, at bayside perimeter locations of the parcel. Leaking storm drains, sewer lines, and water supply lines also influence groundwater movement across Parcel C. The principal sources of groundwater recharge for the A-aquifer at Parcel C are considered to be the horizontal flow from the F-WBZ from areas upgradient of Parcel C, precipitation infiltration, and leaking sections of water lines. Discharge from the A-aquifer occurs principally as lateral flow of groundwater to the bay at the shore or through ruptured utility corridors. The principal sources of groundwater recharge for the B-aquifer at Parcel C are considered to be the horizontal flow from the upgradient F-WBZ and recharge from the overlying A-aquifer, particularly through infiltration of precipitation, in places where the two aquifers are in direct contact. Based on the limited extent of the B-aquifer in the central area of Parcel C and its lack of hydraulic connection to other aquifers, there is no potential for groundwater in the Parcel C central area B-aquifer to flow to the B-aquifer in adjacent parcels. Parcel C ecology is limited to those plant and animal species adapted to the industrial environment. More than 90 percent of Parcel C is covered by pavement and former industrial buildings. With little open space for flora and fauna, Parcel C is considered to have insignificant habitat value and

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poses an insignificant risk to terrestrial ecological receptors. No threatened or endangered species are known to inhabit Parcel C or its immediate vicinity. Although fuel and steam lines at Parcel C were removed or closed in 2002, the storm drains and sanitary sewer lines beneath the parcel remain key site characteristics. The HPS storm and sanitary combined sewer system was installed in the 1940s and underwent a series of separation projects (1958 to 1976), but was never completely separated. Based on gamma surveys of key manholes in the Historical Radiological Assessment (HRA), the determination was made that potential contamination of the storm and sanitary sewer system was likely near former NRDL sites or sites associated with radium use. Therefore, the Navy also recommended removal of sanitary and storm sewers at Parcels B, C, D, E, and E-2. Radionuclides that may be present include cesium-137, cobalt-60, plutonium-239, radium-226, strontium-90, and thorium-232. Some of the storm drain and sanitary sewer lines in IR-06 and IR-25 (Survey Units 5, 7, 15, 16, 17, 18, and portions of 56) were removed in 2007 as part of the Parcel B radiological time-critical removal action (TCRA). The remaining lines in Parcel C are scheduled to be removed during 2010 through 2012. Potential contamination at Parcel C is associated with metals, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs) in soil; VOCs, PAHs, semivolatile organic compounds (SVOCs), and metals in groundwater; and radiologically impacted structures and soil. Assessment of contamination and risk for Parcel C is based on the Final Feasibility Study (FS) Report for Parcel C (July 31, 2008), including the revised human health risk assessment (HHRA) and the radiological addendum to the FS Report. The Final FS Report for Parcel C considered new information associated with a Parcel C interim removal action and groundwater data gaps investigation. Both the FS and HHRA are detailed in the Final FS Report for Parcel C. The FS Report and radiological addendum (June 20, 2008) summarize the most recent information available on Parcel C and provide the basis for the ROD for Parcel C. The Navy has completed a number of removal actions and treatability studies at Parcel C. Two key soil removal actions reduced or eliminated certain risks to human health and ecological receptors. More than 3,000 samples were collected and approximately 9,600 cubic yards (cy) of soil was excavated during the exploratory excavations and the steam and fuel lines time-critical removal action (TCRA). Past and ongoing treatability studies at Parcel C have focused on technologies to reduce VOCs in groundwater and soil, including ZVI injection and sequential anaerobic/aerobic bioremediation. Based on these removal actions and studies, the sources and extent of the remaining contamination in soil and groundwater have been well characterized. Industrial operations, former fuel lines, and underground storage tanks (UST) are the significant sources of chemicals in soil at Parcel C. The predominant chemicals in Parcel C soil are VOCs, PAHs, and metals. The 28 former USTs (either removed or closed in place) stored various liquids, including boiler oil, diesel fuel, gasoline, solvents, waste oil, and brine and water. Metal contamination is associated with the pickling operation at Building 258, the former foundry at Building 241, and with fuel additives. Pickling is the acid treatment of metallic surfaces to remove any surface impurities before further processing. Elevated concentrations of ubiquitous metals, such as arsenic and manganese, may be related to the bedrock fill quarried to build the shipyard in the 1940s. The fill may have contained elevated concentrations of select ubiquitous metals from the bedrock. Therefore, the Navy has worked with the regulatory agencies to identify remedial alternatives that address metals in soil, regardless of their source. SVOCs other than PAHs, pesticides, and PCBs were detected in localized areas in Parcel C soil. The sources of contamination in groundwater have been detected at four groundwater remedial units (RU), referred to as RU-C1. RU-C2. RU-C4. and RU-C5. The sources include dip tanks. sumps, former paint spray and cleaning rooms, industrial machining, USTs,

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solvent tanks, a pickling and degreasing area, floor drains and sewer lines, a former tank farm, and a former oil-water separator. The predominant chemicals present in Parcel C groundwater are VOCs, and discrete VOC plumes are found in each RU. Dense Non-Aqueous Phase Liquids (DNAPL) has been detected at RU-C5; however, it is currently believed to exist on site only as distributed pockets of immobile liquid. Viscous light nonaqueous phase liquid is present, but limited to one well in RU-C1 (IR28MW129A). Areas of concern for metals also have been identified in groundwater at RU-C1 (chromium VI and zinc) and RU-C5 (chromium VI). The plumes are based on groundwater monitoring information obtained before 2004. Recent findings from a treatability study and ongoing groundwater monitoring suggest a reduction in contaminant concentrations and the extent of the plumes since 2004. The current groundwater sample data will be reviewed during the remedial design (RD) to focus future groundwater remediation. The Navy identified radiologically impacted sites-including buildings, equipment, and infrastructure-at Parcel C associated with former use of general radioactive materials and decontamination of ships used during the 1946 atomic weapons testing in the South Pacific. Radiologically impacted buildings (203, 205 and discharge tunnel, 211, 214, 224, 241, 253, 271, and 272), storm drains, and sanitary sewers are all of concern in Parcel C. Storm drains and sewer lines were removed in 2007 at portions of IR-06 and IR-25 in Parcel C to address radiological concerns. Storm drains and sewer lines were addressed in these locations because they were connected to lines in Parcel B. The TCRA to address the remaining radiologically impacted sites in Parcel C began in 2010 and is scheduled for completion in 2012. All interim reports will be summarized in a final removal action completion report (RACR) which will be reviewed and approved by the BRAC Cleanup Team (BCT). Although the TCRA will not be completed by the time the ROD is signed, the TCRA is intended to achieve cleanup goals identical to the remedial action objectives (RAO) specified in this ROD. If the TCRA does not achieve its cleanup goals, cleanup will continue in accordance with the remedial action selected in this ROD until the RAOs are achieved. No tenants currently are at Parcel C; the parcel is a former industrial use area with restricted access that is undergoing remediation. The reuses defined in the San Francisco Redevelopment Agency's 1997 reuse plan were evaluated by the following exposure scenarios: residential (mixed-use and research and development blocks), industrial (maritime/industrial and educational/cultural blocks), and recreational (open space blocks). In 2010, the SFRA issued an amendment to the 1997 reuse plan which revised the reuses in Parcel C to show "Land Use Districts" within the area corresponding to the current Parcel C, as "HPS Shoreline Open Space" which is open space reuse scenario; and "Shipyard North Residential," Shipyard Village Center Cultural," and "Shipyard Research and Development," which are residential reuses. While the ROD was not revised to reflect the 2010 amended land use, the most up-to-date land use and associated human health risk exposure scenario will be evaluated at the time of the RD. The groundwater in the A-aquifer and upper F-WBZ, as discussed in the revised FS, is not suitable for use as drinking water. Exposures to the A-aquifer were evaluated based on indoor air inhalation and transport to the bay. The groundwater in the B-aquifer (RU-C5 only) was evaluated as a source of drinking water, though it has low potential for use as drinking water. The B-aquifer in the central area of Parcel C has been granted a Resolution No. 88-63 exception by the Water Board and is not suitable for use as a drinking water supply. Use of the B-aguifer groundwater at HPS is controlled by the City and County of San Francisco (CCSF), and the San Francisco Public Utility Commission (SFPUC) does not provide for use of groundwater in this area of the City. A ROD addressing Operable Unit 03 of the Treasure Island Naval Station-Hunters Point Annex Site was completed in September 2010. OU4: Former Parcel D. which includes about 98 acres in the central portion of the shipyard, was formerly part of the industrial

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support area and was used for shipping, ship repair, and office and commercial activities. Portions of former Parcel D were also used by NRDL. Parcel D-1 is located on the southeastern portion of the former 98-acre Parcel D, and Parcel UC-1 is located on the northern portion of former Parcel D. Parcel D-1 is 48.7 acres, and Parcel UC-1 is 3.9 acres. The remainder of former Parcel D is divided into Parcel D-2 and Parcel G. The original redevelopment plan developed by the San Francisco Redevelopment Agency in 1997 divided Parcels D-1 and UC-1 into reuse areas. The reuse areas for Parcel D-1 include maritime industrial and industrial reuse. Parcel UC-1 is proposed for mixed use and Spear Avenue will serve as an access street and utility corridor. To facilitate discussion of all areas of the parcel in the context of contamination and cleanup issues, the area was divided into redevelopment blocks. The redevelopment blocks (and associated reuses) on Parcel D-1 are 42 (industrial) and DMI-1 (maritime industrial). The redevelopment block (and associated reuse) on Parcel UC-1 is 30A (mixed use). Part of Block 30A is also within Parcel G. Reuse areas and redevelopment blocks may change in the future. Potential contamination at Parcel D-1 is from metals and polycyclic aromatic hydrocarbons (PAHs) in soil, metals and volatile organic compounds (VOCs) in groundwater, and radiologically impacted structures and soil. Potential contamination at Parcel UC-1 includes metals in soil and radiologically impacted structures and soil. Assessment of contamination and risk for Parcels D-1 and UC-1 is based on the Final Revised Feasibility Study (FS) Report for Parcel D, (November 30, 2007), including the revised human health risk assessment (HHRA) and the radiological addendum to the FS Report. The Revised FS Report for Parcel D considered new information associated with several cleanup actions completed within Former Parcel D and at other adjacent parcels at HPS. Both the FS and HHRA are detailed in the Final Revised FS Report for Parcel D. The FS Report and radiological addendum (April 11, 2008) summarize the most recent information available on former Parcel D and provide the basis for this Record of Decision (ROD) and other RODs for Parcels D-2 and G. Although a number of removal actions have been completed within Parcels D-1 and UC-1, chemical contamination remains. Based on recent studies and investigations, the sources and extent of the remaining contamination in soil and groundwater have been well characterized. Industrial activities have resulted in elevated concentrations of PAHs and metals in soil. Elevated concentrations of metals, such as arsenic and manganese, may be related to the bedrock fill quarried to build the shipyard in the 1940s. The fill may have contained elevated concentrations of select metals from the bedrock. Therefore, the Navy has worked with the regulatory agencies to identify remedial alternatives that address metals in soil, regardless of their source. In adjacent Parcel G, the Navy identified the former Pickling and Plate Yard as the source of the elevated concentrations of chromium VI and possibly nickel in groundwater. Use of solvents during industrial operations also released VOCs into groundwater (IR-71). Chromium VI and nickel are not currently found in concentrations that would require remediation at Parcel D-1 or UC-1. However, the Navy is monitoring groundwater in these parcels to evaluate whether these metals have migrated into Parcels D-1 and UC-1. Recent findings from a treatability study and ongoing groundwater monitoring suggest that there has been a reduction in the contaminant and plume extent since 2004. This reduction will result in a potential reconfiguration of the IR-71 plume and also will verify whether other plumes that originate in Parcel G may have migrated into Parcels D-1 and UC-1. The current groundwater sample data will be reviewed during the remedial design (RD) to focus groundwater remediation. The Navy identified radiologically impacted sites, including buildings, equipment, and infrastructure at former Parcel D (including areas within Parcels D-1 and UC-1) associated with the former use of general radioactive materials and decontamination of ships used during atomic weapons testing in the South Pacific. Parcel UC-1 includes

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radiologically impacted Building 819 as well as storm drains and sanitary sewers. Parcel D-1 includes a radiologically impacted Building (274); former building sites (313, 313A, 322, 383, the Gun Mole Pier, and the NRDL site on Mahan Street); and storm drains and sanitary sewers. The Navy is conducting a time-critical removal action (TCRA) to address potential radioactive contamination in buildings, former building sites, storm drains, and sanitary sewers (Navy 2006). The TCRA involves (1) surveying radiologically impacted structures and former building sites; (2) decontaminating (and demolishing if necessary) buildings and former building sites; (3) excavating radiologically impacted storm drain and sanitary sewer lines; and (4) screening, separating, and disposing of radioactively contaminated excavated materials at an off-site, low-level radioactive waste facility. Activities for the TCRA began in 2006. The Navy excavated more than 47,000 cubic yards of material and disposed of about 5,600 cubic yards off site as low-level radioactive waste in adjacent Parcel G. As part of the TCRA, the Navy removed more than 21,800 linear feet of storm drain and sanitary sewer lines for radiological contamination in Parcel G. To date, the Navy has not excavated radiologically impacted materials from Parcel D-1. However, survey and excavation began in April 2009 in Parcel UC-1 and roughly 95 percent of its sewers and storm drains have been removed to date. Additional storm drain and sewer line removal, along with sampling, remediation, and final status surveys are also underway. It is projected that 21,250 cubic yards of soil and 2,004 linear feet of storm drain and sanitary sewer lines will be removed in Parcel UC-1. Survey and excavation activities at Parcel D-1 have been contracted and scheduled for the remainder of 2009 and through 2010; it is projected that approximately 43,500 cubic yards of soil and 19,250 linear feet of storm drain and sanitary sewer lines will be removed in Parcel D-1. All Final Status Survey Reports and Survey Unit Package Reports will be summarized in a removal action completion report (RACR), which will be reviewed and approved by the Base Realignment and Closure (BRAC) Cleanup Team (BCT) and the California Department of Public Health (CDPH). Although the TCRA may not be completed by the time the ROD is signed, the TCRA is intended to achieve cleanup goals that are identical to the remedial action objectives (RAO) identified in this ROD. In the event that the TCRA does not achieve its cleanup goals, cleanup will continue in accordance with the remedial action selected in this ROD until the RAOs are achieved. A Record of Decision addressing Operable Unit 04 of the Treasure Island Naval Station -Hunters Point Annex Site was completed in September, 2009. OU 08: The Navy has divided former Parcel D into four new parcels: Parcel D-2, Parcel G, Parcel UC-1, and Parcel D-1. The redevelopment plan developed by San Francisco Redevelopment Agency (SFRA) in 1997 proposed Parcel D-2 as an area for research and development reuse. The SFRA redevelopment plan allows for residential uses in research and development reuse areas. Parcel D-2 is not associated with any Installation Restoration (IR) site. Parcel D-2, which includes Building 813 and the site of a former UST (UST S-812), was originally part of Parcel A. Building 813 is a large warehouse that was used as offices, a supply storehouse, and the Disaster Control Center. During research to support the Historical Radiological Assessment (HRA), documentation was found indicating a single leaking 300 uCi strontium-90 check source may have been stored in Building 813 in the past. As a result, the Navy recommended further evaluation of potential radiological contamination at Building 813. Underground Storage Tank (UST) S-812 was used to store fuel oil for a boiler in Building 813. According to the HRA, UST S-812 was not radiologically impacted. Subsequently, in 2004, the southeastern boundary of Parcel A was revised to exclude Building 813 so it could be surveyed for potential radiological contamination. The boundary revision resulted in inclusion of Building 813 within Parcel D. After the Parcel A boundary had been revised. Parcel A was transferred to the City and County of San Francisco pursuant to a Finding of

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Suitability for Transfer. Parcel D-2 consists of flat lowlands that are part of the original promontory of Franciscan Formation bedrock that underlies Hunter's Point Shipyard (HPS). Metals are naturally occurring in the minerals in the bedrock. The hydrogeologic setting at Parcel D-2 consists of a bedrock water-bearing zone, with groundwater likely present in limited fractures. Groundwater is not currently used for any purpose at Parcel D-2. Parcel D-2 ecology is limited to plant and animal species adapted to the industrial environment. The parcel is covered with Building 813 and surrounding pavement. Viable terrestrial habitat is limited at Parcel D-2 because the ground surface is paved or covered by structures. No threatened or endangered species are known to inhabit Parcel D-2 or its immediate vicinity. In 1993, the Navy performed a Site Inspection (SI) to evaluate potential contamination at Parcel A. Building 813 was investigated, and an inventory of the building was prepared to identify any potential sources of contamination. No sources of contamination inside the building were identified at that time. In 1976, UST S-812 was installed adjacent to Building 813 and used to store fuel oil for a boiler in Building 813. In 1991, UST S-812 was removed, and soil and groundwater samples were collected for chemical analysis. The site was then backfilled and paved. The 1991 soil and groundwater analytical results showed concentrations of metals below ambient levels. One soil sample contained a semi-volatile organic compound (phenanthrene at 190 micrograms per kilogram [ug/kg]). The only volatile organic compound (VOC) detected was total xylenes at 5 ug/kg. Diesel was the only total petroleum hydrocarbon (TPH) compound detected in the soil samples. One sample from the UST excavation contained TPH as diesel (TPH-d) at 14 milligrams per kilogram (mg/kg). The product pipe samples contained TPH-d at levels ranging from 18 to 32 mg/kg. The Water Board issued a closure letter for UST S-812 in January 2000. Seven VOCs (benzene; 1,2-dichloroethane; 1,1-dichloroethene; tetrachloroethene; 1,1,1-trichloroethane; trichloroethene; and toluene) were detected in the groundwater sample from the UST excavation. Each VOC was quantified at an estimated value less than, or equal to 6 micrograms per liter (ug/L) and below the laboratory practical quantitation limit (PQL). In 1993, and in response to regulatory agency concerns, the Navy conducted an additional groundwater investigation. VOCs were not detected in any of the groundwater samples in concentrations at or above the PQL of 10 ug/L. With the exception of acetone, no VOCs were detected above the method detection limit; the acetone detection was determined to be a result of laboratory contamination. The Navy therefore concluded that no further evaluation of the groundwater was necessary. Based on the SI and the subsequent groundwater results, the area that is now Parcel D-2 (Building 813 and the area immediately surrounding it) did not qualify to be included in the Remedial Investigation. In 1995, a no further action Record of Decision (ROD) was signed for Parcel A, which included this area at the time. In 2004, the Navy completed a base-wide HRA. During research to support the HRA, documentation was found indicating that a single leaking 300 uCi strontium-90 check source may have been stored on the first floor of Building 813 in the past. As a result, the Navy recommended further evaluation of potential radiological contamination at Building 813. Subsequently, the southeastern boundary of Parcel A was revised to exclude Building 813 so it could be surveyed for potential radiological contamination. As a result of the boundary revision, Building 813 was included within Parcel D. The HPS storm and sanitary combined sewer system was installed in the 1940s and underwent a series of separation projects (1958 to 1976), but was never completely separated. Based on gamma surveys of key manholes in the HRA, the determination was made that potential contamination of the storm and sanitary sewer system was likely near former NRDL sites or sites associated with radium use. Therefore, the Navy also recommended removal of sanitary and storm sewers at Parcels B, C, D, E and E-2. In 2006, the Navy began

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implementation of a Time critical removal action (TCRA) to address the Parcel D-2 storm and sanitary sewers. The TCRA was conducted in stages. First, piping laterals were removed to within the 10-foot safety buffer surrounding the structure or other associated obstructions. If no radiological contamination was present in this segment of the line, then the exposed ends of the lateral were capped or plugged and the remaining portions left in place. Next, however, if evidence of radiological contamination was encountered, the remaining lateral was removed in 10-linear-foot sections until the line had been determined to be free of radioactive contamination or to the face of Building 813 or other obstruction (stairways or loading docks) as practicable, whichever came first. Six of the eight drain lines left in place at Building 813 were associated with a roof drain system. The Navy concluded there was a low potential for radiological contamination to enter the storm sewer systems from the roof drains. The Navy further concluded that roof drain pipes are not contaminated and may be left in place within the 10-foot safety buffer. Sewer lines located on the north side of Building 813 were not excavated because of their proximity to the retaining wall that separates Parcel D-2 from the adjacent property and to prevent undermining the Building 813 loading dock. These lines either drain stormwater from the roof of Building 813 or are associated with upgradient storm drain lines emanating from the non-radiologically impacted SFRA property (formerly Parcel A, which was released for unrestricted use). Only two sanitary sewer lines (06-D12-00-10 and 06-D12-00-8D) were found to emanate from the eastern and southern sides of Building 813. A 10-foot section of line 06-D12-00-10 and a 20-foot section of line 06-D12-00-8D were not removed during excavation. Trench segment 06-D12-00-10 is a 6-inch-diameter, concrete-encased vitreous clay pipe. A total of 27 pieces of the removed sections of this pipe segment were surveyed, which includes a 100 percent surface scan, static measurements, and two swipe samples. None of the 27 pieces of segment 06-D12-00-10 showed activity above the release criteria. The pipe segment did not contain any sediment for collection and analysis. Segment 06-D12-00-8D is a 4-inch-diameter, cast-iron pipe not included in the Navy's design drawings for the sewer system. Although 20 feet of pipe segment 06-D12-00-8D was not removed, this pipe runs at a diagonal toward manhole MH207, and the majority of its length is within the 10-foot safety buffer. Manhole MH207 was removed as part of the Fisher/Spear (Utility Corridor 1) sewer removal action performed in 2009. No sediment was available in MH207 for sampling. A total of four pieces (about 28 linear feet) of 06-D12-00-8D sewer pipe was removed during the excavation. There was insufficient sediment in the pipe to collect a sample. However, radiological surveys were performed on each of the four excavated pipe pieces, which includes a 100 percent surface scan, static measurements, and two swipe samples. No activity above the release criteria was found during the survey. Based on analytical results and the radiological surveys, the Navy concluded that the storm drain piping remaining in place on Parcel D-2 after the TCRA was not radiologically impacted. The excavated storm drain and sanitary sewer trenches were backfilled to grade and covered with road base. The removal action is described in detail in the February 2010 Final Removal Action Completion Report, Revision 1. In 2007, the Navy surveyed Building 813 to evaluate whether strontium-90 or other radionuclides were a concern. Survey results concluded Building 813 could be released from radiological control pending regulatory agency approval. CDPH reviewed all radiological documentation on Building 813 and on April 1, 2008, concurred that no action was required and that Building 813 was acceptable for unrestricted use. In 2009, the Navy completed removal of the sanitary and storm sewers. A total of 1,988 linear feet of trench (including overburden soil, peripheral material, excavated soil, and pipe/manhole) was excavated during the TCRA. One of the seven manholes (MH208) was disposed of as low-level radioactive waste (LLRW)

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because cesium-137 activity was detected above the release limit, and only 3 linear feet of pipe was disposed of as LLRW based on elevated static measurements. Identification of elevated activity in piping or manholes does not necessarily indicate historical use or storage of radioactive material at the nearest radiologically-impacted area because the HPS combined storm drain and sanitary sewer systems have been modified and repaired over many years, and flow patterns may have changed. The identification of cesium-137 activity above the release limit in MH208 sediment is consistent with the conceptual site model for the radiologically-impacted storm drain and sanitary sewers at HPS. The Navy has conducted surveys showing all areas of Parcel D-2 storm drains and sanitary sewers meet the risk criteria for release. DTSC and CDPH reviewed all radiological documentation on the storm drains and sanitary sewers in Parcel D-2, and on August 9, 2010, concurred that no further action was required and that Parcel D-2 was acceptable for unrestricted use. A Record of Decision addressing Operable Unit 08 of the Treasure Island Naval Station - Hunters Point Annex Site was completed in June, 2010. Operable Unit (OU) 09: Parcel D, which includes about 98 acres in the central portion of the shipyard, was formerly part of the industrial support area and was used for shipping, ship repair, and office and commercial activities. The docks at Parcel D were formerly part of the industrial production area. Portions of Parcel D were also used by NRDL. Parcel G is located within the central portion of the former 98-acre Parcel D; the rest of former Parcel D is divided into Parcel D-2, Parcel UC-1, and Parcel D-1 (the remainder of Parcel D). In addition, a small area perpendicular to H Street has been added to Parcel G so that the boundary is now straight along H Street. This division supports the potential early transfer of Parcel G to the City and County of San Francisco. The original redevelopment plan developed by the San Francisco Redevelopment Agency in 1997 divided Parcel G into reuse areas. The reuse areas include educational/cultural, mixed use, open space, and industrial reuse. To facilitate discussion of all areas of the parcel in the context of contamination and cleanup issues - the area was divided into redevelopment blocks. Parcel G consists of flat lowlands that were constructed by placing borrowed fill material from various sources, including crushed serpentinite bedrock from the adjacent highland and dredged sediments with surface elevations between 0 to 10 feet above mean sea level. The serpentinite bedrock and serpentine bedrock-derived fill material consist of minerals that naturally contain asbestos and relatively high concentrations of arsenic, manganese, nickel, and other metals. The hydrostratigraphic units present at Parcel G are the same as at Parcel D: the A-aquifer, the aquitard zone, the B-aquifer, and a bedrock water-bearing zone. Groundwater beneath Parcel G includes the shallow A-aquifer and the deeper B-aquifer; groundwater is not currently used for any purpose at Parcel G. Groundwater in the A-aquifer is not suitable as a potential source of drinking water. Groundwater in the B-aquifer has a low potential as a future source of drinking water. Groundwater flow patterns at Parcel G are complex because they are potentially affected by (1) a groundwater sink located in adjacent Parcel E; (2) a groundwater mound located near the western boundary of Parcel G (beneath IR-33, IR-44, IR-66, and IR-67); (3) leaks of groundwater into former sanitary sewers or storm drains; (4) recharge from water supply lines; and (5) tides in the Bay. Most groundwater at Parcel G flows toward the Bay, except in the western portion of Parcel G, which historically has flowed away from the mound and toward the groundwater sink in Parcel E, where groundwater elevations are below mean sea level. The sink is believed to have been caused by leaks of groundwater into sanitary sewer lines, which were then pumped off site to the local publicly owned treatment works, thereby lowering groundwater levels in the area. Flow patterns continue to change now that the pumping has been discontinued and as sewer and storm drain lines are removed throughout HPS. Potential contamination at Parcel G is

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

associated with metals and PAHs in soil, metals and VOCs in groundwater, and radiologically impacted structures and soil. Assessment of contamination and risk for Parcel G is based on the Final Revised FS Report for Parcel D, (November 30, 2007) including the revised human health risk assessment (HHRA), and the radiological addendum to the FS Report. The Revised FS Report for Parcel D considered new information associated with several cleanup actions completed within Parcel G and at other adjacent parcels at HPS. Both the FS and HHRA activities are detailed in the Final Revised FS Report for Parcel D. The FS Report and radiological addendum (April 11, 2008) summarize the most recent information available on former Parcel D and provide the basis for the RODs for Parcel G and the other three parcels. Although a number of removal actions have been completed within Parcel G, chemical contamination remains. Based on recent studies and investigations, the sources and extent of the remaining contamination in soil and groundwater have been well characterized. Industrial activities have resulted in elevated concentrations of PAHs and lead in soil. Elevated concentrations of metals other than lead, such as arsenic and manganese, may be related to the bedrock fill guarried to build the shipvard in the 1940s. The fill may have contained elevated concentrations of select metals from the bedrock. Therefore, the Navy has worked with the regulatory agencies to identify remedial alternatives that address metals in soil, regardless of their source. The Navy also identified the former Pickling and Plate Yard (IR-09) within Parcel G as the source of the elevated concentrations of chromium VI and possibly nickel in groundwater. Cultural resource issues have delayed the removal of the pickling and plating sump. Use of solvents during industrial operations also released VOCs into groundwater (IR-71). The plume configuration is based on groundwater monitoring information collected before 2004. Recent findings from a treatability study and ongoing groundwater monitoring suggest that there has been a reduction in the contaminant and plume extent since 2004. This reduction will result in a reconfiguration of the plumes. The current groundwater sample data will be reviewed during the remedial design (RD) to focus the groundwater remediation activities. The Navy identified radiologically impacted sites, including buildings, equipment, and infrastructure at Parcel D (including areas within Parcel G) associated with the former use of general radioactive materials and decontamination of ships used during atomic weapons testing in the South Pacific. Radiologically impacted buildings (351, 351A, 364, 365, 366/351B, 401, 408, and 411); former building sites (317); and storm drains and sanitary sewers are all of concern in Parcel G. In addition, a focused area in Building 439 was found to require remediation during the radiological investigation. The Navy decided to conduct a timecritical removal action (TCRA) to address potential radioactive contamination in buildings, former building sites, storm drains, and sanitary sewers at Parcel G. The TCRA involves (1) surveying radiologically impacted structures and former building sites; (2) decontaminating (and demolishing if necessary) buildings and former building sites; (3) excavating radiologically impacted storm drain and sanitary sewer lines; and (4) screening, separating, and disposing of radioactively contaminated excavated materials at an off-site, low-level radioactive waste facility. Activities for the TCRA at Parcel G began in 2006. The Navy excavated more than 47,000 cubic yards of material and disposed of about 5,600 cubic yards off site as low-level radioactive waste. As part of the TCRA, the Navy removed more than 21,800 linear feet of storm drain and sanitary sewer lines for radiological contamination in Parcel G. Removal actions and backfill has been completed for approximately 80% of the storm drain and sanitary sewer trench units. Ongoing TCRA activities will continue post ROD until release criteria have been met. Upon completion of the storm drain and sanitary sewer trench TCRA, Survey Unit Package Reports will be completed and distributed to the BCT and CDPH for all trench units. As of January 2009, 90% of the radiological surveys, remediation, and draft

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

preparation of the final status surveys are complete in all Parcel G Buildings, to include Buildings 351, 351A, 366, 401, 408, 411, and 439. Following building surveys, Buildings 364, 365, and 408 were demolished, and have had their building footprints surveyed and remediated. Materials from Buildings 364, 365, and 408 have had their construction debris appropriately radiologically and chemically screened, and transported to the appropriate disposal facility. TCRA activities continue in the localized area surrounding former Building Sites 364, 365, and 317. Final Status Survey Reports are currently being produced for all radiologically impacted buildings and sites in Parcel G for upcoming distribution. All Final Status Survey Reports and Survey Unit Package Reports for Parcel G will be summarized in the Parcel G removal action completion report (RACR), which will be reviewed and approved by the BRAC Cleanup Team (BCT) and the California Department of Public Health (CDPH). Although the TCRA may not be completed by the time the ROD is signed, the TCRA is intended to achieve cleanup goals that are identical to the RAOs identified in this ROD. In the event that the TCRA does not achieve its cleanup goals, cleanup will continue in accordance with the remedial action selected in this ROD until the RAOs are achieved. The reuses defined in the San Francisco Redevelopment Agency's 1997 Reuse Plan were evaluated by the following exposure scenarios: residential (mixed-use and research and development blocks), industrial (industrial and educational/cultural blocks), and recreational (open space block). The groundwater in the A aquifer, as discussed in the Feasibility Study, is not suitable for use as drinking water. Exposures to the A aquifer were evaluated based on indoor air inhalation and transport to the Bay. The groundwater in the B-aquifer was evaluated as a drinking water source, though it has low potential for use as drinking water. A Record of Decision addressing OU09 of the Treasure Island Naval Station - Hunters Point Annex was completed in February 2009. Operable Unit 10: The former Parcel C historically included about 79 acres in the central portion of the shipyard, as formerly part of the industrial support area, and was used for shipping, ship repair, and office and commercial activities. Industrial support facilities for ship repair dominated the land use at the former Parcel C and included a foundry, a power plant, a sheet manufacturing shop, a paint shop, and various machine shops; 70 buildings are located within the boundaries of the former Parcel C. The docks at the former Parcel C were formerly part of the industrial production area. Portions of the former Parcel C were also used by Naval Radiological Defense Laboratory (NRDL). In 2002, the boundaries of Parcel B and C were redefined, and IR-06 and IR-25 became part of the former Parcel C. In 2009, the Navy divided the former Parcel C into new parcels: Parcel UC-2 and Parcel C. Parcel UC-2 was split from the former Parcel C because transfer of this property provides access to Fisher Avenue and the nearby utility corridor for redevelopment. Parcel UC-2 is about 3.9 acres; the current Parcel C is not addressed in this Record of Decision (ROD). Historical use of the southern portion of Parcel UC-2 is as a roadway (Fisher Avenue) and the northern portion is as a triangularly shaped parking lot (at the corner of Fisher Avenue and Robinson Street) for Building 101. The roadway was constructed by placing borrowed fill, and the parking lot is located on the original promontory with native soil over shallow bedrock. These features apply to most of the parcel, with a limited amount of property directly adjacent to them; there are no buildings. Along the western side of Fisher Avenue is a sharp rise of 5 to 15 feet that is vegetated with ice plant and annual grass. The storm drains and sanitary sewers in Parcel UC-2 are considered radiologically impacted because operations at HPS resulted in the disposal of radioactive materials through these systems. These wastes included materials from ship and personnel decontamination, fallout samples, and radioactive materials from refurbishment of radioluminescent devices, including radium-bearing paint. The original redevelopment plan developed by the San Francisco Redevelopment Agency in 1997

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

### 1000403627

divided Parcel UC-2 into reuse areas. The reuse areas include mixed use and research and development. The area was divided into redevelopment blocks to facilitate discussion of all areas of the parcel in the context of contamination and cleanup issues. The redevelopment blocks (and associated reuses) for Parcel UC-2 are 10 (mixed use) and 17 (research and development); unlabelled areas are planned future roads. The IR-06 plume that crosses into Parcel UC-2 primarily contains low-level carbon tetrachloride; carbon tetrachloride has not been consistently detected in any other area of IR-06 and does not have an identified source. Current and Potential Future Site Uses The Parcel UC-2 reuses (mixed-use and research and development) specified in the San Francisco Redevelopment Agency's 1997 reuse plan were evaluated for the residential exposure scenario. The groundwater in the A-aquifer, as discussed in the revised Feasibility Study (FS), is not suitable for use as drinking water. Additionally, drinking water standards do not apply to the A-aquifer or the upper bedrock water bearing zone when it is the uppermost groundwater unit. Exposures to the A-aquifer were evaluated based on indoor air inhalation and transport to the San Francisco Bay. A Record of Decision addressing Operable Unit 10 of the Hunters Point Shipyard was completed in December, 2009.

### CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	01/01/85
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action:	001 HAZARD RANKING SYSTEM PACKAGE
Date Started:	/ /
Date Completed:	05/01/88
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FEDERAL FACILITY REMOVAL
Date Started:	06/25/87
Date Completed:	03/31/89
Priority Level:	Cleaned up
Operable Unit:	PARCEL D-1
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

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For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started:	11
Date Completed:	07/14/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started:	11
Date Completed:	11/21/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started: Date Completed: Priority Level: Operable Unit: Primary Responsibility: Planning Status: Urgency Indicator:	001 Notice Letters Issued / / 03/02/90 Not reported SITEWIDE EPA Fund-Financed Not reported Not reported
Action Anomaly:	Not reported Not reported
	•

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	/ /
Date Completed:	09/06/90
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Database(s)

EDR ID Number EPA ID Number

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Action Code: 001 SITE INSPECTION Action: Date Started: 11 Date Completed: 09/06/90 Higher priority for further assessment Priority Level: SITEWIDE Operable Unit: Primary Responsibility: Federal Facilities Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001 Action: INTERAGENCY AGREEMENT NEGOTIATIONS Date Started: 03/02/90 Date Completed: 09/28/90 Priority Level: Not reported Operable Unit: SITEWIDE Primary Responsibility: Federal Enforcement Planning Status: Primary Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FEDERAL INTERAGENCY AGREEMENT
Date Started:	09/28/90
Date Completed:	09/28/90
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report .:

002
FEDERAL FACILITY REMOVAL
03/14/88
12/03/90
Stabilized
PARCEL E
Federal Facilities
Primary
Not reported
Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started: 007 FEDERAL FACILITY REMOVAL 11/02/91
Database(s)

EDR ID Number EPA ID Number

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Date Completed:	07/12/92
Priority Level:	Stabilized
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	005
Action:	FEDERAL FACILITY REMOVAL
Date Started:	12/03/90
Date Completed:	11/18/92
Priority Level:	Stabilized
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	FEDERAL FACILITY REMOVAL
Date Started:	09/13/90
Date Completed:	10/22/93
Priority Level:	Partially Cleaned up
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	FEDERAL FACILITY REMOVAL
Date Started:	08/28/90
Date Completed:	01/05/94
Priority Level:	Stabilized
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	ENVIRONMENTAL IMPACT STATEMENT
Date Started:	12/03/94
Date Completed:	12/04/94
Priority Level:	Not reported
Operable Unit:	SITEWIDE

Database(s)

EDR ID Number EPA ID Number

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	RE-USE PLAN
Date Started:	11/03/95
Date Completed:	11/04/95
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/28/90
Date Completed:	11/28/95
Priority Level:	Not reported
Operable Unit:	PARCEL A
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	11/28/95
Priority Level:	Not reported
Operable Unit:	PARCEL A
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	ENVIRONMENTAL ASSESSMENT
Date Started:	12/03/95
Date Completed:	12/04/95
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Database(s)

EDR ID Number EPA ID Number

### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

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For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	FEDERAL FACILITY REMOVAL
Date Started:	04/26/91
Date Completed:	07/31/96
Priority Level:	Cleaned up
Operable Unit:	PARCEL D-1
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	011
Action:	FEDERAL FACILITY REMOVAL
Date Started:	07/24/96
Date Completed:	09/05/97
Priority Level:	Stabilized
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/28/90
Date Completed:	10/09/97
Priority Level:	Not reported
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002	
Action:	RECORD OF DECISION	
Date Started:	/ /	
Date Completed:	10/09/97	
Priority Level:	Not reported	
Operable Unit:	PARCEL B	
Primary Responsibility:	Federal Facilities	
Planning Status:	Primary	
Urgency Indicator:	Not reported	
Action Anomaly:	Not reported	

For detailed financial records, contact EDR for a Site Report.:

013

Action Code:

#### Database(s)

EDR ID Number **EPA ID Number** 

#### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Action: FEDERAL FACILITY REMOVAL Date Started: 09/06/96 12/19/97 Date Completed: Priority Level: Not reported Operable Unit: PARCEL E Primary Responsibility: Federal Facilities Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	009
Action:	FEDERAL FACILITY REMOVAL
Date Started:	05/01/97
Date Completed:	01/01/98
Priority Level:	Partially Cleaned up
Operable Unit:	PARCEL C
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report .:

Action Code:	008
Action:	FEDERAL FACILITY REMOVAL
Date Started:	08/22/96
Date Completed:	02/23/98
Priority Level:	Cleaned up
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report .:

Action Code:	001
Action:	Explanation Of Significant Differences
Date Started:	/ /
Date Completed:	10/20/98
Priority Level:	Not reported
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action:	001 NOTICE OF INTENT TO PARTIALLY DELETE
Date Started:	//
Date Completed:	12/15/98

Database(s)

EDR ID Number EPA ID Number

### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	012
Action:	FEDERAL FACILITY REMOVAL
Date Started:	09/13/96
Date Completed:	01/29/99
Priority Level:	Stabilized
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	010
Action:	FEDERAL FACILITY REMOVAL
Date Started:	10/18/96
Date Completed:	02/16/99
Priority Level:	Stabilized
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started: Date Completed: Priority Level: Operable Unit: Primary Responsibility: Planning Status:	001 PARTIAL NATIONAL PRIORITIES LIST DELETION 12/15/98 04/05/99 Not reported PARCEL A EPA Fund-Financed Not reported
1	
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	07/31/98
Date Completed:	08/31/99
Priority Level:	Not reported
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities

Database(s)

EDR ID Number EPA ID Number

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started: Date Completed: Priority Level: Operable Unit: Primary Responsibility: Planning Status: Urgency Indicator:	002 Explanation Of Significant Differences / / 05/05/00 Not reported PARCEL B Federal Facilities Not reported Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	017
Action:	FEDERAL FACILITY REMOVAL
Date Started:	10/01/01
Date Completed:	10/26/01
Priority Level:	Stabilized
Operable Unit:	PARCEL C
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Emergency
Urgency Indicator:	Emergency
Action Anomaly:	Not reported
-	

For detailed financial records, contact EDR for a Site Report.:

Action Code:	015
Action:	FEDERAL FACILITY REMOVAL
Date Started:	09/13/00
Date Completed:	12/06/01
Priority Level:	Not reported
Operable Unit:	PARCEL D-1
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

016
FEDERAL FACILITY REMOVAL
09/13/01
07/12/02
Not reported
PARCEL C
Federal Facilities
Not reported
Not reported
Not reported

Database(s)

EDR ID Number EPA ID Number

### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

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For detailed financial records, contact EDR for a Site Report.:

018
FEDERAL FACILITY REMOVAL
09/23/02
05/15/03
Stabilized
PARCEL E
Federal Facilities
Not reported
Not reported
Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	FEDERAL FACILITY FIVE YEAR REVIEW
Date Started:	07/08/03
Date Completed:	07/01/04
Priority Level:	Not reported
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	014
Action:	FEDERAL FACILITY REMOVAL
Date Started:	02/01/01
Date Completed:	09/30/06
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	019	
Action:	FEDERAL FACILITY REMOVAL	
Date Started:	10/28/04	
Date Completed:	09/30/06	
Priority Level:	Not reported	
Operable Unit:	PARCEL D-1	
Primary Responsibility:	Federal Facilities	
Planning Status:	Not reported	
Urgency Indicator:	Not reported	
Action Anomaly:	Not reported	

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

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#### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Action Code: 020 FEDERAL FACILITY REMOVAL Action: Date Started: 04/11/05 Date Completed: 10/31/07 Priority Level: Not reported Operable Unit: PARCEL E Primary Responsibility: Federal Facilities Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started:	022 FEDERAL FACILITY REMOVAL
Date Completed:	04/08/05 11/30/07
Priority Level:	Not reported
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	023
Action:	FEDERAL FACILITY REMOVAL
Date Started:	04/08/05
Date Completed:	11/30/07
Priority Level:	Not reported
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report .:

Action Code:	021
Action:	FEDERAL FACILITY REMOVAL
Date Started:	04/25/05
Date Completed:	12/07/07
Priority Level:	Not reported
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:004Action:FEDERAL FACILITY FIVE YEAR REVIEWDate Started:/ /

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

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### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Date Completed:	12/03/08
Priority Level:	Not reported
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	TECHNICAL ASSISTANCE GRANT
Date Started:	09/30/03
Date Completed:	12/31/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

001
RECORD OF DECISION AMENDMENT
11
01/28/09
Not reported
PARCEL B
Federal Facilities
Not reported
Not reported
Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action:	026 FEDERAL FACILITY REMOVAL
Date Started:	03/01/08
Date Completed:	01/31/09
Priority Level:	Not reported
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	008
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	02/18/09
Priority Level:	Not reported
Operable Unit:	PARCEL G
Primary Responsibility:	Federal Facilities

Database(s)

EDR ID Number EPA ID Number

1000403627

### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	025
Action:	FEDERAL FACILITY REMOVAL
Date Started:	03/01/08
Date Completed:	03/31/09
Priority Level:	Not reported
Operable Unit:	PARCEL B
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	10/01/90
Date Completed:	09/11/09
Priority Level:	Not reported
Operable Unit:	PARCEL D-1
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	09/11/09
Priority Level:	Not reported
Operable Unit:	PARCEL D-1
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	009
Action:	RECORD OF DECISION
Date Started:	//
Date Completed:	12/17/09
Priority Level:	Not reported
Operable Unit:	UTILITY CORRIDORS
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Database(s)

EDR ID Number EPA ID Number

### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

1000403627

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	06/22/10
Priority Level:	Not reported
Operable Unit:	PARCEL D-2 (BLDGS 813+819)
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/28/90
Date Completed:	09/20/10
Priority Level:	Partially Cleaned up
Operable Unit:	PARCEL C
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

004
RECORD OF DECISION
11
09/20/10
Not reported
PARCEL C
Federal Facilities
Primary
Not reported
Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	06/30/10
Date Completed:	12/30/10
Priority Level:	Not reported
Operable Unit:	UTILITY CORRIDORS
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

002

Action Code:

DESIGN

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

#### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

1000403627

Action:	FEDERAL FACILITY REMEDIAL
Date Started:	12/01/10
Date Completed:	02/11/11
Priority Level:	Not reported
Operable Unit:	PARCEL D-1
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started: Date Completed: Priority Level: Operable Unit: Primary Responsibility: Planning Status: Urgency Indicator:	027 FEDERAL FACILITY REMOVAL 05/21/12 09/10/12 Not reported PARCEL E-2 (LANDFILL) Federal Facilities Not reported Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report .:

Action Code:	007
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	01/22/91
Date Completed:	11/20/12
Priority Level:	Not reported
Operable Unit:	PARCEL E-2 (LANDFILL)
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	010
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	11/20/12
Priority Level:	Not reported
Operable Unit:	PARCEL E-2 (LANDFILL)
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	008
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	09/01/12
Date Completed:	11/29/12
Priority Level:	Not reported

Database(s)

EDR ID Number EPA ID Number

1000403627

## TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Operable Unit:	PARCEL G
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	009
Action:	FEDERAL FACILITY REMEDIAL ACTION
Date Started:	12/17/09
Date Completed:	02/15/13
Priority Level:	Not reported
Operable Unit:	UTILITY CORRIDORS
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started: Date Completed: Priority Level: Operable Unit: Primary Responsibility: Planning Status: Urgency Indicator:	003 FEDERAL FACILITY REMEDIAL DESIGN 10/30/10 08/05/13 Not reported PARCEL C Federal Facilities Primary Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report .:

Action Code:	006
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/28/90
Date Completed:	11
Priority Level:	Not reported
Operable Unit:	PARCEL F
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported
Date Started: Date Completed: Priority Level: Operable Unit: Primary Responsibility: Planning Status: Urgency Indicator:	09/28/90 / / Not reported PARCEL F Federal Facilities Not reported Not reported

Action Code:	005
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	01/22/91
Date Completed:	11
Priority Level:	Not reported
Operable Unit:	PARCEL E
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported

Database(s)

EDR ID Number EPA ID Number

#### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

#### Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001 Action: Restoration Advisory Board Date Started: 02/01/94 Date Completed: 11 Priority Level: Not reported Operable Unit: SITEWIDE Primary Responsibility: Federal Facilities Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

001
FEDERAL FACILITY REMEDIAL ACTION
07/06/98
11
Not reported
PARCEL B
Federal Facilities
Primary
Long Term Action
Not reported

For detailed financial records, contact EDR for a Site Report .:

Action Code:	024
Action:	FEDERAL FACILITY REMOVAL
Date Started:	04/21/06
Date Completed:	11
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

002
TECHNICAL ASSISTANCE GRANT
10/01/09
11
Not reported
SITEWIDE
Federal Facilities
Not reported
Not reported
Not reported

Action Code:	003
Action:	FEDERAL FACILITY REMEDIAL ACTION

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Date Started:	06/01/11
	00/01/11
Date Completed:	11
Priority Level:	Not reported
Operable Unit:	PARCEL C
Primary Responsibility:	Federal Facilities
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

002
FEDERAL FACILITY REMEDIAL ACTION
07/31/11
11
Not reported
PARCEL D-1
Federal Facilities
Primary
Not reported
Not reported

For detailed financial records, contact EDR for a Site Report .:

Action Code:	006
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	11/20/12
Date Completed:	11
Priority Level:	Not reported
Operable Unit:	PARCEL E-2 (LANDFILL)
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	FEDERAL FACILITY REMEDIAL ACTION
Date Started:	11/20/12
Date Completed:	11
Priority Level:	Not reported
Operable Unit:	PARCEL E-2 (LANDFILL)
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	008
Action:	FEDERAL FACILITY REMEDIAL ACTION
Date Started:	03/01/13
Date Completed:	11
Priority Level:	Not reported

Database(s)

EDR ID Number EPA ID Number

1000403627

#### TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)

Operable Unit:	PARCEL G
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: Action: Date Started: Date Completed: Priority Level: Operable Unit:	006 FEDERAL FACILITY REMEDIAL ACTION 08/05/13 / / Not reported PARCEL C
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

#### Federal Register Details:

Fed Register Date:	11/21/89
Fed Register Volume:	54
Page Number:	48184
Fed Register Date:	07/14/89
Fed Register Volume:	54
Page Number:	29820

<u>Click this hyperlink</u> while viewing on your computer to access 354 additional US CERCLIS Financial: record(s) in the EDR Site Report.

### US ENG CONTROLS:

~	ENO CONTINUED.	
	EPA ID:	CA1170090087
	Site ID:	0902722
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
	Address:	HUNTERS POINT NAVAL SHIPYARD
		SAN FRANCISCO, CA 94124
	EPA Region:	09
	County:	SAN FRANCISCO
	Event Code:	Not reported
	Actual Date:	09/30/2010
	Action ID:	001
	Action Name:	Explanation Of Significant Differences
	Action Completion date:	10/20/1998
	Operable Unit:	02
	Contaminated Media :	Soil
	Engineering Control:	Non-fundamental change (ESD)
	Action ID:	002
	Action Name:	Explanation Of Significant Differences

Action ID:	002
Action Name:	Explanation Of Significant Difference
Action Completion date:	05/05/2000
Operable Unit:	02

Database(s)

EDR ID Number EPA ID Number

TREASURE ISLAND NAVA	L STATION-HUNTERS POINT ANNEX (Continued)
Contaminated Media : Engineering Control:	Soil Non-fundamental change (ESD)
Action ID: Action Name: Action Completion date Operable Unit:	01
Contaminated Media : Engineering Control:	Groundwater No Action
Action ID: Action Name: Action Completion date Operable Unit: Contaminated Media : Engineering Control:	01
Action ID:	002
Action Name: Action Completion date Operable Unit:	02
Contaminated Media : Engineering Control:	Debris Grouting
Action ID: Action Name: Action Completion date Operable Unit: Contaminated Media : Engineering Control:	02
Action ID: Action Name: Action Completion date Operable Unit: Contaminated Media : Engineering Control:	02
Action ID: Action Name: Action Completion date Operable Unit: Contaminated Media : Engineering Control:	02
Action ID: Action Name: Action Completion date Operable Unit: Contaminated Media : Engineering Control:	002 RECORD OF DECISION 10/09/1997 02 Soil Excavation
Action ID: Action Name: Action Completion date Operable Unit: Contaminated Media :	02

Database(s)

EDR ID Number EPA ID Number

Engineering Control:	Surface Drainage Control	-
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media :	003 RECORD OF DECISION	
Engineering Control:	Decontamination 003	
Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	RECORD OF DECISION	
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION 09/11/2009 04 Buildings/Structures Excavation	
Engineering Control: Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION	
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION 09/11/2009 04 Groundwater Bioremediation (In-Situ)	
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION 09/11/2009 04 Groundwater Monitoring	
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION 09/11/2009 04 Soil Disposal	
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION 09/11/2009 04 Soil Excavation	

Database(s)

EASURE ISLAND NAVAL	STATION-HUNTERS POINT ANNI	EX (Continued)	1000403627
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION 09/11/2009 04 Soil Sampling		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	003 RECORD OF DECISION 09/11/2009 04 Soil Soil Cover		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Buildings/Structures Decontamination		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Buildings/Structures Demolition		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Buildings/Structures Disposal		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Buildings/Structures Excavation		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Groundwater Bioremediation (In-Situ)		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Groundwater Chemical Reduction, (N.O.S.)		
Action ID:	004		

Database(s)

TREASURE ISLAND NAVAL	STATION-HUNTERS POINT A	NNEX (Continued)	1000403627
Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	RECORD OF DECISION 09/20/2010 03 Groundwater Monitoring		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Groundwater Natural Attenuation		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Soil Cap		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Soil Disposal		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Soil Excavation		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Soil Monitoring		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	004 RECORD OF DECISION 09/20/2010 03 Soil Soil Vapor Extraction (in-situ)		
Action ID: Action Name: Action Completion date: Operable Unit: Contaminated Media : Engineering Control:	007 RECORD OF DECISION 06/22/2010 08 Buildings/Structures No Further Action		
Action ID: Action Name:	007 RECORD OF DECISION		

Database(s)

TREASURE ISLAND N	AVAL STATION-HUNTERS POINT ANNEX (Continued)	10004
Action Completior Operable Unit: Contaminated Me Engineering Cont	08 dia : Groundwater	
Action ID: Action Name: Action Completior Operable Unit: Contaminated Me Engineering Cont	08 dia : Soil	
Action ID: Action Name: Action Completior Operable Unit: Contaminated Me Engineering Cont	09 dia : Buildings/Structures	
Action ID: Action Name: Action Completior Operable Unit: Contaminated Me Engineering Cont	09 dia : Buildings/Structures	
Action ID: Action Name: Action Completior Operable Unit: Contaminated Me Engineering Cont	09 dia : Buildings/Structures	
Action ID: Action Name: Action Completior Operable Unit: Contaminated Me Engineering Cont	09 dia : Buildings/Structures	
Action ID: Action Name: Action Completior Operable Unit: Contaminated Me Engineering Cont	09 dia : Buildings/Structures	
Action ID: Action Name: Action Completior Operable Unit: Contaminated Me Engineering Cont	09 dia : Groundwater	
Action ID: Action Name: Action Completior	008 RECORD OF DECISION date: 02/18/2009	

Database(s)

TRE	ASURE ISLAND NAVAL	STATION-HUNTERS POINT ANNEX (Continued)	1000403627
	Operable Unit:	09	
	Contaminated Media :	Groundwater	
	Engineering Control:	In-Situ Chemical Oxidation (ISCO)	
	Action ID:	008	
	Action Name:	RECORD OF DECISION	
	Action Completion date:		
	Operable Unit:	09	
	Contaminated Media : Engineering Control:	Soil Cap	
		·	
	Action ID:		
	Action Name:	RECORD OF DECISION	
	Action Completion date: Operable Unit:	09	
	Contaminated Media :	Soil	
	Engineering Control:	Disposal	
	Action ID:		
	Action Name:	RECORD OF DECISION	
	Action Completion date: Operable Unit:	09	
	Contaminated Media :	Soil	
	Engineering Control:	Excavation	
		000	
	Action ID: Action Name:	008 RECORD OF DECISION	
	Action Completion date:		
	Operable Unit:	09	
	Contaminated Media :	Soil	
	Engineering Control:	Sampling	
	Action ID:	008	
	Action Name:	RECORD OF DECISION	
	Action Completion date:	02/18/2009	
	Operable Unit:	09	
	Contaminated Media :	Soil Gas	
	Engineering Control:	Monitoring	
	Action ID:	008	
	Action Name:	RECORD OF DECISION	
	Action Completion date:		
	Operable Unit: Contaminated Media :	09 Soil Gas	
	Engineering Control:	Sampling	
	Action ID:		
	Action Name:	RECORD OF DECISION	
	Action Completion date: Operable Unit:	10	
	Contaminated Media :	Buildings/Structures	
	Engineering Control:	Decontamination	
	Action ID:	009	
	Action Name:	RECORD OF DECISION	
	Action Completion date:		
	Operable Unit:	10	

Database(s)

TREASURE ISLAND NAVAL	STATION-HUNTERS POINT ANNEX	(Continued)	1
	Buildings/Structures Disposal		
Action Name: Action Completion date: Operable Unit: Contaminated Media :	009 RECORD OF DECISION 12/17/2009 10 Buildings/Structures Excavation		
Action Name: Action Completion date: Operable Unit: Contaminated Media :	009 RECORD OF DECISION 12/17/2009 10 Groundwater Monitoring		
Action Name: Action Completion date: Operable Unit: Contaminated Media :	009 RECORD OF DECISION 12/17/2009 10 Groundwater Natural Attenuation		
Action Name: Action Completion date: Operable Unit: Contaminated Media :	009 RECORD OF DECISION 12/17/2009 10 Soil Decontamination		
Action Name: Action Completion date: Operable Unit: Contaminated Media :	009 RECORD OF DECISION 12/17/2009 10 Soil Disposal		
Action Name: Action Completion date: Operable Unit: Contaminated Media :	009 RECORD OF DECISION 12/17/2009 10 Soil Excavation		
Action Name: Action Completion date: Operable Unit: Contaminated Media :	009 RECORD OF DECISION 12/17/2009 10 Soil Soil Cover		
Action Name: Action Completion date: Operable Unit:	001 ROD Amendment 01/28/2009 02 Buildings/Structures		

Database(s)

EDR ID Number EPA ID Number

Engineering Control:	Decontamination
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Buildings/Structures
Engineering Control:	Demolition
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Buildings/Structures
Engineering Control:	Disposal
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Groundwater
Engineering Control:	Bioremediation (In-Situ)
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Groundwater
Engineering Control:	Monitoring
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Sediment
Engineering Control:	Shoreline Stabilization
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Sediment
Engineering Control:	Wetlands Replacement
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Soil
Engineering Control:	Air Monitoring
Action ID:	001
Action Name:	ROD Amendment
Action Completion date:	01/28/2009
Operable Unit:	02
Contaminated Media :	Soil
Engineering Control:	Cap

Database(s)

Action ID:	001	
Action Name:	ROD Amendment	
Action Completion date:	01/28/2009	
Operable Unit:	02	
Contaminated Media :	Soil	
Engineering Control:	Disposal	
Action ID:	001	
Action Name:	ROD Amendment	
Action Completion date:	01/28/2009	
Operable Unit:	02	
Contaminated Media :	Soil	
Engineering Control:	Excavation	
Action ID:	001	
Action Name:	ROD Amendment	
Action Completion date:	01/28/2009	
Operable Unit:	02	
Contaminated Media :	Soil	
Engineering Control:	Soil Cover	
Action ID:	001	
Action Name:	ROD Amendment	
Action Completion date:	01/28/2009	
Operable Unit:	02	
Contaminated Media :	Soil	
Engineering Control:	Soil Vapor Extraction (in-situ)	
JS INST CONTROL: EPA ID: Site ID: Name:	CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX	
EPA ID: Site ID:		
EPA ID: Site ID: Name:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD	
EPA ID: Site ID: Name: Action Name: Address:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124	
EPA ID: Site ID: Name: Action Name: Address: EPA Region:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name: Action Name:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name: Action Name:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name: Action Name: Address:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name: Action Name: Address: EPA Region:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name: Action Name: Address: EPA Region: County:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO	
EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code: Inst. Control: Actual Date: Complet. Date: Operable Unit: Contaminated Media : EPA ID: Site ID: Name: Action Name: Address: EPA Region: County: Event Code:	0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported Deed Restriction 12/31/1997 10/09/1997 02 Groundwater CA1170090087 0902722 TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124 09 SAN FRANCISCO Not reported	

Database(s)

EDR ID Number EPA ID Number

TREASURE ISLAND NAVA	L STATION-HUNTERS POINT ANNEX (Continued)
Operable Unit:	02
Contaminated Media :	Soil
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name: Address:	RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124
EPA Region:	09
County:	SAN FRANCISCO
Event Code:	Not reported
Inst. Control:	Access Restriction
Actual Date:	09/30/2009
Complet. Date:	09/11/2009
Operable Unit:	04
Contaminated Media :	Groundwater
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name:	RECORD OF DECISION
Address:	HUNTERS POINT NAVAL SHIPYARD
EPA Region: County:	SAN FRANCISCO, CA 94124 09 SAN FRANCISCO
Event Code:	Not reported
Inst. Control:	Covenant
Actual Date:	09/30/2009
Complet. Date:	09/11/2009
Operable Unit:	04
Contaminated Media :	Groundwater
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name:	RECORD OF DECISION
Address:	HUNTERS POINT NAVAL SHIPYARD
EPA Region:	SAN FRANCISCO, CA 94124
County: Event Code:	09 SAN FRANCISCO Not reported
Inst. Control:	Access Restriction
Actual Date:	09/30/2009
Complet. Date:	09/11/2009
Operable Unit:	04
Contaminated Media :	Soil
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name:	RECORD OF DECISION
Address:	HUNTERS POINT NAVAL SHIPYARD
EPA Region: County:	SAN FRANCISCO, CA 94124 09 SAN FRANCISCO
Event Code:	Not reported

Database(s)

EDR ID Number EPA ID Number

TREASURE	ISLAND NAVAI	L STATION-HUNTERS POINT ANNEX (Continued)
Inst. Co	ontrol:	Covenant
Actual	Date:	09/30/2009
Comple	et. Date:	09/11/2009
	ole Unit:	04
	ninated Media :	Soil
Contain	indica media .	
EPA ID	):	CA1170090087
Site ID:		0902722
Name:		TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action	Name:	RECORD OF DECISION
Addres	s:	HUNTERS POINT NAVAL SHIPYARD
		SAN FRANCISCO, CA 94124
EPA Re	egion:	09
County	:	SAN FRANCISCO
Event 0	Code:	Not reported
Inst. Co	ontrol:	Land Use Restriction
Actual	Date:	09/30/2009
Comple	et. Date:	09/11/2009
Operab	ole Unit:	04
Contan	ninated Media :	Soil
	<b>.</b> .	044470000097
EPA ID		CA1170090087
Site ID:		
Name:	Nama	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action		
Addres	S:	HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124
EPA Re	eaion:	09
County	•	SAN FRANCISCO
Event 0		Not reported
Inst. Co		Covenant
Actual		08/30/2010
	et. Date:	09/20/2010
	ole Unit:	03
•	ninated Media :	Groundwater
Contain		Groundwater
EPA ID	):	CA1170090087
Site ID:	:	0902722
Name:		TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action	Name:	RECORD OF DECISION
Addres	S:	HUNTERS POINT NAVAL SHIPYARD
		SAN FRANCISCO, CA 94124
EPA Re	•	09
County		SAN FRANCISCO
Event C		Not reported
Inst. Co		Covenant
Actual		08/30/2010
	et. Date:	09/20/2010
	ole Unit:	03
Contan	ninated Media :	Soil
EPA ID	).	CA1170090087
Site ID:		0902722
Name:		TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action		RECORD OF DECISION
Addres		HUNTERS POINT NAVAL SHIPYARD
Aug 65		SAN FRANCISCO, CA 94124

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

TRE	ASURE ISLAND NAVA	L STATION-HUNTERS POINT ANNEX (Continued)
	EPA Region:	09
	County:	SAN FRANCISCO
	Event Code:	Not reported
		•
	Inst. Control:	Institutional Controls, (N.O.S.)
	Actual Date:	08/30/2010
	Complet. Date:	09/20/2010
	Operable Unit:	03
	Contaminated Media :	Soil
	EPA ID:	CA1170090087
	Site ID:	0902722
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
	Action Name:	RECORD OF DECISION
	Address:	HUNTERS POINT NAVAL SHIPYARD
		SAN FRANCISCO, CA 94124
	EPA Region:	09
	County:	SAN FRANCISCO
	Event Code:	Not reported
	Inst. Control:	Institutional Controls, (N.O.S.)
	Actual Date:	
		09/30/2009
	Complet. Date:	02/18/2009
	Operable Unit:	09
	Contaminated Media :	Buildings/Structures
	EPA ID:	CA1170090087
	Site ID:	0902722
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
	Action Name:	RECORD OF DECISION
	Address:	HUNTERS POINT NAVAL SHIPYARD
		SAN FRANCISCO, CA 94124
	EPA Region:	09
	County:	SAN FRANCISCO
	Event Code:	Not reported
	Inst. Control:	•
		Covenant
	Actual Date:	09/30/2009
	Complet. Date:	02/18/2009
	Operable Unit:	09
	Contaminated Media :	Groundwater
	EPA ID:	CA1170090087
	Site ID:	0902722
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
	Action Name:	RECORD OF DECISION
	Address:	HUNTERS POINT NAVAL SHIPYARD
		SAN FRANCISCO, CA 94124
	EPA Region:	09
	County:	SAN FRANCISCO
	Event Code:	Not reported
	Inst. Control:	Deed Restriction
	Actual Date:	09/30/2009
	Complet. Date:	02/18/2009
	Operable Unit:	09
	Contaminated Media :	Groundwater
	EPA ID:	CA1170090087
	Site ID:	0902722
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX

Database(s)

EDR ID Number EPA ID Number

TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)				
	Action Name: Address:	RECORD OF DECISION HUNTERS POINT NAVAL SHIPYARD		
		SAN FRANCISCO, CA 94124		
	EPA Region:	09		
	County:	SAN FRANCISCO		
	Event Code:	Not reported		
	Inst. Control: Actual Date:	Groundwater use/well drilling regulation 09/30/2009		
	Complet. Date:	02/18/2009		
	Operable Unit:	09		
	Contaminated Media :	Groundwater		
	EPA ID:	CA1170090087		
	Site ID:	0902722		
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX		
	Action Name:	RECORD OF DECISION		
	Address:	HUNTERS POINT NAVAL SHIPYARD		
		SAN FRANCISCO, CA 94124		
	EPA Region:	09		
	County:	SAN FRANCISCO		
	Event Code:	Not reported		
	Inst. Control:	Covenant		
	Actual Date:	09/30/2009		
	Complet. Date: Operable Unit:	02/18/2009 09		
	Contaminated Media :	Soil		
	EPA ID:	CA1170090087		
	Site ID:			
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX		
	Action Name:	RECORD OF DECISION		
	Address:	HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CA 94124		
	EPA Region:			
	County: Event Code:	SAN FRANCISCO		
	Inst. Control:	Not reported Deed Restriction		
	Actual Date:	09/30/2009		
	Complet. Date:	02/18/2009		
	Operable Unit:	09		
	Contaminated Media :	Soil		
	EPA ID:	CA1170090087		
	Site ID:	0902722		
	Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX		
	Action Name:	RECORD OF DECISION		
	Address:	HUNTERS POINT NAVAL SHIPYARD		
	EDA Pogion:	SAN FRANCISCO, CA 94124 09		
	EPA Region: County:	SAN FRANCISCO		
	Event Code:	Not reported		
	Inst. Control:	Covenant		
	Actual Date:	08/08/2010		
	Complet. Date:	12/17/2009		
	Operable Unit:	10		
	Contaminated Media :	Groundwater		

EDR ID Number Database(s) EPA ID Number

TREASURE ISLAND NA	VAL STATION-HUNTERS POINT ANNEX (Continued)
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name:	RECORD OF DECISION
Address:	HUNTERS POINT NAVAL SHIPYARD
Address.	
	SAN FRANCISCO, CA 94124
EPA Region:	09
County:	SAN FRANCISCO
Event Code:	Not reported
Inst. Control:	Institutional Controls, (N.O.S.)
Actual Date:	08/08/2010
Complet. Date:	12/17/2009
Operable Unit:	10
Contaminated Medi	a : Groundwater
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name:	RECORD OF DECISION
Address:	HUNTERS POINT NAVAL SHIPYARD
///////////////////////////////////////	SAN FRANCISCO, CA 94124
EPA Region:	09
County:	SAN FRANCISCO
Event Code:	Not reported
Inst. Control:	Covenant
Actual Date:	08/08/2010
Complet. Date:	12/17/2009
Operable Unit:	10
Contaminated Medi	
Contarninated Medi	
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name:	RECORD OF DECISION
Address:	HUNTERS POINT NAVAL SHIPYARD
	SAN FRANCISCO, CA 94124
EPA Region:	09
County:	SAN FRANCISCO
Event Code:	Not reported
Inst. Control:	Land Use Restriction
Actual Date:	08/08/2010
Complet. Date:	12/17/2009
Operable Unit:	10
Contaminated Medi	
EPA ID:	CA1170090087
Site ID:	0902722
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX
Action Name:	ROD Amendment
Address:	HUNTERS POINT NAVAL SHIPYARD
	SAN FRANCISCO, CA 94124
EPA Region:	09
County:	SAN FRANCISCO
Event Code:	Not reported
Inst. Control:	Covenant
Actual Date:	11/30/2008
Complet. Date:	01/28/2009

Database(s) E

EDR ID Number EPA ID Number

1000403627

TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX (Continued)		
Operable Unit: Contaminated Media :	02 Groundwater	
EPA ID:	CA1170090087	
Site ID:	0902722	
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX	
Action Name:	ROD Amendment	
Address:	HUNTERS POINT NAVAL SHIPYARD	
	SAN FRANCISCO, CA 94124	
EPA Region:	09	
County:	SAN FRANCISCO	
Event Code:	Not reported	
Inst. Control:	Groundwater use/well drilling regulation	
Actual Date:	11/30/2008	
Complet. Date:	01/28/2009	
Operable Unit:	02	
Contaminated Media :	Groundwater	
EPA ID:	CA1170090087	
Site ID:	0902722	
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX	
Action Name:	ROD Amendment	
Address:	HUNTERS POINT NAVAL SHIPYARD	
	SAN FRANCISCO, CA 94124	
EPA Region:	09	
County:	SAN FRANCISCO	
Event Code:	Not reported	
Inst. Control:	Covenant	
Actual Date:	11/30/2008	
Complet. Date:	01/28/2009	
Operable Unit:	02	
Contaminated Media :	Sediment	
EPA ID:	CA1170090087	
Site ID:	0902722	
Name:	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX	
Action Name:	ROD Amendment	
Address:	HUNTERS POINT NAVAL SHIPYARD	
	SAN FRANCISCO, CA 94124	
EPA Region:	09	
County:	SAN FRANCISCO	
Event Code:	Not reported	
Inst. Control:	Covenant	
Actual Date:	11/30/2008	
Complet. Date: Operable Unit:	01/28/2009	
Contaminated Media :	02 Soil	
	501	
ROD:		
	Full-text of USEPA Record of Decision(s) is available from EDR.	

PRP name:

U.S. NAVY

EDR ID Number Database(s) EPA ID Number

B4 South < 1/8 0.121 mi. 637 ft.	NICK S CLEANERS 714 INNES AV SAN FRANCISCO, CA Site 1 of 2 in cluster B		EDR US Hist Cleaners	1009131303 N/A
Relative:	EDR Historical Cleaners:			
Higher	Name:	NICHOLSON R W		
U	Year:	1949		
Actual: 44 ft.	Туре:	CLEANERS AND DYERS		
	Name:	NICK S CLEANERS		
	Year:	1953		
	Type:	CLEANERS AND DYERS		
	Name:	NICK S CLEANERS		
	Year:	1958		
	Туре:	CLOTHES PRESSERS AND CLEANERS		
	Name:	NICK S CLEANERS		
	Year:	1958		
	Type:	CLOTHES PRESSERS AND CLEANERS		

stephanie.cushing@sfdph.org

Not reported

C5 SSE 1/8-1/4 0.131 mi. 693 ft.	COMMERCIAL PROPERTY 690 HUDSON AVE SAN FRANCISCO, CA 94124 Site 1 of 2 in cluster C	
Relative:	LUST:	
Higher	Region: Global Id:	STATE T10000001201
Actual:	Latitude:	37.7368139
26 ft.	Longitude:	-122.3836901
	Case Type:	LUST Cleanup Site
	Status:	Completed - Case Closed
	Status Date:	01/22/2010
	Lead Agency:	SAN FRANCISCO COUNTY LOP
	Case Worker:	SC
	Local Agency:	SAN FRANCISCO COUNTY LOP
	RB Case Number:	Not reported
	LOC Case Number:	11870
	File Location:	Not reported
	Potential Media Affect:	Not reported
	Potential Contaminants of Concern:	
	Site History:	Not reported
	Click here to access the California G	eoTracker records for this facility:
	Contact:	
	Global Id:	T1000001201
	Contact Type:	Local Agency Caseworker
	Contact Name:	STEPHANIE CUSHING
	Organization Name:	SAN FRANCISCO COUNTY LOP
	Address:	1390 MARKET STREET #210
	City:	SAN FRANCISCO
	Emoil:	atanhania ayahing@afdah ara

Email:

Phone Number:

LUST S108209214 N/A

### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

## COMMERCIAL PROPERTY (Continued)

S108209214

Status History: Global Id: Status: Status Date:	T10000001201 Open - Case Begin Date 05/04/2009
Global Id:	T10000001201
Status:	Completed - Case Closed
Status Date:	01/22/2010
Global Id:	T10000001201
Status:	Open - Remediation
Status Date:	06/08/2009
Regulatory Activities: Global Id: Action Type: Date: Action:	T10000001201 Other 01/01/1950 Leak Stopped
Global Id:	T10000001201
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T10000001201
Action Type:	ENFORCEMENT
Date:	01/21/2010
Action:	Meeting
Global Id:	T10000001201
Action Type:	ENFORCEMENT
Date:	01/22/2010
Action:	Closure/No Further Action Letter
Global Id:	T10000001201
Action Type:	ENFORCEMENT
Date:	01/22/2010
Action:	Closure/No Further Action Letter
Global Id:	T10000001201
Action Type:	ENFORCEMENT
Date:	01/22/2010
Action:	File Review - Closure
Global Id:	T10000001201
Action Type:	ENFORCEMENT
Date:	01/22/2010
Action:	File review
Global Id:	T10000001201
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T10000001201
Action Type:	ENFORCEMENT

Database(s)

	COMMERCIAL PROPERTY (Cor	atinued)	S108209214
			0.00200211
	Date: Action:	06/08/2009 Meeting	
	Global Id:	T1000001201	
	Action Type:	ENFORCEMENT	
	Date:	06/08/2009	
	Action:	Clean Up Fund - Letter to RP - #11870	
C6	HUNTERS POINT REDEVELOPM	IENT PROJECT RCRA-LQG	1008402369
SSE	690 HUDSON AVE		CAR000164376
1/8-1/4	SAN FRANCISCO, CA 94124		
0.131 mi. 693 ft.	Site 2 of 2 in cluster C		
Relative:	RCRA-LQG:		
Higher	Date form received by agence	zy: 08/12/2005	
	Facility name:	HUNTERS POINT REDEVELOPMENT PROJECT	
Actual: 26 ft.	Facility address:	690 HUDSON AVE	
2011.	EPA ID:	SAN FRANCISCO, CA 94124 CAR000164376	
	Mailing address:	49 STEVENSON ST	
		STE 600	
		SAN FRANCISCO, CA 94105	
	Contact:	PHILIP A BURKE	
	Contact address:	49 STEVENSON ST STE 600	
	Contact country:	SAN FRANCISCO, CA 94105 US	
	Contact telephone:	916-947-7338	
	Contact email:	PBURKE@CH2M.COM	
	EPA Region:	09	
	Classification:	Large Quantity Generator	
	Description:	Handler: generates 1,000 kg or more of hazardous waste during any	
		calendar month; or generates more than 1 kg of acutely hazardous waste	
		during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the	
		cleanup of a spill, into or on any land or water, of acutely hazardous	
		waste during any calendar month; or generates 1 kg or less of acutely	
		hazardous waste during any calendar month, and accumulates more than	1
		kg of acutely hazardous waste at any time; or generates 100 kg or less	
		of any residue or contaminated soil, waste or other debris resulting	
		from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than	
		100 kg of that material at any time	
	Owner/Operator Summary:		
	Owner/operator name:	LENNAR HOMES OF CALIFORNIA	
	Owner/operator address:	Not reported	
		Not reported	
	Owner/operator country:	US National state	
	Owner/operator telephone:	Not reported	
	Legal status: Owner/Operator Type:	Private Operator	
	Owner/Op start date:	04/05/2005	
	Owner/Op end date:	Not reported	
	Owner/operator name:	LENNAR BVHP LLC	

Status Date:

Restricted Use:

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	HUNTERS POINT REDEVELOPMI	ENT PROJECT (Continued)	1	008402369
	Owner/operator address:	49 STEVENSON ST STE 600 SAN FRANCISCO, CA 94105		
	Owner/operator country:	US		
	Owner/operator telephone:	Not reported		
	Legal status:	Private		
	Owner/Operator Type: Owner/Op start date:	Owner 04/05/2005		
	Owner/Op end date:	Not reported		
		not reported		
	Handler Activities Summary:			
	U.S. importer of hazardous wa	aste: Yes		
	Mixed waste (haz. and radioa			
	Recycler of hazardous waste:	No		
	Transporter of hazardous was	te: No		
	Treater, storer or disposer of I			
	Underground injection activity			
	On-site burner exemption:	No		
	Furnace exemption: Used oil fuel burner:	No		
	Used oil processor:	No No		
	User oil refiner:	No		
	Used oil fuel marketer to burn			
	Used oil Specification markete			
	Used oil transfer facility:	No		
	Used oil transporter:	No		
	Hazardous Waste Summary:			
	Waste code:	D008		
	Waste name:	LEAD		
	Violation Status:	No violations found		
B7	SAN FRANCISCO ENERGY COGE	ENERATION PLANT	VCP S	106568308
South	INNES AVE. BETWEEN FITCH & I	EARL STS.	ENVIROSTOR	N/A
1/8-1/4 0.133 mi.	SAN FRANCISCO, CA 94901			
0.133 mi. 700 ft.	Site 2 of 2 in cluster B			
	VCP:			
Relative:	Facility ID:	38490010		
Higher	Site Type:	Voluntary Cleanup		
Actual:	Site Type Detail:	Voluntary Cleanup		
61 ft.	Site Mgmt. Req.:	NONE SPECIFIED		
	Acres:	Not reported		
	National Priorities List:	NO		
	Cleanup Oversight Agencies:			
	Lead Agency:	NONE SPECIFIED		
	Lead Agency Description: Project Manager:	Not reported Janet Naito		
	Supervisor:	Barbara Cook		
	Division Branch:	Cleanup Berkeley		
	Site Code:	200652		
	Assembly:	06		
	Senate:	02		
	Special Programs Code:	Voluntary Cleanup Program		

12/31/2001

NO

Database(s)

AN FRANCISCO ENERGY	COG	ENERATION PLANT (Continued)	S106568308
Funding:		Responsible Party	
Lat/Long:		0/0	
APN:		NONE SPECIFIED	
Past Use:		NONE SPECIFIED	
Potential COC:		10097, 10199	
Confirmed COC:		NONE SPECIFIED	
Potential Description:		NONE SPECIFIED	
Alias Name:		110033605757	
Alias Type:		EPA (FRS #)	
Alias Name:		200652	
Alias Type:		Project Code (Site Code)	
Alias Name:		38490010	
Alias Type:		Envirostor ID Number	
Completed Info:			
Completed Area Name:		PROJECT WIDE	
Completed Sub Area Na		Not reported	
Completed Document T	ype:	Site Screening	
Completed Date:		03/24/1995	
Comments:		Recommendation: REFOA. The City has been working with property owner	
		to minimize potential risks posed by the Site.	
Completed Area Name:		PROJECT WIDE	
Completed Sub Area Na		Not reported	
Completed Document T	ype:	Voluntary Cleanup Agreement	
Completed Date:		06/04/2001	
Comments:		Signed VCA.	
Future Area Name:		Not reported	
Future Sub Area Name:		Not reported	
Future Document Type:		Not reported	
Future Due Date:		Not reported	
Schedule Area Name:		Not reported	
Schedule Sub Area Nan		Not reported	
Schedule Document Typ	pe:	Not reported	
Schedule Due Date:		Not reported	
Schedule Revised Date:		Not reported	
ENVIROSTOR:			
Facility ID:	384	90010	
Status:	Ref	er: Other Agency	
Status Date:	12/3	31/2001	
Site Code:		652	
Site Type:		untary Cleanup	
Site Type Detailed:		untary Cleanup	
Acres:		reported	
NPL:	NO		
Regulatory Agencies:		BRP, RWQCB 2 - San Francisco Bay	
Lead Agency:		NE SPECIFIED	
Program Manager:		et Naito	
Supervisor:		bara Cook	
Division Branch:		anup Berkeley	
Assembly:	06		
Senate:	02		
Special Program:		untary Cleanup Program	
Restricted Use:	NO		
Site Mgmt Req:	UNI	NE SPECIFIED	
Database(s)

EDR ID Number EPA ID Number

SAN FRANCISCO ENERGY COGENERATION PLANT (Continued)		
Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name: Alias Type: Alias Name: Alias Name: Alias Type:	Responsible Party 0 0 NONE SPECIFIED NONE SPECIFIED * CONTAMINATED SOIL * WASTE OIL & MIXED OIL NONE SPECIFIED NONE SPECIFIED 110033605757 EPA (FRS #) 200652 Project Code (Site Code) 38490010 Envirostor ID Number	
Completed Info: Completed Area Name: Completed Sub Area Na Completed Document Ty Completed Date: Comments:	•	ty owner
Completed Area Name: Completed Sub Area Na Completed Document Ty Completed Date: Comments:	•	
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Nam Schedule Document Typ Schedule Due Date: Schedule Revised Date:		

D8 West 1/8-1/4 0.210 mi. 1107 ft.	MEE CORPORATION 895 INNES AV SAN FRANCISCO, CA Site 1 of 3 in cluster D	
Relative: Higher Actual: 30 ft.	SAN FRANCISCO CO. UST: Facility ID: Facility Status: Number Of Tanks: Owner/Operator Name: Owner/Operator Title: Owner Name: Care Of Addr: 2nd Care Of Add: Mailing Address: Mailing City,St,Zip: Permit Number: Permit Approved By:	24670 Not reported 1 Not reported Not reported Not reported Not reported 255 Shipley Street Not reported Not reported Not reported Not reported

UST U004003792 N/A

Database(s)

EDR ID Number EPA ID Number

#### **MEE CORPORATION (Continued)**

- (	,	
Permit Expiration Date:	Not reported	
Applications:	Golden Gate Tank	
Application Date:	7/19/1995	
Application Name:	Jim Tracy	
Action Type:	Not reported	
Yr Spill/Overfill Installed1:	Not reported	
Yr Spill/Overfill Installed2:	Not reported	
Yr Spill/Overfill Installed3:	Not reported	
Tank ID:	Not reported	
Tank Test:	Not reported	
Local Tank Id:	Not reported	
Tank Manufacturer:	Not reported	
Compartmentalized Tank:	Not reported	
# Of Tank Compartments:	Not reported	
Date Tank Installed:	Not reported	
Tank Capacity:	Not reported	
Additional Desc:	Not reported	
Tank Use:	Not reported	
Petroleum Type:	Not reported	
Common Name:	Not reported	
Case Number:	Not reported	
Type Of Tank:	Not reported	
Primary Tank Material:	Not reported	
Secondary Tank Material:	Not reported	
Tank Interior Lining:	Not reported	
Date Interior Lining Install:	Not reported	
Date Closed:	8/10/1995	
UST Close ID:	2122	
Type Of Spill Protection:	Not reported	
Date Alarm Overfill Protect	•	Not reported
Date Ball Float Overfill Pro	tection Installed:	Not reported
Date Fill Tube Shut Overfil	Protection Installed:	Not reported
Overfill Protection Exempt:		Not reported
Othr Tnk Corrosive Prtctn:		Not reported
Date Corrosive Prtctn Insta	all:	Not reported
Tank Leak Detection (singl	e walled):	Not reported
Tank Leak Detection (doub		Not reported
Estimated Date Last Used:	,	Not reported
Estimated Qty Of Substand	ce Remaining:	Not reported
Tank Filled With Inert Mate	•	Not reported
Piping System Type ( Unde	erground):	Not reported
Piping System Type ( Abov		Not reported
Piping Construction (Under	rground):	Not reported
Piping Manufacturer (Unde		Not reported
Piping Construction (Above		Not reported
Piping Manufacturer (Abov	eground):	Not reported
	Protection (Underground):	Not reported
	n Protection (Aboveground):	Not reported
Piping Leak Detection (Und		Not reported
Piping Leak Detection (2nd		Not reported
Piping Leak Detection (Em		Not reported
Pipe Integrity Test, Underg		Not reported
Piping Leak Detection (Abo		Not reported
	derground - 2nd Contained):	Not reported
	erground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveg		Not reported

#### U004003792

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	MEE CORPORATION (Continued)			U004003792
	Date Dispenser Containment Install	ed: Not reported		
	Dispenser Containment Type:	Not reported		
	Date Certified (Tank Unit): Certified Date:	Not reported		
	Last Annual Monitoring Cert:	11/10/1995 Not reported		
	2nd Containment Test:	Not reported		
	Spill Containment Present: Drop Tube Present:	Not reported		
	Striker Plate Present:	Not reported Not reported		
	Alarm Present:	Not reported		
	Ball Float Present: Fill Tube Present:	Not reported Not reported		
	Other Tank Leak Detection Present	•		
D9 West 1/8-1/4	MEE CORP. 895 INNES AVE SAN FRANCISCO, CA 94124		HIST CORTESE LUST	S104165333 N/A
0.210 mi. 1107 ft.	Site 2 of 3 in cluster D			
Relative:	HIST CORTESE:			
Higher	Region: COR Facility County Code: 38	TESE		
Actual: 30 ft.	Reg By: LTNI			
0011	Reg ld: 38-0	705		
	LUST:			
	Region: Global Id:	STATE		
	Latitude:	T0607500614 37.731685		
	Longitude:	-122.375744		
	Case Type: Status:	LUST Cleanup Site Completed - Case Closed		
	Status Date:	01/12/1996		
	Lead Agency:	SAN FRANCISCO COUNTY LOP		
	Case Worker: Local Agency:	SC SAN FRANCISCO COUNTY LOP		
	RB Case Number:	38-0705		
	LOC Case Number:	10569		
	File Location: Potential Media Affect:	Not reported Other Groundwater (uses other than drinking w	(ater)	
	Potential Contaminants of Concern:			
	Site History:	Not reported		
	Click here to access the California C	GeoTracker records for this facility:		
	Contact:	T0607500614		
	Global Id: Contact Type:	T0607500614 Regional Board Caseworker		
	Contact Name:	VIC PAL		
	Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		
	Address: City:	1515 CLAY STREET, SUITE 1400 OAKLAND		
	Email:	vpal@waterboards.ca.gov		
	Phone Number:	Not reported		

Global Id: T0607500614 Contact Type: Local Agency Caseworker

#### Map ID Direction Distance Elevation

Site

#### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

#### S104165333

#### **MEE CORP.** (Continued) STEPHANIE CUSHING Contact Name: SAN FRANCISCO COUNTY LOP Organization Name: Address: 1390 MARKET STREET #210 City: SAN FRANCISCO Email: stephanie.cushing@sfdph.org Phone Number: Not reported Status History: Global Id: T0607500614 Status: Open - Case Begin Date 08/18/1995 Status Date: Global Id: T0607500614 Status: Completed - Case Closed Status Date: 01/12/1996 Regulatory Activities: Global Id: T0607500614 Action Type: Other Date: 01/01/1950 Action: Leak Discovery T0607500614 Global Id: Action Type: Other Date: 01/01/1950 Action: Leak Reported LUST REG 2: Region: 2 Facility Id: 38-0705 Facility Status: Case Closed Case Number: 10569 How Discovered: Not reported Leak Cause: Not reported Leak Source: Not reported Date Leak Confirmed: Not reported Oversight Program: LUST Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: Not reported SAN FRANCISCO CO. LUST: SAN FRANCISCO Region: Facility ID: 38-0705 Facility Status: Case Closed Case Number: 10569 Case Type: Other ground water affected Release Date: 8/10/1995 Discovered Date: 8/18/1995 Substance: Gasoline Substance Qty: Not reported

Database(s)

EDR ID Number EPA ID Number

#### **MEE CORP.** (Continued)

How Discovered: Tank Closure **Remove Contents** How Stopped: 8/10/1995 Report Date: Case Closed: 1/12/1996 Closed Date: 1/12/1996 Leak Source: Tank Leak Cause: Overfill Leak Confirmed: 12/21/1995 Entered Date: 12/5/1995 Number of Wells: Not reported Regional Board: San Francisco Bay Region 38000 Local Agency: Local Agency Lead Agency: Program: LOP Responsible Party: Not reported RP Address: Not reported Not reported Operator: Staff Initial: VP Facility Staff: SC EVANS ST Cross Street: NOR Date: 12/5/1995 MTBE Current: Not reported MTBE Current Date: Not reported MTBE: NT Maximum MTBE Soil: Not reported Maximum MTBE GW: Not reported MTBE DATE: Not reported **Review Date:** Not reported Workplan Submitted: Not reported Not reported Assessment Underway: Pollution Characterization: Not reported Corrective Action Plan: Not reported Remediation Underway: Not reported Monitoring Begun: Not reported Funding: Not reported Interim Remediation: Not reported Priority: Not reported Abatement: Not reported Enforcement Type: NOR Enforcement Due Date: Not reported Basin: Islais Basin Beneficial Use: No Lat/Long: Not reported CUFID: Not reported Suspended: No Stopped Date: Not reported Free Product: No Depth to Grnd Wtr: Not reported Gradient: Not reported Benzene: Not reported Primary Substance: Gasoline Enforcement Type: Not reported Amount of Free Produce: Not reported Benzene Test: Not reported Maximum Soil GW: Not reported Max Soil Concentration: Not reported TPH Tested: Not reported

#### Map ID Direction Distance Elevation Site

#### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

#### S104165333

MEE CORP. (Continued)

Max TPH GW:	Not reported
Max TPH Soil:	Not reported
TPH Date:	Not reported
Block:	Not reported
Lot:	Not reported
Notify:	False
TPH Current:	Not reported
TPH Current Date:	Not reported
Grnd Wtr Qualifier:	Not reported
Soil Qualifier:	Not reported
Comments:	Not reported
Summary:	Not reported

Database(s)

EDR ID Number EPA ID Number

1016603612

#### 900 INNES AVENUE (Continued)

Institutional controls required: IC Category proprietary controls: IC cat. info. devices: IC cat. gov. controls: IC cat. enforcement permit tools: IC in place date: IC in place: State/tribal program date: State/tribal program ID: State/tribal NFA date: Air contaminated: Air cleaned: Asbestos found: Asbestos cleaned: Controled substance found: Controled substance cleaned: Drinking water affected: Drinking water cleaned: Groundwater affected: Groundwater cleaned: Lead contaminant found: Lead cleaned up: No media affected: Unknown media affected: Other cleaned up: Other metals found: Other metals cleaned: Other contaminants found: Other contams found description: PAHs found: PAHs cleaned up: PCBs found: PCBs cleaned up: Petro products found: Petro products cleaned: Sediments found: Sediments cleaned: Soil affected: Soil cleaned up: Surface water cleaned: Unknown found: VOCs found: VOCs cleaned: Cleanup other description: Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Past use residential acreage: Past use commercial acreage: Past use industrial acreage: Future use greenspace acreage: Future use residential acreage: Future use commercial acreage: Future use industrial acreage: Greenspace acreage and type: Superfund Fed. landowner flag: Arsenic cleaned up: Cadmium cleaned up:

#### U Not reported Not reported Not reported Not reported Not reported No Not reported Υ Not reported Υ Not reported γ Not reported Not reported v Not reported Y Not reported 2.4 2.4 Not reported Not reported Not reported Not reported Not reported Not reported Not reported

Map ID Direction Distance Elevation Site

#### MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

1016603612

#### 900 INNES AVENUE (Continued)

Chromium cleaned up: Not reported Not reported Copper cleaned up: Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

#### 11 **RFJ MEISWINKEL CO.** West 930 INNES AVE 1/8-1/4 SAN FRANCISCO, CA 94124 0.238 mi.

Region:

Global Id:

Latitude:

Status:

Longitude:

Case Type:

Status Date:

Lead Agency: Case Worker:

Local Agency:

File Location:

Site History:

LUST:

1258 ft.

#### **Relative:** Higher

Actual: 30 ft.

STATE T0607536728 37.732528 -122.376159 LUST Cleanup Site Completed - Case Closed 11/17/2006 SAN FRANCISCO COUNTY LOP MA SAN FRANCISCO COUNTY LOP **RB** Case Number: 38-2435 LOC Case Number: 11774 Local Library Potential Media Affect: Soil Potential Contaminants of Concern: Gasoline Not reported

Click here to access the California GeoTracker records for this facility:

#### Contact:

Global Id:

T0607536728

LUST U003897750 UST N/A

Database(s)

EDR ID Number EPA ID Number

#### **RFJ MEISWINKEL CO. (Continued)**

Regional Board Caseworker UUU
SAN FRANCISCO BAY RWQCB (REGION 2) 1515 CLAY ST SUITE 1400 OAKLAND Not reported Not reported
T0607536728 Local Agency Caseworker MAMDOUH AWWAD SAN FRANCISCO COUNTY LOP 1390 MARKET STREET, #210 SAN FRANCISCO mamdouh.awwad@sfdph.org Not reported
T0607536728 Open - Site Assessment 08/10/2006
T0607536728 Open - Case Begin Date 08/10/2006
T0607536728 Completed - Case Closed 11/17/2006
T0607536728 Other 01/01/1950 Leak Discovery T0607536728 REMEDIATION 01/01/1950 Excavation T0607536728 ENFORCEMENT 10/02/2006 Notice of Responsibility T0607536728 Other 01/01/1950 Leak Reported
7016 37.7338975 122.3749372

#### U003897750

Database(s)

EDR ID Number EPA ID Number

#### **RFJ MEISWINKEL CO. (Continued)**

Permitting Agency:

SAN FRANCISCO COUNTY

SAN FRANCISCO CO. UST: Facility ID: 7016 Facility Status: Not reported Not reported Number Of Tanks: Not reported Owner/Operator Name: Owner/Operator Title: Not reported Owner Name: RFJ, Inc. Care Of Addr: Kurt Meiswinkel 2nd Care Of Add: Not reported Mailing Address: 930 Innes Street Mailing City, St, Zip: San Francisco, CA 94124 Permit Number: Not reported Permit Approved By: Not reported Not reported Permit Expiration Date: Applications: Not reported Application Date: Not reported Application Name: Not reported Action Type: 3 Yr Spill/Overfill Installed1: Not reported Yr Spill/Overfill Installed2: Not reported Yr Spill/Overfill Installed3: Not reported Tank ID: 1001 Tank Test: Not reported Local Tank Id: 7016001001 Tank Manufacturer: **Owens-Corning** Compartmentalized Tank: No # Of Tank Compartments: Not reported Date Tank Installed: 1/1/1987 Tank Capacity: 4000 Additional Desc: Not reported Tank Use: Regular Unleaded Petroleum Type: Common Name: Not reported Not reported Case Number: Type Of Tank: Single wall Fiberglass/plastic Primary Tank Material: Secondary Tank Material: Not reported Tank Interior Lining: Unlined Date Interior Lining Install: Not reported Date Closed: Not reported Not reported UST Close ID: Type Of Spill Protection: spill containment Date Alarm Overfill Protection Installed: Date Ball Float Overfill Protection Installed: Date Fill Tube Shut Overfill Protection Installed: **Overfill Protection Exempt:** Othr Tnk Corrosive Prtctn: Date Corrosive Prtctn Install: Tank Leak Detection (single walled):

Tank Leak Detection (double wall):

Estimated Qty Of Substance Remaining:

Piping System Type ( Underground ):

Estimated Date Last Used:

Tank Filled With Inert Material:

Not reported Not reported No Fiberglass Reinforced Plastic (FRP) Not reported Automatic Tank Gauging Not reported Not reported 0 0 Suction

Database(s)

EDR ID Number EPA ID Number

U003897750

#### **RFJ MEISWINKEL CO. (Continued)**

Piping Material & Corrosion Piping Leak Detection (Uno Piping Leak Detection (2nd Piping Leak Detection (Em Pipe Integrity Test, Underg Piping Leak Detection (Abo Piping Leak Detection (Uno	ground): rground): eground): eground): Protection (Underground): Protection (Aboveground): rgrnd - Single Wall): Contained): rgncy Gnrtrs): round: weground - Single Wall): derground - Single Wall): derground (Emrgncy Gnrtrs): round: nt Installed: pe: t:	Not reported Double Wall Not reported Not reported Plastic Compatible with Contents, Galvanized Steel Not reported Not reported Suction,Gravity ,Sump Sensor,Alarms Not reported Not reported Not reported Not reported Not reported Not reported 8/2/2004 Continuous Dispenser Pan Sensor & Audible & Visual Alarms Not reported Not reported Not reported S/24/2004 12/9/2002 Yes No No No
Tank ID: Tank Test: Local Tank Id: Tank Manufacturer: Compartmentalized Tank: # Of Tank Compartments: Date Tank Installed: Tank Capacity: Additional Desc: Tank Use:	Not reported Not reported	

	Not reported	
Date Tank Installed:	Not reported	
Tank Capacity:	Not reported	
Additional Desc:	Not reported	
Tank Use:	Not reported	
Petroleum Type:	Not reported	
Common Name:	Not reported	
Case Number:	Not reported	
Type Of Tank:	Not reported	
Primary Tank Material:	Not reported	
Secondary Tank Material:	Not reported	
Tank Interior Lining:	Not reported	
Date Interior Lining Install:	Not reported	
Date Closed:	8/10/2006	
UST Close ID:	4855	
Type Of Spill Protection:	Not reported	
Date Alarm Overfill Protect	ion Installed:	Not reported
Date Ball Float Overfill Prot	tection Installed:	Not reported
Date Fill Tube Shut Overfill	Protection Installed:	Not reported
Overfill Protection Exempt:		Not reported
Othr Tnk Corrosive Prtctn:		Not reported
Date Corrosive Prtctn Insta	ll:	Not reported

EDR ID Number EPA ID Number

#### **RFJ MEISWINKEL CO. (Continued)**

Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type ( Underground ):	Not reported
Piping System Type ( Aboveground ):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	Not reported
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

Tank ID:	Not reported
Tank Test:	Not reported
Local Tank Id:	Not reported
Tank Manufacturer:	Not reported
Compartmentalized Tank:	Not reported
# Of Tank Compartments:	Not reported
Date Tank Installed:	Not reported
Tank Capacity:	Not reported
Additional Desc:	Not reported
Tank Use:	Not reported
Petroleum Type:	Not reported
Common Name:	Not reported
Case Number:	Not reported
Type Of Tank:	Not reported
Primary Tank Material:	Not reported
Secondary Tank Material:	Not reported
Tank Interior Lining:	Not reported
Date Interior Lining Install:	Not reported
Date Closed:	Not reported
UST Close ID:	Not reported
Type Of Spill Protection:	Not reported

#### U003897750

Database(s)

EDR ID Number EPA ID Number

#### **RFJ MEISWINKEL CO. (Continued)**

Date Alarm Overfill Protection Installed:	Not reported
Date Ball Float Overfill Protection Installed:	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	Not reported
Othr Tnk Corrosive Prtctn:	Not reported
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type ( Underground ):	Not reported
Piping System Type ( Aboveground ):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	Not reported
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

# 12GEORGE PAIZI TRUSTEEWNW966 INNES1/4-1/2SAN FRANCISCO, CA 941160.268 mi....1413 ft....Relative:HIST CORTESE:HigherRegion:

Higher	Region: Facility County Code:	CORTESE 38
Actual:	Reg By:	LTNKA
33 ft.	Reg Id:	38-0264

HIST CORTESE S102430722 N/A

#### U003897750

Database(s)

EDR ID Number EPA ID Number

• <b>1 of 2 in cluster E</b>			
UDS:			
FUDS #: INST ID: Facility Name: City: State: EPA Region: County: Congressional District: US Army District: Fiscal Year: Telephone: NPL Status: RAB: CTC: Current Owner: Current Prog:	CA9799F5929 J09CA1033 57898 HUNTERS POINT SHIPYARD ANNEX SAN FRANCISCO CA 09 SAN FRANCISCO 08 Sacramento District (SPK) 2012 916-557-7461 Not Listed Not reported 1216.8 Local Government; Other Federal Government; Private Sector; State Government Not reported		
Future Prog: Acreage: Description:	Bay area, California. The site totaled 966.75 acres. Of the 966.75 acres, 30.38 acres have been occupied by different agencies since Department of Defense (DoD) use. One building on site is currently occupied by File Safe, a microfiche document storage company. Other structures located on site are currently occupied by the University of California San Francisco (UCSF) and are used for animal research and kennels. The remainder of the acreage is under the jurisdiction of the San Francisco Housing Authority and consists of vacant land, public housing projects, and the Hunters Point Boys Club. The Navy currently		
History: Latitude:	The U.S. acquired fee title to 964.91 acres by declaration of taking, transfer, and purchase between 1940 and 1966. The U.S. also acquired approximately 1.84 easement acres between 1959 and 1988. An additional 17.07 acres were acquired and disposed of for an off-base site known as Islais Creek. The Navy operated Hunters Point as a ship repair facility from 1940 until 1975 and in May 1976, leased approximately 773 acres to Triple A Machine Shop for 11 years. Between 1976 and 1990, 30.38 acres were transferred from the Navy to the General Services Administration (GSA). The 936.37 acres is currently part of the inactive Hunters Point Annex. A fuel storage tank site is proposed as a containerized/hazardous, toxic, radioactive waste (CON/HTRW) project at this site under the FUDS program. 37.727778		
	INST ID: Facility Name: City: State: EPA Region: County: Congressional District: US Army District: Fiscal Year: Telephone: NPL Status: RAB: CTC: Current Owner: Current Prog: Acreage: Description: History:	FUDS #:J09CA1033INST ID:57898Facility Name:HUNTERS POINT SHIPYARD ANNEXCity:SAN FRANCISCOState:CAEPA Region:09County:SAN FRANCISCOCongressional District:08US Army District:Sacramento District (SPK)Fiscal Year:2012Telephone:916-557-7461NPL Status:Not ListedRAB:Not reportedCTC:1216.8Current Owner:Local Government, Other Federal Government; Private Sector; State GovernmentCurrent Prog:Not reportedFuture Prog:Not reportedAcreage:Not reportedPartment of Defense (DoD) use. One building on site is currently occupied by filement agencies since Department of Defense (DoD) use. One building on site is currently occupied by File Safe, a microfiche document storage company. Other structures located on site are currently occupied by the University of California San Francisco (UCSF) and are used for animal research and kennels. The remainder of the acreage is under the jurisdiction of the San Francisco Housing Authority and consists of vacant land, public housing projects, and the Hunters Point Annex.History:The U.S. acquired fee title to 964.91 acres by declaration of taking, transfer, and purchase between 1940 and 1966. The U.S. also acquired approximately 1.84 easement acres between 1951 and 1988. An additional 17.07 acres were acquired and disposed of for an off-base site known as Islais Creek. The Navy operated Hunters Point as a ship repair facility from 1940 until 1975 and in May 1976, leased approximately 173 acres to Triple A Machine Shop	FUDS #:J09CA1003INST ID:57898Facility Name:HUNTERS POINT SHIPYARD ANNEXCity:SAN FRANCISCOState:CAEPA Region:09County:SAN FRANCISCOCongressional District:Sacramento District (SPK)Fiscal Year:2012Telephone:916-557-7461NPL Status:Not IsitedRAB:Not reportedCurrent Owner:Local Government; Other Federal Government; Private Sector; State GovernmentCurrent Prog:Not reportedCurrent Prog:Not reportedCurrent Prog:Not reportedCurrent Prog:Not reportedAcreage:Not reportedDescription:Hunters Point Annex is located on Treasure Island in the San Francisco Bay area, California. The site totaled 966.75 acres. Of the 966.75 acres, 30.38 acres have been occupied by different agencies since Department of Defense (DoD) use. One building on site is currently occupied by File Safe, a microfiche document storage company. Other structures located on site are currently occupied by the University of California San Francisco (UCSF) and are used for animal research and kennels. The remainder of the acreage is under the jurisdiction of the San Francisco Housing Authority and consists of vacant land, public housing projects, and the Hunters Point Annex.History:The U.S. acquired fee title to 964.91 acres by declaration of taking, transfer, and purchase between 1940 and 1966. The U.S. also acquired approximately 1.84 easement acres between 1959 and 1988. An additional 17.07 acres were acquired adisposed of for an off-base site known as Islais Creek. The Navy ope

Database(s)

EDR ID Number EPA ID Number

E14 South	HUNTERS POINT ANNEX		ENVIROSTOR	S107736487 N/A
1/4-1/2 0.280 mi.	SAN FRANCISCO, CA 94124			
1477 ft.	Site 2 of 2 in cluster E			
Relative: Higher Actual: 142 ft.	ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name: Alias Type: Alias Name: Alias Type:	80000784 No Further Action 04/02/2014 Not reported Military Evaluation FUDS 967 NO SMBRP SMBRP Carrie Tatoian-Cain Dan Ward Cleanup Sacramento 17 11 Not reported NO NONE SPECIFIED DERA 37.72777 -122.3725 NONE SPECIFIED DERA 37.72777 -122.3725 NONE SPECIFIED NONE SPECIFIED		
	Completed Info: Completed Area Name: Completed Sub Area Nai Completed Document Ty Completed Date: Comments: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name:		, 820, 830, and 831 ion of the former note that this C?s possession at this D) activities on the sites any appropriate should additional	

Map ID		MAP FINDINGS		
Direction Distance	L			EDR ID Number
Elevation	Site		Database(s)	EPA ID Number
	HUNTERS POINT ANNEX (Continued)			S107736487
		eported		
		eported eported		
		eported		
15 WNW	G. PAIZIS TRUSTEE 996 INNES AVE		LUST CA FID UST	S101592205 N/A
1/4-1/2 0.322 mi. 1700 ft.	SAN FRANCISCO, CA 94124			
	LUST:			
Relative: Higher	Region:	STATE		
Actual:	Global Id:	T0607500229		
43 ft.	Latitude: Longitude:	37.73275 -122.37585		
	Case Type:	LUST Cleanup Site		
	Status:	Completed - Case Closed		
	Status Date: Lead Agency:	01/26/1996 SAN FRANCISCO COUNTY LOP		
	Case Worker:	SC		
	Local Agency:	SAN FRANCISCO COUNTY LOP		
	RB Case Number: LOC Case Number:	38-0264 10588		
	File Location:	Not reported		
	Potential Media Affect:	Soil		
	Potential Contaminants of Concern:			
	Site History:	Not reported		
	Click here to access the California G	GeoTracker records for this facility:		
	Contact:	70007500000		
	Global Id: Contact Type:	T0607500229 Regional Board Caseworker		
	Contact Name:	VIC PAL		
	Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		
	Address: City:	1515 CLAY STREET, SUITE 1400 OAKLAND		
	Email:	vpal@waterboards.ca.gov		
	Phone Number:	Not reported		
	Global Id:	T0607500229		
	Contact Type:	Local Agency Caseworker		
	Contact Name:	STEPHANIE CUSHING		
	Organization Name: Address:	SAN FRANCISCO COUNTY LOP 1390 MARKET STREET #210		
	City:	SAN FRANCISCO		
	Email:	stephanie.cushing@sfdph.org		
	Phone Number:	Not reported		
	Status History:			
	Global Id:	T0607500229		
	Status: Status Date:	Open - Case Begin Date 11/17/1989		
	Olalus Dale.			
	Global Id:	T0607500229		
	Status: Status Date:	Completed - Case Closed 01/26/1996		
		01120/1330		

Leak Reported

Database(s)

EDR ID Number EPA ID Number

#### G. PAIZIS TRUSTEE (Continued)

Regulatory Activities: Global Id: Action Type: Date: Action:	T0607500229 Other 01/01/1950 Leak Discovery
Global Id:	T0607500229
Action Type:	Other
Date:	01/01/1950

#### LUST REG 2:

Action:

-	OT ILE O E.		
	Region:	2	
	Facility Id:	38-0264	
	Facility Status:	Case Closed	
	Case Number:	10588	
	How Discovered:	Not reported	
	Leak Cause:	Not reported	
	Leak Source:	Not reported	
	Date Leak Confirmed:	Not reported	
	Oversight Program:	LUST	
	Prelim. Site Assesment	Wokplan Submitted:	Not reported
	Preliminary Site Assesm	ient Began:	Not reported
	Pollution Characterization	on Began:	Not reported
	Pollution Remediation P	lan Submitted:	Not reported
	Date Remediation Action	n Underway:	Not reported
	Date Post Remedial Act	ion Monitoring Began:	Not reported

#### SAN FRANCISCO CO. LUST:

AN FRANCISCO CO. LUST	
Region:	SAN FRANCISCO
Facility ID:	38-0264
Facility Status:	Case Closed
Case Number:	10588
Case Type:	Soil only
Release Date:	11/17/1989
Discovered Date:	11/17/1989
Substance:	Gasoline
Substance Qty:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Report Date:	11/17/1989
Case Closed:	1/26/1996
Closed Date:	1/26/1996
Leak Source:	Tank
Leak Cause:	Structure Failure
Leak Confirmed:	Not reported
Entered Date:	1/19/1996
Number of Wells:	Not reported
Regional Board:	San Francisco Bay Region
Local Agency:	38000
Lead Agency:	Local Agency
Program:	LOP
Responsible Party:	Not reported
RP Address:	Not reported
Operator:	Not reported

Database(s)

EDR ID Number EPA ID Number

#### G. PAIZIS TRUSTEE (Continued)

Staff Initial: VP SC Facility Staff: Cross Street: HUNTERS PT BLVD NOR Date: 1/19/1996 MTBE Current: Not reported MTBE Current Date: Not reported MTBE: NT Maximum MTBE Soil: Not reported Maximum MTBE GW: Not reported MTBE DATE: Not reported **Review Date:** Not reported Workplan Submitted: Not reported Assessment Underway: Not reported Pollution Characterization: Not reported Corrective Action Plan: Not reported Remediation Underway: Not reported Not reported Monitoring Begun: Funding: Federal Interim Remediation: No Not reported Priority: No Action Taken - no action has as yet been taken at the site Abatement: Enforcement Type: NOR Enforcement Due Date: Not reported Basin: Islais Basin Beneficial Use: No Lat/Long: Not reported CUFID: Not reported Suspended: No Stopped Date: 11/14/1989 Free Product: No Depth to Grnd Wtr: Not reported Gradient: Not reported Benzene: Not reported Primary Substance: Gasoline Not reported Enforcement Type: Amount of Free Produce: Not reported Benzene Test: Not reported Maximum Soil GW: Not reported Max Soil Concentration: Not reported TPH Tested: Not reported Max TPH GW: Not reported Max TPH Soil: Not reported TPH Date: Not reported Block: Not reported Not reported Lot: Notify: False **TPH Current:** Not reported TPH Current Date: Not reported Grnd Wtr Qualifier: Not reported Soil Qualifier: Not reported Comments: Not reported Summary: Not reported CA FID UST: 38001492 Facility ID: Regulated By: UTNKA Regulated ID: Not reported

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

	G. PAIZIS TRUSTEE (Conti	nued)	S101592205
	SIC Code:NoFacility Phone:41Mail To:NoMailing Address:99Mailing Address 2:NoMailing City,St,Zip:SAContact:NoContact Phone:NoDUNs Number:NoNPDES Number:NoEPA ID:NoComments:No	at reported bt reported 5000000 bt reported 6 INNES AVE bt reported NN FRANCISCO 94124 bt reported bt	
16 NW 1/4-1/2 0.401 mi. 2119 ft.	PG & E HUNTERS POINT 1000 EVANS AVE HUNTERS SAN FRANCISCO, CA 9412		
Relative: Lower	VCP: Facility ID:	38490002	
Actual	Site Type:	Voluntary Cleanup	
Actual: 15 ft.	Site Type Detail:	Voluntary Cleanup NONE SPECIFIED	
1011.	Site Mgmt. Req.: Acres:	30.3	
	National Priorities List:	NO	
	Cleanup Oversight Age		
	Lead Agency:	SMBRP	
	Lead Agency Descriptio		
	Project Manager:	Janet Naito	
	Supervisor:	Barbara Cook	
	Division Branch:	Cleanup Berkeley	
	Site Code:	201869	
	Assembly:	17	
	Senate:	11 Designation of Single Agency	
	Special Programs Code Status:	: Designation of Single Agency Active	
	Status Date:	03/27/2007	
	Restricted Use:	YES	
	Funding:	Not reported	
	Lat/Long:	37.73771 / -122.3782	
	APN:	4570-024, 4570024, 4571-001, 4571001, 4580-002, 4580002, 4603A-00 4603A005, 4623A-002, 4623A002, 4647A-010, 4647A010	)5,
	Past Use:	ELECTRIC GENERATION/SUBSTATION, LDF	
	Potential COC:	30001, 30013, 30018, 30019, 30024, 3002502	
	Confirmed COC:	30001,30013,30019,30024,3002502,30018	
	Potential Description:	OTH, SOIL	
	Alias Name:	PACIFIC GAS & ELECTRIC CO	
	Alias Type:	Alternate Name	
	Alias Name:	PG&E	
	Alias Type:	Alternate Name	
	Alias Name:	PG&E Hunters Point Power Plant	
	Alias Type:	Alternate Name	
	Alias Name:	4570-024 ADN	
		01/01	

APN

4570024

Alias Type: Alias Name: PG & E HUNTERS POINT (Continued)

Database(s)

EDR ID Number EPA ID Number

	lucuj
Alias Type:	APN
Alias Name:	4571-001
Alias Type:	APN
Alias Name:	4571001
Alias Type:	APN
Alias Name:	4580-002
Alias Type:	APN
Alias Name:	4580002
Alias Type:	APN
Alias Name:	4603A-005
Alias Type:	APN
Alias Name:	4603A005
Alias Type:	APN
Alias Name:	4623A-002
Alias Type:	APN
Alias Name:	4623A002
Alias Type:	APN
Alias Name:	4647A-010
Alias Type:	APN
Alias Name:	4647A010
Alias Type:	APN
Alias Name:	110033611456
Alias Type:	EPA (FRS #)
Alias Name:	201724
Alias Type:	Project Code (Site Code)
Alias Name:	201869
Alias Type:	Project Code (Site Code)
Alias Name:	38490002
Alias Type:	Envirostor ID Number
Completed Info: Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported
Completed Document Type:	Technical Report
Completed Date:	10/13/2004
Comments:	Report submitted as part of MOA Application.
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	04/30/1997
Comments:	Phase I Environmental Site Assessment prepared by Camp, Dresser &
	McKee dated April 1997.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date: Comments:	08/31/1999
Comments:	Phase II Environmental Site Assessment submitted as part of MOA application.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	07/18/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

Not reported

Public Notice

Database(s)

EDR ID Number **EPA ID Number** 

S100351554

## PG & E HUNTERS POINT (Continued) Completed Sub Area Name:

Completed Document Type:

Completed Document Type: Completed Date: Comments:	Public Notice 08/29/2007 Postcard language approved and sent to PG&E for distribution to site mailing list. Postcard mailed out to the community on 9/4/07.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 10/15/2007 Document approved with comments. Significant increase in TPH as diesel and Bunker C levels in the extraction well. No releases noted into the intake lagoon from July 16, 2007 to end of reporting period.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 01/25/2008 Quarterly O&M Report (September through December 2007) documents operating history of extraction well EW-2 and monitoring conducted to evaluate the concentrations of petroleum hydrocarbons present in the area of EW-2. Intermittent small-volume releases, identified by the presence of sheen on the intake water lagoon, occurred from September 2007 until October 25, 2007. Since that time, no releases have been noted. All releases are fully contained by the four-part boom and absorbent system deployed in the intake water lagoon.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 09/10/2009 RI Report approved with caveats. There are data gaps in the site characterization for Areas I and J that could be filled as part of pre-design sampling. There are comments that should be addressed as part of the subsequent predictive ecological risk assessment. Further action is needed to address chemicals of concern in soil, soil gas and groundwater.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Action Plan 06/10/2010 Final Remedial Action Plan approved. Remedy calls for removal of vadose zone soil containing chemicals of concern above residential screening values, treatment of free-phase petroleum hydrocarbons, and paving of historic fill material to address concerns about potential for future exposure to naturally-occurring asbesetos in the fill material.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PROJECT WIDE Not reported Fieldwork 11/30/2012

Site restoration activities were completed.

Completed Area Name: Area H Completed Sub Area Name: Not reported

Comments:

Database(s)

EDR ID Number EPA ID Number

#### PG & E HUNTERS POINT (Continued)

a E HONTERS FOINT (COILLI	lueu
Completed Document Type: Completed Date: Comments:	Remedial Action Completion Report 05/30/2012 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 04/11/2008 The GWES began full operation on February 6, 2007. Since start up, the system has processed 84,251 gallons, for an average extraction rate of 0.17 gpm. No free product was detected in any of the wells monitored during this reporting period. No releases to the intake water lagoon have been observed since October 25, 2007. Scale build-up in the pump reduced the pumping rate this quarter. The scale was removed March 13, 2008. Pump will now be checked weekly and cleaned, as needed, to ensure its efficiency.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 09/18/2007 Report summarizes the data collected from startup through May 1, 2007 for the groundwater extraction system installed to address the release of petroleum hydrocarbons to the intake lagoon. DTSC approved this report with modifications.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Tank Removal Report 07/17/2007 At DTSC's request, the October 2004 draft report prepared for the Water Board was finalized and signed.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 12/10/2007 Air Monitoring Data Reports indicated that total dust, respirable dust, particulates, and metals in air are below screening values.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 12/10/2007 Air Monitoring Data for October 2007 continues to show all constituents measured below screening levels.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 03/21/2008 This summary report includes air monitoring data from February 1, 2008 through February 29, 2008. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the referenced monitoring period. Twenty (20) days of air monitoring is included in this reporting period. No site work or air monitoring was performed

EDR ID Number Database(s) EPA ID Number

#### PG & E HUNTERS POINT (Continued)

& E HUNTERS POINT (Contir	nued)
	on February 18, 2008 during observation of the Presidents Day holiday. Total dust air samples collected on February 19, 2008 were lost following receipt at the analytical laboratory. PCM, chromium, lead, nickel and total dust air samples collected on February 22, 2008 were lost during shipment to the analytical laboratory.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 07/03/2008 First Quarter GMR is accepted. Historical data tables will be included in subsequent groundwater monitoring reports.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 07/24/2008 DTSC approved the Public Participation Plan for the Site.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 04/21/2008 Report provides air monitoring data from March 3, 2008 through March 31, 2008. None of the average respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the air monitoring goals during the referenced monitoring period. There was a momentary spike that exceeded the respirable dust goal on one (1) of the twenty-one (21) days of monitoring at Station 2. The spike was short in duration (~1 minute). The spike was attributed to a fire protection vendor working onsite on March 27, 2008. Dry powdered fire suppressant was discharged from a pressure relief valve during servicing of equipment near AMS 2.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/14/2008 Report provides air monitoring data from November 1, 2007 through November 30, 2007. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded air monitoring goals during the referenced monitoring period. Air samples collected at AMS 3 and 4 on November 30th were voided due to a sampling error that damaged the filter media cassette. Twenty (20) days of air monitoring is included in this reporting period. No site work or air monitoring was performed on November 22 and 23, 2007 during observation of the Thanksgiving holiday.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 02/01/2008 Report provides air monitoring data from December 3, 2007 through December 28, 2007. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded air monitoring goals during the referenced monitoring period. Eighteen (18) days of air monitoring is included in this reporting period. No

EDR ID Number Database(s) EPA ID Number

#### PG & E HUNTERS POINT (Continued)

	eite werk er eir menitering was performed en Desember 24. 25 er 24
	site work or air monitoring was performed on December 24, 25 or 31, 2007 during the Christmas and New Year holidays.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 02/22/2008 Report provides air monitoring data for 22 days from January 2, 2008 through January 31, 2008. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded air monitoring goals during the referenced monitoring period. No site work or air monitoring was performed on January 1, 2008 during observation of the New Year holiday. PCM, chromium, lead, nickel and total dust air samples were voided on January 4th due to water damage from a strong weather event. Active abatement and demolition were suspended during the late morning hours of January 4th due to safety concerns.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 05/29/2008 Summarizes air data from April 1 to April 30, 2008. A hard disk failure resulted in loss of weather monitoring data at Stations 1, 2, and 3 from April 4th through April 22nd and real-time dust monitoring data (respirable dust) generated at AMS 1 - 4 from April 7th through April 23rd. Additional backup procedures and systems have been put in place to prevent this from happenning again. None of the average respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the air monitoring goals during this twenty-two day monitoring period.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 06/23/2008 This summary report includes air monitoring data from May 1, 2008 through May 30, 2008. None of the average respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the air monitoring goals during the twenty-one (21) day monitoring period.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 12/16/2008 Fact sheet summarizing the results of the Remedial Investigation and Feasibility Study and announcing a community briefing on January 13, 2009. The fact sheet was translated into Chinese, Spanish, Samoan. This is the date the fact sheet was approved by DTSC's public participation specialist and sent to PG&E for reproduction and mailing. Copies should be mailed out on 12/26/2008.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PROJECT WIDE Not reported Other Report 07/18/2008

EDR ID Number Database(s) EPA ID Number

#### PG & E HUNTERS POINT (Continued)

E HUNTERS POINT (Contin	lued)	5100
Comments:	This summary report includes air monitoring data from June 2, 2008 through June 30, 2008. None of the average respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-three (23) day monitoring period. The airborne fibers by PCM results at AMS 4 was slightly above the air monitoring goal on June 18th, but was significantly less than the California Department of Occupational Safety and Health?s (DOSH?s) permissible exposure limit (PEL). There was also a momentary spike that exceeded the respirable dust goal at AMS 4. The spike was short in duration lasting approximately four (4) minutes. The spikes were attributed to the felling of Boiler 3 on this day. Additional pre-wetting to minimize dust emissions will be incorporated into preparation work prior to the felling of the remaining boilers at the site.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 08/25/2008 This summary report includes air monitoring data from July 1, 2008 through July 31, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-five (25) day monitoring period. There were momentary spikes noted on July 18th that exceeded the respirable dust goal at AMS 3 & 4. The spikes were short in duration lasting approximately thirty (30) minutes. The spikes were attributed to an off-site fire west of property on this day. Visible smoke from the fire was noted crossing the site during the afternoon hours.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/26/2008 This summary report includes air monitoring data from August 1, 2008 through August 30, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-three (23) day monitoring period. There were momentary spikes noted on August 1st, 7th, 15th, and 21st that exceeded the respirable dust goal at AMS 4 (Southeast monitoring station). Most of the spikes were short in duration lasting five (5) or fewer minutes. Multiple spikes were measured during a period of approximately one (1) hour on August 21st. Spikes on the 1st and 7th were likely associated with vehicular traffic near the air monitoring station. The spikes on the 15th and 21st are associated with the demolition of the oily water separator located near the air monitoring station. Air samples collected at AMS 4 on August 15th, 19th, and 21st were over-loaded with particulate and not suitable for chemical analysis. Particulate from demolition of the oily-water separator and associated concrete pedestals was the likely contributor to the sample overloading.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 01/28/2010 Fact sheet approved by the Public Participation Specialist. Comment	

EDR ID Number Database(s) EPA ID Number

PG & E HUNTERS POINT (Continued) S100351554 period will run from 2/5/2010 - 3/8/2010, public meeting to be held on 2/23/2010. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 10/28/2008 Comments: Provides perimeter air monitoring data from September 2, 2008 through September 30, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the air monitoring goals during the twenty-four (24) day monitoring period. Brief spikes were noted on September 2nd at AMS 3 and on September 25th at AMS 3 and 4 that exceeded the respirable dust goal for a minute or less. PROJECT WIDE Completed Area Name: Not reported Completed Sub Area Name: Completed Document Type: Other Report Completed Date: 11/26/2008 Comments: Report provides air monitoring data from October 1, 2008 through October 31, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the air monitoring goals during the twenty-three (23) day monitoring period. There were momentary spikes noted on October 7th, 22nd, and 23rd at AMS 4 and on October 22nd at AMS 2 that exceeded the respirable dust goal. All of the spikes were of short duration lasting for three (3) or fewer minutes. Respirable dust data for October 3rd is not available for AMS 4 due to a memory error with the field instrumentation. The data logger used at AMS 4 on October 3rd was inspected and verified functional before returning to the field the following day. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 03/20/2009 Comments: Although issues were raised, they should be addressed in the next semiannual monitoring report. Problems with sampling should be corrected in the next sampling event. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Pilot Study/Treatability Workplan Completed Date: 12/22/2009 Comments: Pilot Test workplan involves bench scale and pilot testing of chemical oxidation treatment of petroleum hydrocarbons within the "smear" zone. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 01/02/2009 Comments: This summary report includes air monitoring data from November 3, 2008 through November 26, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-two (22) day monitoring period.

Database(s)

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#### PG & E HUNTERS POINT (Continued)

k E HUNTERS POINT (Continued) S100			
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 04/09/2009 Agree to address comments in subsequent report.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/27/2009 The report summarizes air monitoring data from December 1, 2008 through December 31, 2008. None of the airborne fibers by PCM, total dust, chromium, lead, or nickel results exceeded the air monitoring goals during this period. There were two momentary occurrences, lasting for one minute, noted on December 1st and 5th at AMS 4 that exceeded the respirable dust goal. Handling of crushed concrete contributed to the event on December 1st. Site cleaning with a street sweeper contributed to the December 5, 2008 event. The respirable dust concentrations as measured at AMS 4 on December 1st and 5th wer more than 300 times below the California Department of Occupational Safety and Health (DOSH) Permissible Exposure Limit (PEL).	e	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Characterization Workplan 03/26/2009 DTSC approved a workplan to conduct additional investigation of the petroleum groundwater plume on Areas B and I and on the adjacent White Cap Construction property.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 02/26/2009 This summary report includes air monitoring data from January 5, 2009 through January 30, 2009. None of the airborne fibers by PCM, total dust, chromium, lead, or nickel results exceeded air monitoring goals during the twenty (20) day monitoring period. There was one occurrence noted on January 23rd at AMS 1 that exceeded the Site's respirable dust goal lasting one minute. However, this concentration was more than 150 times below the Cal-OSHA Permissible Exposure Lim (PEL). This occurrence was likely due to vehicle traffic.	it	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 04/30/2009 This summary report includes air monitoring data from March 2, 2009 through March 31, 2009. The total dust, average respirable dust, chromium, lead, and nickel results were below air monitoring goals during the twenty-two (22) day monitoring period. All of the lead air samples were reported below the laboratory detection limit. However, due to shortened air monitoring durations on March 2nd and 7th, the laboratory detection limit for lead was above the lead air monitoring goal for those two days. Respirable dust data is not available for March 27th at AMS 2 due to a corrupted memory header in the electronic instrument that was fixed by the next day. The respirable		

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#### PG & E HUNTERS POINT (Continued)

& EHUNTERS POINT (Contin	lued)
	dust concentration at AMS 2 on March 11, 2009 exceeded the monitoring goal for a one minute duration during the morning likely due to adjacent excavation work to access a gas line. The airborne fibers result was reported above the site's air monitoring goal on March 30th at AMS 1. There was not any site work within several hundred feet of theair monitoring station. The result although above the air monitoring goal, was several orders of magnitude less than the Cal/OSHA's permissible exposure level.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 06/01/2009 This report summarizes air monitoring data from April 1, 2009 through April 30, 2009. The total dust, average respirable dust, chromium, lead, and nickel results were below the footnoted air monitoring goals during the twenty-two (22) day monitoring period. All of the lead air samples were reported below the laboratory detection limit. However, the laboratory detection limit was at or above the lead air monitoring goal for the samples collected at AMS 7 on April 28th, 29th, and 30th due to shortened air monitoring durations on each day. The respirable dust concentration at AMS 4 on April 2, 2009 exceeded the monitoring goal for a one minute duration during the afternoon. The elevated dust concentration was attributed to higher than average wind and the movement of tarps for soil stockpiles near the end of site operations for the day. The airborne fibers as determined by phase contrast microscopy (PCM) sample collected at AMS 2 on April 21st was reported as overloaded with particulate. Excavation within a few feet of AMS 2 was performed on April 21st and increased the loading in this air sample.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Feasibility Study Report 12/30/2009 DTSC approved the Feasibility Study Report that recommends (1) removal of soil to remove contaminants from operations at the Site; (2) in-situ chemical oxidation to address a petroleum product plume in groundwater; and (3) capping of the site until the Site is redeveloped to address issues associated with naturally-occurring asbestos and metals associated with the serpentinite materials used as fill material when the Site filled in.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Characterization Report 02/03/2010 Report supplements information developed in the Remedial Investigation. Soil gas, optical screening, chemical, geotechnical and petro-physical testing of soils and analysis of groundwater to better define the extent of the free product plume.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Time Critical Removal Action Workplan 11/30/2009 TCRA Work Plan approved for implementation. Work will begin in

late-December 2009, concurrent with public comment period on the

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#### PG & E HUNTERS POINT (Continued)

	administrative record for this action.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/01/2009 Report covers the period from July 1 to July 31, 2009. The total dust, respirable dust, peak respirable dust, airborne fibers by PCM, chromium, lead, and nickel results were below the footnoted air monitoring goals during the twenty-two (22) day monitoring period. Air testing for airborne asbestos fibers by TEM was implemented on July 17, 2009. Air testing for airborne fibers by PCM was suspended on July 21, 2009. Air testing for airborne fibers by PCM was suspended on July 21, 2009. Air testing for airborne fiber analysis by TEM is more sensitive than PCM and is capable of identifying and confirming the presence of asbestos fibers by its mineralogy. The transition to airborne fiber analysis by TEM was implemented based upon the requirements of the Bay Area Air Quality Management District (BAAQMD) to performed work on the site that will disturb naturally occurring asbestos (NOA) starting on July 22, 2009. The airborne fiber concentrations by TEM reported at AMS 3 and 4 on July 31st was most likely attributed to heavier than average truck traffic accessing the site through the Evans Street entry gate and traveling near the southern perimeter of the property. More frequent access road and stockpile wetting was implemented to reduce airborne asbestos fiber concentrations.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/02/2009 Report presents air monitoring data for the period from June 1, 2009 through June 30, 2009. The total dust, average respirable dust, peak respirable dust, airborne fibers, chromium, lead, and nickel results were below the footnoted air monitoring goals during the twenty-two (22) day monitoring period.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 10/22/2009 This summary report includes air monitoring data from September 1 - 30, 2009. The total dust, respirable dust, peak respirable dust, chromium, lead and nickel results were below air monitoring goals during the 21 work days monitored.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/30/2009 Report presents air monitoring results for air samples collected during the 20 working days between October 1 and October 30, 2009. Supplemental air monitoring was conducted during the 11 days when work was conducted in Area A. The total dust, average respirable dust, chromium, lead, and nickel results were below project air monitoring goals. Respirable dust data is not available for October 12th at Station AMS 1 due to a field error during downloading of the instrument. Abbreviated data is available for October 22nd at Station

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#### PG & E HUNTERS POINT (Continued)

#### S100351554

AMS 4 and October 28th and 30th at Station AMS 3. Data logging stopped or was intermittent during the sampling sessions due to failing circuit boards in both instruments. The faulty instruments at AMS 3 and 4 were temporarily replaced with other functioning instruments. The manufacturer has replaced the failed circuit boards in both of the faulty instruments.

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 12/22/2009 Air Monitoring Report for November 2009 continues to show particulates below screening levels
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/01/2010
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Notice 01/28/2010 Public Participation Specialist approved the public notice for publication on 2/5/2010.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 02/03/2010 PG&E collected samples around 6 power poles and 1 support pole in Area A to determine the extent of potential chemicals of concern that may be present in the vicinity of the poles.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/13/2010
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 03/09/2010 Report approved with minor changes to the sounding, sampling and reporting requirements.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	06/28/2010
Comments:	Letter approving report with modifications and caveats.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report

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#### PG & E HUNTERS POINT (Continued) S100351554 Completed Date: 06/21/2010 Not reported Comments: PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 04/19/2010 Comments: February 2010 air monitoring report OK. Total dust, respirable dust, chromium, lead, and nickel results were below air monitoring goals for the 19 day monitoring period. Air monitoring was administered in 4 fixed locations (AMS 1-4) and 3 supplemental locations (AMS 6-8). Air monitoring stations 6-8 were operational during field work activities. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Other Report Completed Document Type: Completed Date: 05/28/2010 Comments: Approved Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 05/28/2010 Comments: April 2010 air monitoring report approved. There was one maximum detection of respirable dust above the 0.5 mg/m3 screening level, but the average for the air monitoring station for that day was below 0.01 mg/m3. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 07/01/2010 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 02/15/2011 Comments: RP's response to comments addresses DTSC's comments. DTSC accepts the 2010 Semiannual Groundwater Monitoring Report into its records. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Pilot/Treatability Study Report Completed Date: 10/28/2010 Comments: DTSC approved the report and required submittal of the full scale design plan. PROJECT WIDE

 Completed Area Name:
 PROJECT WIDE

 Completed Sub Area Name:
 Not reported

 Completed Document Type:
 Other Report

 Completed Date:
 08/03/2010

 Comments:
 Report OK. Call with CSiu of SCA Environmental to address comment dated 7.7.10. No significant excavation activities and no short term air monitoring data were collected for the month of May.

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#### PG & E HUNTERS POINT (Continued)

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 07/30/2010 Perimeter Zone Monitoring Report OK. Asbestos, total chromium, lead, nickel, dust (total), dust (respirable), SVOC, and VOC data all below Project Monitoring Levels. MH 7.30.10
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	08/06/2010
Comments:	Workplan approved. MH 8.6.2010
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	08/30/2010
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/29/2010 Reports OK. Airborne asbestos, total dust, respirable dust, chromium, nickel, and lead all below project monitoring goals. MH 9.29.10
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	11/01/2010
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Characterization Workplan 01/24/2011 DTSC reviewed/approved changes in response to our comments on the draft document on 12/27/2010. Additional change to AVS/SEM method agreed to on 1/24/2011.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Risk Assessment Report 03/02/2012 Predictive Ecological Risk Assessment (PERA) for Area G (Intertidal Zone Surface Water and Sediments) approved. PERA found no significant risk for ecological receptors that utilize the mud flats of both the Site-specific background area and Area G. 2/28/2012 Report resubmitted 7/2/2012 to correct an error on Page 1, section 1, Paragraph 1, last sentence. Area G includes any land below the maximum high tide mark.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan

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#### PG & E HUNTERS POINT (Continued)

Completed Date: Comments:	04/21/2011 DTSC approved the insitu chemical oxidation pilot study work plan for implementation with additional requirements.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/29/2010 PZM Report for October 2010 OK. Air monitoring was conducted from the period of October 1-30, 2010 for airborne asbestos, dust, metals, and semi-volatiles and volatiles at four (4) air monitoring stations. One spike for respirable dust that exceeded the project monitoring goal was measured on October 26, 2010. However, the average respirable dust for the rest of the day was well below the project monitoring goal and similar to the average respirable dust for other days indicating that this is an isolated event.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 12/10/2010 All biweekly TEM Reports and PZM Report submitted for this month.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/26/2011 All TEM data and PZM data for the month of December OK.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 02/15/2011 RP submitted a signed signature page to the DTSC that fulfilled DTSC's comment. DTSC accepts the 2010 Semiannual Groundwater Monitoring Report into its records.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area I Not reported Technical Workplan 09/09/2011 DTSC approves Work Plan with modifications/conditions.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 03/30/2011 Reviewed biweekly airborne asbestos monitoring report dated January 19, 2011 monitoring from January 4 through January 14, 2011. Data was collected from six (6) air monitoring stations on Site. There were a total of five (5) trigger-level exceedences for airborne asbestos during this period. The trigger-level is set for 0.016 s/cc. On January 4, 2011, AMS6U had a reading of 0.016. On January 10, 2011, AMS1 had a reading of 0.0312, and AMS2 had a reading of 0.0205. On January 14, 2011, AMS2 had a reading of 0.0287 and AMS6U had a reading of 0.0169. PG&E held a public meeting on January 20, 2011 to discuss these series of exceedences and the action being

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#### PG & E HUNTERS POINT (Continued)

	lacaj
	taken to reduce these instances. Additional water misters were placed in Area A around the truck path. Physical sheeting is being placed in some areas Areas A and J. Additional soil tack is also being placed on top of the physical sheeting. When all of these exceedences were encountered, we were either contacted by email or by phone. Report OK. If additional monitoring reports show high levels of asbestos in air, work activities may need to be decreased in these areas. MH 1.25.11
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	04/29/2011
Comments:	Sample collection completed.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Technical Workplan 03/07/2011 PG&E submitted it's plans to conduct additional soil sampling in Area B to better define the extent of soil containing dioxins above the site cleanup goal.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	03/30/2011
Comments:	All bi-weekly reports and PZM report OK. MH 3.30.11
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	05/02/2011
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 05/24/2011 Reviewed Perimeter Zone Monitoring Report dated May 19, 2011. Air monitoring was conducted at six (6) monitoring stations located around the perimeter of the site. Air was monitored for airborne asbestos, metals, dust, SVOCs, and VOCs. On April 14, 2011, asbestos was detected at 0.0391 s/cc at air monitoring station AMS 6U which is above the air monitoring goal of 0.016 s/cc. Additional soil tackifier and water was applied to the area when the exceedance occurred. No other exceedances were detected. DTSC accepts the results and analysis of the Report. MH 5.24.11
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/30/2011
Comments:	Reports accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

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#### PG & E HUNTERS POINT (Continued)

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Completed Document Type: Completed Date: Comments:	Other Report 07/28/2011 Bi-weekly air monitoring reports for June 2011 and Partial June 2011 Monthly Air Monitoring Report accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/28/2011
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Work Notice 12/22/2009 Work Notice for the time critical removal action work mailed out today.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/01/2009
Comments:	Report accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	08/25/2011
Comments:	July 2011 Bi-weekly TEM Reports and Monthly Report accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/30/2011
Comments:	Two bi-weekly TEM Reports and monthly summary report accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	11/14/2011
Comments:	Report accepted.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/30/2011 Report covers air monitoring conducted between October 1 through October 31, 2011 for asbestos (TEM), dust, metals, semi-volatile organic compounds and volatile organic compounds at four perimeter monitoring stations around the site and four additional mobile air monitoring stations.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/04/2012
Comments:	Reports document air monitoring conducted between November 1 and

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PG & E HUNTERS POINT (Continued) S100351554			
	November 30, 2011 from four fixed and two mobile air monitoring stations at the Site.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/27/2012 The report presents the results of the air sampling conducted in December 2011. One (1) result on December 9 of 0.0469 s/cc at 6U exceeded the screening level of 0.016 s/cc for airborne asbestos possibly due to upwind and offsite excavation activities unrelated to this project. On 12/29/2011, the average daily photometer reading (0.845 mg/m3) exceeded the Project Monitoring Goal of 0.5 mg/m3. There were no other exceedances of screening criteria. On 12/17 and 12/21, the downwind monitor in Area A (AMS6D) was shut down before the upwind monitor (AMS6U) because the battery ran low or the replacement batteries would not power up the stations and SCA had to get another replacement battery from the Annex (URS office).		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 02/28/2012 Provides results for air monitoring conducted in January 2012. No air monitoring was conducted on 1/2/2012 because the entire site was shut down for the New Year holiday. All soil disturbance activities were completed on 1/19/2012, so air monitoring was discontinued. Airborne asbestos exceeded the site screening level of 0.016 s/cc on two days (air monitoring station #2 (0.0177 s/cc on 1/17/2012 and 0.0218 s/cc on 1/14/2012). Based upon the east/southeast prevailing wind direction, this is believed to be related to offsite upwind non-projected related activities. However, additional dust control measures, including suspending work, applying more water and soil tackifier, etc. were implemented for pertinent onsite-related activities.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 08/15/2012 Not reported		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 04/14/2011 PG&E letter notifying DTSC that David Harnish is replacing Loren Loo as PG&E's project manager for the Hunters Point Power Plant site.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Risk Assessment Report 10/06/2011 Not reported		
Completed Area Name: Completed Sub Area Name:	Area A Not reported		
Database(s)

EDR ID Number EPA ID Number

# PG & E HUNTERS POINT (Continued)

Completed Document Type:	Other Report	
Completed Date:	09/29/2011	
Comments:	Not reported	
Completed Area Name:	Area A	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Remedial Action Completion Report	
Completed Date:	07/11/2012	
Comments:	Not reported	
Completed Area Name:	Areas C & D	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Remedial Action Completion Report	
Completed Date:	07/11/2012	
Comments:	Not reported	
Completed Area Name:	Area B	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Remedial Action Completion Report	
Completed Date:	07/18/2012	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	03/02/2012	
Comments:	Not reported	
Completed Area Name:	Area J	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Remedial Action Completion Report	
Completed Date:	07/11/2012	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Pilot/Treatability Study Report	
Completed Date:	07/24/2012	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Remedial Action Implementation Workplan	
Completed Date:	06/15/2012	
Comments:	DTSC concurred with Remedial Designs.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Remedial Action Completion Report 10/17/2013 Soil excavation was performed to remove soil up to the confirmation sample location achieving the site cleanup goals or until groundawter, an arae boundary or a physical boundary was reached. A total of 35,457 tons of soil (25,082 tons for soil remediation and an additional 10,375 tons for groundwater remediation) were excavated and siposed from Area B-South. All soil was classified as non-RCRA CA hazardous waste and transported first by truck in sealed bags to	

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## PG & E HUNTERS POINT (Continued)

WSG on Cargo Way and them by railcar to ECDC in Utah. Chemical oxidants were applied to the excavation base where it extended to groundwater prior to backfilling the excavation to treat entrenched petroleum hydrocarbons. Replacement groundwater monitoring wells were installed and are being monitored. Still need to address TPH in the area adjacent to the lagoon and to determine whether the BCS and lagoon release response system need to continue operation before the area can be certified.

	area can be certified.
Completed Area Name:	Area I
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	11/08/2013
Comments:	Not reported
Completed Area Name:	Jennings Street and White Cap Area
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	06/13/2013
Comments:	Not reported
Completed Area Name:	Areas C & D
Completed Sub Area Name:	Not reported
Completed Document Type:	*Correspondence - Received
Completed Date:	10/28/2011
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Site Characterization Report 04/25/2012 Additional soil sampling and analysis conducted in support of the remedial design. Email message sent to PG&E concurring with the responses and clarifying that in the RTC to 2a, the trench logs for SB-31 and SB-37 don't mention encountering the tank ring. Therefore, there isn't documentation in the report to support the text on page 4 which notes no apparent staining and concrete in good condition. However, the tank ring will likely be exposed during the Area B-South soil excavation, so this isn't a significant issue.
Completed Area Name:	Area A
Completed Sub Area Name:	Not reported
Completed Document Type:	*Correspondence - Received
Completed Date:	11/16/2011
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 12/05/2011 DTSC verbally approved the installation of five groundwater monitoring wells to replace the 13 wells abandoned in Areas A, B, C, D, and I. DTSC will review the sampling results and groundwater flow directions. Based upon the results, additional monitoring wells may be required. Wells are to be reinstalled and sampled by the end of January 2012.

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Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 06/20/2012 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 07/18/2012 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 10/01/2012 Report documents sampling conducted in April 2012. MW-22 & JSPMW-4 contained measurable petroleum product and were not sampled. Results generally consistent with the November 2011 monitoring event. Next sampling event scheduled for October 2012.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 05/23/2013 Report documents October 2012 sampling event. Wells MW-13 and WCPMW-10 contained measurable product.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 07/18/2012 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 06/07/2012 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Jennings Street and White Cap Area Not reported Technical Report 06/07/2012 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area J Not reported Technical Workplan 04/06/2012 Work Plan submitted to DTSC for its files. No review requested.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area I Not reported Remedial Action Plan w/ESD 08/20/2012 DTSC approved the Area I RAP Amendment for public comment.	

Database(s)

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Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area I Not reported Fact Sheets 07/10/2012 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Fieldwork 11/30/2012 Site restoration activities completed.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Work Notice 06/20/2012 Work Notice announcing the potential for the contractor to work on Saturdays is being sent to potentially impacted individuals, businesses and key community contacts.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Well Installation Workplan 07/12/2012 DTSC approved installation of three additional groundwater monitoring wells on the adjacent White Cap property to better delineate the extent of the petroleum hydrocarbon groundwater plume.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area I Not reported Public Notice 07/10/2012 Public Notice to run in the San Francisco Chronicle and Sun Reporter on 7/13/2012.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 08/21/2012 During the reporting period, there was two TEM test reports (July 10th, and July 24th 2012) for airborne asbestos that exceeded 0.016 s/cc., the trigger level established for this project. Corrective actions were taken and asbestos levels returned to below the trigger level in each instance. All other air samples during this time frame were below the monitoring goals.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Design/Implementation Workplan 09/05/2012 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Design/Implementation Workplan 09/05/2012 Not reported

PG & E HUNTERS POINT (Continued)

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

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Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Technical Report 09/05/2012 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Jennings Street and White Cap Area Not reported Site Characterization Workplan 09/06/2012 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area E Not reported Site Characterization Workplan 11/29/2012 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Technical Workplan 11/09/2012 DTSC approves the implementation of the soil vapor sampling plan with modifications specified in the letter that were agreed upon between DTSC and PG&E.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 10/01/2012 During the August 2012 reporting period, there were two TEM test reports for airborne asbestos that were reported as overloaded by Asbestos TEM Laboratories, INC. Testing protocols require that any sample with >20% loading is considered oOverloadedo. On Tuesday August 7th, 2012, AMS-7D had a particulate loading of >20% with non-mineral fibers which is consistent with the hydroseal application which took place at that time. A heavy layer of hydroseal soil tacking material was applied to control dust during the sampling time frame. The airborne respirable dust (mg/m3) analyzed by Dustrak photometer during the work day had a maximum reading of 0.052 mg/m3 which is below the project goal. On Thursday August 16th, 2012 AMS 7D had a particulate loading of 40% consisting of gypsum, clay and fine grain quartz particulate. Clean import fill was being stock piled in the vicinity of AMS 7D during the sample time frame. The airborne respirable dust analyzed by Dustrak photometer had a maximum reading of 0.135 mg/m3 which is below the project goal. In order to minimize particulate loading in the future, all clean import fill will be stockpiled at least 75 feet from the AMS and additional misting and dust spray will be employed during stockpiling. All other air samples during this time frame were below the monitoring goals.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 10/30/2012 Bi-weekly asbestos reports and the monthly air monitoring reports are accented

accepted.

PG & E HUNTERS POINT (Continued)

#### MAP FINDINGS

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S100351554

#### Completed Area Name: Area I Completed Sub Area Name: Not reported Technical Workplan Completed Document Type: Completed Date: 10/12/2012 Comments: Approved installation of four replacement monitoring wells in Area I. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: **Technical Workplan** Completed Date: 06/13/2013 Comments: Conditional approval provided. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Technical Workplan Completed Date: 11/01/2012 Comments: Approved workplan for groundwater sampling during the second semiannual 2012 monitoring event with one modification. SITES WITH NO OPERABLE UNIT Completed Area Name: Completed Sub Area Name: Former Utility Tunnel underneath Evans Avenue between Areas A and J Completed Document Type: **Technical Report** Completed Date: 12/18/2012 Comments: Letter Report documents PG&E's observations and the response actions implemented to address an apparent petroleum hydrocarbon release observed on December 5, 2012 in the utility tunnel beneath Evans Avenue adjacent to the PG&E Hunters Point Site. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Other Report Completed Document Type: Completed Date: 01/30/2013 Comments: Not reported Completed Area Name: Area E Completed Sub Area Name: Not reported Completed Document Type: Fieldwork Completed Date: 04/05/2013 Comments: field work completed. Completed Area Name: Jennings Street and White Cap Area Not reported Completed Sub Area Name: Completed Document Type: Work Notice Completed Date: 03/20/2013 Comments: Work Notice for the upcoming groundwater treatment work. Work will start at the beginning of April with the installation of injection wells on portions of Jennings Street and the White Cap Construction property. Groundwater will then be treated with a treatment agent called Regenox to break down the petroleum hydrocarbons into safe water-soluble compounds. Completed Area Name: SITES WITH NO OPERABLE UNIT Completed Sub Area Name: Former Utility Tunnel underneath Evans Avenue between Areas A and J Completed Document Type: Technical Report Completed Date: 03/28/2013 Comments: A petroleum sheen was noted on water emanating from the Plant Western end of a former utility tunnel that runs beneath Evans Avenue on

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# PG & E HUNTERS POINT (Continued)

	December 5, 2012. After removing the water and cleaning the pavement, soil and water samples were subsequently collected beneath and alongside the Plant Western end of a former utility tunnel to determine whether there was a significant source of petroleum hydrocarbons in groundwater or in the soils/bedrock immediately underlying a former utility tunnel that could have caused this release. Petroleum hydrocarbons were not detected or were detected at low concentrations well below the 3,129 mg/kg TPH remedial action goal established for soil at the site. Therefore, no significant TPH source was found in groundwater or soils/bedrock immediately underlying the tunnel. PG&E will continue to monitor conditions in the tunnel as part of the ongoing stormwater monitoring program established in the Stormwater Pollution Prevention Plan.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 09/05/2013 Report documents the results from the first quarter 2013 sampling event that took place March 28 and 29, 2013. Water levels were measured in 53 monitoring wells and 12 monitoring wells were sampled for analytical testing. The report also documents the operation and maintenance of the Area B-South short-term capture system.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Technical Report 01/06/2014 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Site Characterization Report 09/17/2013 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 10/22/2013 DTSC accepts the report. Report has been adequately revised to address our comments.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Remedial Action Implementation Workplan 10/22/2013 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 11/11/2013 Report accepted. No reoccurrence of free petroleum product noted in Areas C/D or B-South.
Completed Area Name:	PROJECT WIDE

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PG 8	E HUNTERS POINT (Contir	nued)	S100351554
	Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Technical Report 01/06/2014 Not reported	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area E Not reported Technical Workplan 04/04/2014 Not reported	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Jennings Street and White Cap Area Not reported Technical Workplan 03/17/2014 Not reported	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Amendment - Order/Agreement 07/08/2008 VCA amended to add two additional areas (I & J) and to update cost estimate.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported AB 2061 - Designation 08/29/2008 Site Designation Committee approved PG&E's application requesting that Assessor Parcel Number 4570-024 be added to the previous designation specified in Resolution Number 07-05 (designated on June 28, 2007 and including APN(s) 4571-001, 4580-002, 4603A-005, 4623A-002 and 4647A-010) and that the Administering Agency continue to be DTSC.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Annual Oversight Cost Estimate 10/30/2012 Cost estimate for project codes 201724 and 201869	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Amendment - Order/Agreement 08/17/2012 VCA Amended to clarify property included in the VCA and to add portion of PG&E substation property formerly used by Habitat for Humanity as a laydown area.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Amendment - Order/Agreement 12/11/2013 Voluntary Cleanup Agreement was amended to modify the boundaries of Area E.	
	Completed Area Name:	PROJECT WIDE	

Completed Area Name: PROJECT WIDE

Database(s)

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PG & E HUNTERS POINT (Conti	nued)	S100351554
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Correspondence 12/17/2013 DTSC concurred with 1) discontinuing groundwater monitoring in Areas B-North, B-Central, and D; 2) abandonment of monitoring wells MW-3, MW-23, MW-24 and MW-25; and 3) abandonment of monitoring well MW-3 if it is not required to monitor conditions downgradient of MW-27 in Area C.	26
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported * Discovery 08/14/1981 FACILITY IDENTIFIED FROM RWQCB FILES	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Annual Oversight Cost Estimate 11/09/2011 2011/2012 DTSC Oversight Cost Estimate sent to PG&E	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Voluntary Cleanup Agreement 03/27/2007 Entered into Voluntary Cleanup Agreement Docket No. HSA-VCA 06/07-14 with Pacific Gas & Electric Company for the investigation and cleanup of the Hunters Point Power Plant Site.	44
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Initial Study/ Neg. Declaration 06/10/2010 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Notice of Exemption 11/30/2009 Notice of Exemption for the Time-Critical Removal Action to install product skimming trenches at the PG&E HPPP Site to remove floating product from the water table.	
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Due Date: Future Due Date: Future Due Date: Future Area Name: Future Sub Area Name:	Area J Not reported Land Use Restriction 2015 Area J Not reported Certification 2015 Area I Not reported Certification 2014 Areas C & D Not reported	

Database(s)

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#### PG & E HUNTERS POINT (Continued)

Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date:

Certification 2014 Area I Not reported Land Use Restriction 2014 Area E Not reported Removal Action Workplan 2014 Area J Not reported Remedial Action Completion Report 2015 Jennings Street and White Cap Area Not reported Remedial Action Completion Report 2015 Area A Not reported Certification 01/31/2014 05/30/2014 Area H Not reported Certification 01/31/2014 05/30/2014 Area B Not reported Certification 06/25/2014 Not reported Area E Not reported Remedial Investigation Report 05/31/2014 Not reported

### ENVIROSTOR:

Facility ID:	38490002
Status:	Active
Status Date:	03/27/2007
Site Code:	201869
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	30.3
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Janet Naito
Supervisor:	Barbara Cook
Division Branch:	Cleanup Berkeley
Assembly:	17
Senate:	11
Special Program:	Designation of Single Agency
Restricted Use:	YES

Database(s) E

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# PG & E HUNTERS POINT (Continued)

۶G	& E HUNTERS POINT (C	ontinued)	S
	Site Mgmt Req:	NONE SPECIFIED	
	Funding:	Not reported	
	Latitude:	37.73771	
	Longitude:	-122.3782	
	APN:	4570-024, 4570024, 4571-001, 4571001, 4580-002, 4580002, 4603A-005,	
		4603A005, 4623A-002, 4623A002, 4647A-010, 4647A010	
	Past Use:	ELECTRIC GENERATION/SUBSTATION, LDF	
	Potential COC:	Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic	
		hydrocarbons (PAHs TPH-diesel TPH-MOTOR OIL	
	Confirmed COC:	Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel	
		TPH-MOTOR OIL Polychlorinated biphenyls (PCBs	
	Potential Description:	OTH, SOIL	
	Alias Name:	PACIFIC GAS & ELECTRIC CO	
	Alias Type:	Alternate Name	
	Alias Name:	PG&E	
	Alias Type:	Alternate Name	
	Alias Name:	PG&E Hunters Point Power Plant	
	Alias Type:	Alternate Name	
	Alias Name:	4570-024	
	Alias Type:	APN	
	Alias Name:	4570024	
	Alias Type:	APN	
	Alias Name:	4571-001	
	Alias Type:	APN	
	Alias Name:	4571001	
	Alias Type:	APN	
	Alias Name:	4580-002	
	Alias Type:	APN	
	Alias Name:	4580002	
	Alias Type:	APN ACCORD	
	Alias Name:	4603A-005	
	Alias Type: Alias Name:	APN 46024005	
	Alias Type:	4603A005 APN	
	Alias Name:	4623A-002	
	Alias Type:	4023A-002 APN	
	Alias Name:	4623A002	
	Alias Type:	APN	
	Alias Name:	4647A-010	
	Alias Type:	APN	
	Alias Name:	4647A010	
	Alias Type:	APN	
	Alias Name:	110033611456	
	Alias Type:	EPA (FRS #)	
	Alias Name:	201724	
	Alias Type:	Project Code (Site Code)	
	Alias Name:	201869	
	Alias Type:	Project Code (Site Code)	
	Alias Name:	38490002	
	Alias Type:	Envirostor ID Number	
C	completed Info:		
	Completed Area Name:	PROJECT WIDE	
	Completed Sub Area Na		
	Completed Document Ty		
	Completed Date:	10/13/2004	
	Comments:	Report submitted as part of MOA Application.	

Database(s) EPA ID

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#### PG & E HUNTERS POINT (Continued) S100351554 Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Preliminary Assessment Report Completed Date: 04/30/1997 Comments: Phase I Environmental Site Assessment prepared by Camp, Dresser & McKee dated April 1997. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Site Characterization Report Completed Date: 08/31/1999 Comments: Phase II Environmental Site Assessment submitted as part of MOA application. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Remedial Investigation Workplan Completed Document Type: Completed Date: 07/18/2007 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Public Notice Completed Document Type: Completed Date: 08/29/2007 Comments: Postcard language approved and sent to PG&E for distribution to site mailing list. Postcard mailed out to the community on 9/4/07. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 10/15/2007 Comments: Document approved with comments. Significant increase in TPH as diesel and Bunker C levels in the extraction well. No releases noted into the intake lagoon from July 16, 2007 to end of reporting period. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 01/25/2008 Comments: Quarterly O&M Report (September through December 2007) documents operating history of extraction well EW-2 and monitoring conducted to evaluate the concentrations of petroleum hydrocarbons present in the area of EW-2. Intermittent small-volume releases, identified by the presence of sheen on the intake water lagoon, occurred from September 2007 until October 25, 2007. Since that time, no releases have been noted. All releases are fully contained by the four-part boom and absorbent system deployed in the intake water lagoon. Completed Area Name: PROJECT WIDE Not reported Completed Sub Area Name: Completed Document Type: **Remedial Investigation Report** Completed Date: 09/10/2009 Comments: RI Report approved with caveats. There are data gaps in the site characterization for Areas I and J that could be filled as part of pre-design sampling. There are comments that should be addressed as part of the subsequent predictive ecological risk assessment. Further action is needed to address chemicals of concern in soil,

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PG & E HUNTERS POINT (Continued) S10035155		S100351554
	soil gas and groundwater.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Action Plan 06/10/2010 Final Remedial Action Plan approved. Remedy calls for removal of vadose zone soil containing chemicals of concern above residential screening values, treatment of free-phase petroleum hydrocarbons, and paving of historic fill material to address concerns about potential for future exposure to naturally-occurring asbesetos in the fill material.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fieldwork 11/30/2012 Site restoration activities were completed.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area H Not reported Remedial Action Completion Report 05/30/2012 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 04/11/2008 The GWES began full operation on February 6, 2007. Since start up, the system has processed 84,251 gallons, for an average extraction rate of 0.17 gpm. No free product was detected in any of the wells monitored during this reporting period. No releases to the intake water lagoon have been observed since October 25, 2007. Scale build-up in the pump reduced the pumping rate this quarter. The scale was removed March 13, 2008. Pump will now be checked weekly and cleaned, as needed, to ensure its efficiency.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 09/18/2007 Report summarizes the data collected from startup through May 1, 2007 for the groundwater extraction system installed to address the release of petroleum hydrocarbons to the intake lagoon. DTSC approved this report with modifications.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Tank Removal Report 07/17/2007 At DTSC's request, the October 2004 draft report prepared for the Water Board was finalized and signed.	
Completed Area Name: Completed Sub Area Name: Completed Document Type:	PROJECT WIDE Not reported Other Report	

Database(s)

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S100351554

#### PG & E HUNTERS POINT (Continued) Completed Date: 12/10/2007 Air Monitoring Data Reports indicated that total dust, respirable Comments: dust, particulates, and metals in air are below screening values. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 12/10/2007 Comments: PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 03/21/2008 Comments:

Air Monitoring Data for October 2007 continues to show all constituents measured below screening levels. This summary report includes air monitoring data from February 1, 2008 through February 29, 2008. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the referenced monitoring period. Twenty (20) days of air monitoring is included in this reporting period. No site work or air monitoring was performed on February 18, 2008 during observation of the Presidents Day holiday. Total dust air samples collected on February 19, 2008 were lost following receipt at the analytical laboratory. PCM, chromium, lead, nickel and total dust air samples collected on February 22, 2008 were lost during shipment to the analytical laboratory.

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 07/03/2008 First Quarter GMR is accepted. Historical data tables will be included in subsequent groundwater monitoring reports.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 07/24/2008 DTSC approved the Public Participation Plan for the Site.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 04/21/2008 Report provides air monitoring data from March 3, 2008 through March 31, 2008. None of the average respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the air monitoring goals during the referenced monitoring period. There was a momentary spike that exceeded the respirable dust goal on one (1) of the twenty-one (21) days of monitoring at Station 2. The spike was short in duration (~1 minute). The spike was attributed to a fire protection vendor working onsite on March 27, 2008. Dry powdered fire suppressant was discharged from a pressure relief valve during servicing of equipment near AMS 2.

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

Database(s)

EDR ID Number **EPA ID Number** 

#### PG & E HUNTERS POINT (Continued) Completed Document Type: Other Report Completed Date: 01/14/2008 Comments: Report provides air monitoring data from November 1, 2007 through November 30, 2007. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded air monitoring goals during the referenced monitoring period. Air samples collected at AMS 3 and 4 on November 30th were voided due to a sampling error that damaged the filter media cassette. Twenty (20) days of air monitoring is included in this reporting period. No site work or air monitoring was performed on November 22 and 23, 2007 during observation of the Thanksgiving holiday. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 02/01/2008 Comments: Report provides air monitoring data from December 3, 2007 through December 28, 2007. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded air monitoring goals during the referenced monitoring period. Eighteen (18) days of air monitoring is included in this reporting period. No site work or air monitoring was performed on December 24, 25 or 31, 2007 during the Christmas and New Year holidays. Completed Area Name: PROJECT WIDE Not reported Completed Sub Area Name: Completed Document Type: Other Report Completed Date: 02/22/2008 Comments: Report provides air monitoring data for 22 days from January 2, 2008 through January 31, 2008. None of the respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded air monitoring goals during the referenced monitoring period. No site work or air monitoring was performed on January 1, 2008 during observation of the New Year holiday. PCM, chromium, lead, nickel and total dust air samples were voided on January 4th due to water damage from a strong weather event. Active abatement and demolition were suspended during the late morning hours of January 4th due to safety concerns. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Other Report Completed Document Type: Completed Date: 05/29/2008 Comments: Summarizes air data from April 1 to April 30, 2008. A hard disk failure resulted in loss of weather monitoring data at Stations 1, 2, and 3 from April 4th through April 22nd and real-time dust monitoring data (respirable dust) generated at AMS 1 - 4 from April 7th through April 23rd. Additional backup procedures and systems have been put in place to prevent this from happenning again. None of the average respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the air monitoring goals during this twenty-two day monitoring period.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/23/2008

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PG & E HUNTERS POINT (Continued) S10		S100
Comments:	This summary report includes air monitoring data from May 1, 2008 through May 30, 2008. None of the average respirable dust, total dust, airborne fibers by PCM, chromium, lead, or nickel results exceeded the air monitoring goals during the twenty-one (21) day monitoring period.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 12/16/2008 Fact sheet summarizing the results of the Remedial Investigation and Feasibility Study and announcing a community briefing on January 13, 2009. The fact sheet was translated into Chinese, Spanish, Samoan. This is the date the fact sheet was approved by DTSC's public participation specialist and sent to PG&E for reproduction and mailing. Copies should be mailed out on 12/26/2008.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 07/18/2008 This summary report includes air monitoring data from June 2, 2008 through June 30, 2008. None of the average respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-three (23) day monitoring period. The airborne fibers by PCM results at AMS 4 was slightly above the air monitoring goal on June 18th, but was significantly less than the California Department of Occupational Safety and Health?s (DOSH?s) permissible exposure limit (PEL). There was also a momentary spike that exceeded the respirable dust goal at AMS 4. The spike was short in duration lasting approximately four (4) minutes. The spikes were attributed to the felling of Boiler 3 on this day. Additional pre-wetting to minimize dust emissions will be incorporated into preparation work prior to the felling of the remaining boilers at the site.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 08/25/2008 This summary report includes air monitoring data from July 1, 2008 through July 31, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-five (25) day monitoring period. There were momentary spikes noted on July 18th that exceeded the respirable dust goal at AMS 3 & 4. The spikes were short in duration lasting approximately thirty (30) minutes. The spikes were attributed to an off-site fire west of property on this day. Visible smoke from the fire was noted crossing the site during the afternoon hours.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/26/2008 This summary report includes air monitoring data from August 1, 2008 through August 30, 2008. None of the airborne fibers by PCM, average	

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# PG & E HUNTERS POINT (Continued)

	respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-three (23) day monitoring period. There were momentary spikes noted on August 1st, 7th, 15th, and 21st that exceeded the respirable dust goal at AMS 4 (Southeast monitoring station). Most of the spikes were short in duration lasting five (5) or fewer minutes. Multiple spikes were measured during a period of approximately one (1) hour on August 21st. Spikes on the 1st and 7th were likely associated with vehicular traffic near the air monitoring station. The spikes on the 15th and 21st are associated with the demolition of the oily water separator located near the air monitoring station. Air samples collected at AMS 4 on August 15th, 19th, and 21st were over-loaded with particulate and not suitable for chemical analysis. Particulate from demolition of the oily-water separator and associated concrete pedestals was the likely contributor to the sample overloading.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 01/28/2010 Fact sheet approved by the Public Participation Specialist. Comment period will run from 2/5/2010 - 3/8/2010, public meeting to be held on 2/23/2010.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 10/28/2008 Provides perimeter air monitoring data from September 2, 2008 through September 30, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the air monitoring goals during the twenty-four (24) day monitoring period. Brief spikes were noted on September 2nd at AMS 3 and on September 25th at AMS 3 and 4 that exceeded the respirable dust goal for a minute or less.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/26/2008 Report provides air monitoring data from October 1, 2008 through October 31, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the air monitoring goals during the twenty-three (23) day monitoring period. There were momentary spikes noted on October 7th, 22nd, and 23rd at AMS 4 and on October 22nd at AMS 2 that exceeded the respirable dust goal. All of the spikes were of short duration lasting for three (3) or fewer minutes. Respirable dust data for October 3rd is not available for AMS 4 due to a memory error with the field instrumentation. The data logger used at AMS 4 on October 3rd was inspected and verified functional before returning to the field the following day.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PROJECT WIDE Not reported Monitoring Report 03/20/2009

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PG & E HUNTERS POINT (Contir	G & E HUNTERS POINT (Continued) S1	
Comments:	Although issues were raised, they should be addressed in the next semiannual monitoring report. Problems with sampling should be corrected in the next sampling event.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Pilot Study/Treatability Workplan 12/22/2009 Pilot Test workplan involves bench scale and pilot testing of chemical oxidation treatment of petroleum hydrocarbons within the "smear" zone.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/02/2009 This summary report includes air monitoring data from November 3, 2008 through November 26, 2008. None of the airborne fibers by PCM, average respirable dust, total dust, chromium, lead, or nickel results exceeded the footnoted air monitoring goals during the twenty-two (22) day monitoring period.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 04/09/2009 Agree to address comments in subsequent report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/27/2009 The report summarizes air monitoring data from December 1, 2008 through December 31, 2008. None of the airborne fibers by PCM, total dust, chromium, lead, or nickel results exceeded the air monitoring goals during this period. There were two momentary occurrences, lasting for one minute, noted on December 1st and 5th at AMS 4 that exceeded the respirable dust goal. Handling of crushed concrete contributed to the December 1st. Site cleaning with a street sweeper contributed to the December 5, 2008 event. The respirable dust concentrations as measured at AMS 4 on December 1st and 5th were more than 300 times below the California Department of Occupational Safety and Health (DOSH) Permissible Exposure Limit (PEL).	9
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Characterization Workplan 03/26/2009 DTSC approved a workplan to conduct additional investigation of the petroleum groundwater plume on Areas B and I and on the adjacent White Cap Construction property.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 02/26/2009 This summary report includes air monitoring data from January 5, 2009	

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# PG & E HUNTERS POINT (Continued)

	through January 30, 2009. None of the airborne fibers by PCM, total dust, chromium, lead, or nickel results exceeded air monitoring goals during the twenty (20) day monitoring period. There was one occurrence noted on January 23rd at AMS 1 that exceeded the Site's respirable dust goal lasting one minute. However, this concentration was more than 150 times below the Cal-OSHA Permissible Exposure Limit (PEL). This occurrence was likely due to vehicle traffic.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 04/30/2009 This summary report includes air monitoring data from March 2, 2009 through March 31, 2009. The total dust, average respirable dust, chromium, lead, and nickel results were below air monitoring goals during the twenty-two (22) day monitoring period. All of the lead air samples were reported below the laboratory detection limit. However, due to shortened air monitoring durations on March 2nd and 7th, the laboratory detection limit for lead was above the lead air monitoring goal for those two days. Respirable dust data is not available for March 27th at AMS 2 due to a corrupted memory header in the electronic instrument that was fixed by the next day. The respirable dust concentration at AMS 2 on March 11, 2009 exceeded the monitoring goal for a one minute duration during the morning likely due to adjacent excavation work to access a gas line. The airborne fibers result was reported above the site's air monitoring goal on March 30th at AMS 1. There was not any site work within several hundred feet of theair monitoring station. The result although above the air monitoring goal, was several orders of magnitude less than the Cal/OSHA's permissible exposure level.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 06/01/2009 This report summarizes air monitoring data from April 1, 2009 through April 30, 2009. The total dust, average respirable dust, chromium, lead, and nickel results were below the footnoted air monitoring goals during the twenty-two (22) day monitoring period. All of the lead air samples were reported below the laboratory detection limit. However, the laboratory detection limit was at or above the lead air monitoring goal for the samples collected at AMS 7 on April 28th, 29th, and 30th due to shortened air monitoring durations on each day. The respirable dust concentration at AMS 4 on April 2, 2009 exceeded the monitoring goal for a one minute duration during the afternoon. The elevated dust concentration was attributed to higher than average wind and the movement of tarps for soil stockpiles near the end of site operations for the day. The airborne fibers as determined by phase contrast microscopy (PCM) sample collected at AMS 2 on April 21st was reported as overloaded with particulate. Excavation within a few feet of AMS 2 was performed on April 21st and increased the loading in this air sample.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PROJECT WIDE Not reported Feasibility Study Report 12/30/2009	

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PG & E HUNTERS POINT (Continued) S1003		S100351
Comments:	DTSC approved the Feasibility Study Report that recommends (1) removal of soil to remove contaminants from operations at the Site; (2) in-situ chemical oxidation to address a petroleum product plume in groundwater; and (3) capping of the site until the Site is redeveloped to address issues associated with naturally-occurring asbestos and metals associated with the serpentinite materials used as fill material when the Site filled in.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Characterization Report 02/03/2010 Report supplements information developed in the Remedial Investigation. Soil gas, optical screening, chemical, geotechnical and petro-physical testing of soils and analysis of groundwater to better define the extent of the free product plume.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Time Critical Removal Action Workplan 11/30/2009 TCRA Work Plan approved for implementation. Work will begin in late-December 2009, concurrent with public comment period on the administrative record for this action.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/01/2009 Report covers the period from July 1 to July 31, 2009. The total dust, respirable dust, peak respirable dust, airborne fibers by PCM, chromium, lead, and nickel results were below the footnoted air monitoring goals during the twenty-two (22) day monitoring period. Air testing for airborne asbestos fibers by TEM was implemented on July 17, 2009. Air testing for airborne fibers by PCM was suspended on July 21, 2009. Air total didentifying and confirming the presence of asbestos fibers by its mineralogy. The transition to airborne fiber analysis by TEM was implemented based upon the requirements of the Bay Area Air Quality Management District (BAAQMD) to performed work on the site that will disturb naturally occurring asbestos (NOA) starting on July 22, 2009. The airborne fiber concentrations by TEM reported at AMS 3 and 4 on July 31st was most likely attributed to heavier than average truck traffic accessing the site through the Evans Street entry gate and traveling near the southern perimeter of the property. More frequent access road and stockpile wetting was implemented to reduce airborne asbestos fiber concentrations.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/02/2009 Report presents air monitoring data for the period from June 1, 2009 through June 30, 2009. The total dust, average respirable dust, peak respirable dust, airborne fibers, chromium, lead, and nickel results were below the footnoted air monitoring goals during the twenty-two (22) day monitoring period.	

### 51554

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PG & E HUNTERS POINT (Continued)		S100351554
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 10/22/2009 This summary report includes air monitoring data from September 1 - 30, 2009. The total dust, respirable dust, peak respirable dust, chromium, lead and nickel results were below air monitoring goals during the 21 work days monitored.	
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/30/2009 Report presents air monitoring results for air samples collected during the 20 working days between October 1 and October 30, 2009. Supplemental air monitoring was conducted during the 11 days when work was conducted in Area A. The total dust, average respirable dust, chromium, lead, and nickel results were below project air monitoring goals. Respirable dust data is not available for October 12th at Station AMS 1 due to a field error during downloading of the instrument. Abbreviated data is available for October 22nd at Station AMS 4 and October 28th and 30th at Station AMS 3. Data logging stopped or was intermittent during the sampling sessions due to failing circuit boards in both instruments. The faulty instruments at AMS 3 and 4 were temporarily replaced with other functioning instruments. The manufacturer has replaced the failed circuit boards in both of the faulty instruments.	
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 12/22/2009 Air Monitoring Report for November 2009 continues to show particulates below screening levels	
Completed Sub Area Name: Completed Document Type: Completed Date:	PROJECT WIDE Not reported Other Report 02/01/2010 Not reported	
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Notice 01/28/2010 Public Participation Specialist approved the public notice for publication on 2/5/2010.	
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 02/03/2010 PG&E collected samples around 6 power poles and 1 support pole in Area A to determine the extent of potential chemicals of concern that may be present in the vicinity of the poles.	
Completed Area Name:	PROJECT WIDE	

PG & E HUNTERS POINT (Continued)

MAP FINDINGS

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Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/13/2010
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 03/09/2010 Report approved with minor changes to the sounding, sampling and reporting requirements.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	06/28/2010
Comments:	Letter approving report with modifications and caveats.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	06/21/2010
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 04/19/2010 February 2010 air monitoring report OK. Total dust, respirable dust, chromium, lead, and nickel results were below air monitoring goals for the 19 day monitoring period. Air monitoring was administered in 4 fixed locations (AMS 1-4) and 3 supplemental locations (AMS 6-8). Air monitoring stations 6-8 were operational during field work activities.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	05/28/2010
Comments:	Approved
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 05/28/2010 April 2010 air monitoring report approved. There was one maximum detection of respirable dust above the 0.5 mg/m3 screening level, but the average for the air monitoring station for that day was below 0.01 mg/m3.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	07/01/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

EDR ID Number Database(s) EPA ID Number

#### PG & E HUNTERS POINT (Continued) S100351554 Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 02/15/2011 Comments: RP's response to comments addresses DTSC's comments. DTSC accepts the 2010 Semiannual Groundwater Monitoring Report into its records. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Pilot/Treatability Study Report Completed Date: 10/28/2010 Comments: DTSC approved the report and required submittal of the full scale design plan. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 08/03/2010 Comments: Report OK. Call with CSiu of SCA Environmental to address comment dated 7.7.10. No significant excavation activities and no short term air monitoring data were collected for the month of May. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 07/30/2010 Comments: Perimeter Zone Monitoring Report OK. Asbestos, total chromium, lead, nickel, dust (total), dust (respirable), SVOC, and VOC data all below Project Monitoring Levels. MH 7.30.10 Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Site Characterization Workplan Completed Date: 08/06/2010 Comments: Workplan approved. MH 8.6.2010 PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 08/30/2010 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 09/29/2010 Comments: Reports OK. Airborne asbestos, total dust, respirable dust, chromium, nickel, and lead all below project monitoring goals. MH 9.29.10 PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 11/01/2010 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported

Database(s) EPA I

EDR ID Number EPA ID Number

S100351554

# PG & E HUNTERS POINT (Continued)

1	E HUNTERS POINT (COILLI	lueuj	31
	Completed Document Type: Completed Date: Comments:	Site Characterization Workplan 01/24/2011 DTSC reviewed/approved changes in response to our comments on the draft document on 12/27/2010. Additional change to AVS/SEM method agreed to on 1/24/2011.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Risk Assessment Report 03/02/2012 Predictive Ecological Risk Assessment (PERA) for Area G (Intertidal Zone Surface Water and Sediments) approved. PERA found no significant risk for ecological receptors that utilize the mud flats of both the Site-specific background area and Area G. 2/28/2012 Report resubmitted 7/2/2012 to correct an error on Page 1, section 1, Paragraph 1, last sentence. Area G includes any land below the maximum high tide mark.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Design/Implementation Workplan 04/21/2011 DTSC approved the insitu chemical oxidation pilot study work plan for implementation with additional requirements.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/29/2010 PZM Report for October 2010 OK. Air monitoring was conducted from the period of October 1-30, 2010 for airborne asbestos, dust, metals, and semi-volatiles and volatiles at four (4) air monitoring stations. One spike for respirable dust that exceeded the project monitoring goal was measured on October 26, 2010. However, the average respirable dust for the rest of the day was well below the project monitoring goal and similar to the average respirable dust for other days indicating that this is an isolated event.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 12/10/2010 All biweekly TEM Reports and PZM Report submitted for this month.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/26/2011 All TEM data and PZM data for the month of December OK.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 02/15/2011 RP submitted a signed signature page to the DTSC that fulfilled DTSC's comment. DTSC accepts the 2010 Semiannual Groundwater Monitoring Report into its records.	

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# PG & E HUNTERS POINT (Continued)

& E HUNTERS POINT (Continued) S10		S100351554
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area I Not reported Technical Workplan 09/09/2011 DTSC approves Work Plan with modifications/conditions.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 03/30/2011 Reviewed biweekly airborne asbestos monitoring report dated January 19, 2011 monitoring from January 4 through January 14, 2011. Data was collected from six (6) air monitoring stations on Site. There were a total of five (5) trigger-level exceedences for airborne asbestos during this period. The trigger-level is set for 0.016 s/cc. On January 4, 2011, AMS6U had a reading of 0.016. On January 10, 2011, AMS1 had a reading of 0.0312, and AMS2 had a reading of 0.0205. On January 14, 2011, AMS2 had a reading of 0.0287 and AMS6U had a reading of 0.0169. PG&E held a public meeting on January 20, 2011 to discuss these series of exceedences and the action being taken to reduce these instances. Additional water misters were placed in Area A around the truck path. Physical sheeting is being placed in some areas Areas A and J. Additional soil tack is also being placed on top of the physical sheeting. When all of these exceedences were encountered, we were either contacted by email or by phone. Report OK. If additional monitoring reports show high levels of asbestos in air, work activities may need to be decreased in these areas. MH 1.25.11	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fieldwork 04/29/2011 Sample collection completed.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Technical Workplan 03/07/2011 PG&E submitted it's plans to conduct additional soil sampling in Area B to better define the extent of soil containing dioxins above the site cleanup goal.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 03/30/2011 All bi-weekly reports and PZM report OK. MH 3.30.11	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 05/02/2011 Not reported	
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported	

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PG & E HUNTERS POINT (Continued) S10035155		S100351554
Completed Document Type: Completed Date: Comments:	Other Report 05/24/2011 Reviewed Perimeter Zone Monitoring Report dated May 19, 2011. Air monitoring was conducted at six (6) monitoring stations located around the perimeter of the site. Air was monitored for airborne asbestos, metals, dust, SVOCs, and VOCs. On April 14, 2011, asbestos was detected at 0.0391 s/cc at air monitoring station AMS 6U which is above the air monitoring goal of 0.016 s/cc. Additional soil tackifier and water was applied to the area when the exceedance occurred. No other exceedances were detected. DTSC accepts the results and analysis of the Report. MH 5.24.11	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 06/30/2011 Reports accepted.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 07/28/2011 Bi-weekly air monitoring reports for June 2011 and Partial June 2011 Monthly Air Monitoring Report accepted.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 10/28/2011 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Work Notice 12/22/2009 Work Notice for the time critical removal action work mailed out today.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/01/2009 Report accepted.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 08/25/2011 July 2011 Bi-weekly TEM Reports and Monthly Report accepted.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 09/30/2011 Two bi-weekly TEM Reports and monthly summary report accepted.	
Completed Area Name:	PROJECT WIDE	

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Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Other Report 11/14/2011 Report accepted.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/30/2011 Report covers air monitoring conducted between October 1 through October 31, 2011 for asbestos (TEM), dust, metals, semi-volatile organic compounds and volatile organic compounds at four perimeter monitoring stations around the site and four additional mobile air monitoring stations.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/04/2012 Reports document air monitoring conducted between November 1 and November 30, 2011 from four fixed and two mobile air monitoring stations at the Site.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/27/2012 The report presents the results of the air sampling conducted in December 2011. One (1) result on December 9 of 0.0469 s/cc at 6U exceeded the screening level of 0.016 s/cc for airborne asbestos possibly due to upwind and offsite excavation activities unrelated to this project. On 12/29/2011, the average daily photometer reading (0.845 mg/m3) exceeded the Project Monitoring Goal of 0.5 mg/m3. There were no other exceedances of screening criteria. On 12/17 and 12/21, the downwind monitor in Area A (AMS6D) was shut down before the upwind monitor (AMS6U) because the battery ran low or the replacement batteries would not power up the stations and SCA had to get another replacement battery from the Annex (URS office).
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 02/28/2012 Provides results for air monitoring conducted in January 2012. No air monitoring was conducted on 1/2/2012 because the entire site was shut down for the New Year holiday. All soil disturbance activities were completed on 1/19/2012, so air monitoring was discontinued. Airborne asbestos exceeded the site screening level of 0.016 s/cc on two days (air monitoring station #2 (0.0177 s/cc on 1/17/2012 and 0.0218 s/cc on 1/14/2012). Based upon the east/southeast prevailing wind direction, this is believed to be related to offsite upwind non-projected related activities. However, additional dust control measures, including suspending work, applying more water and soil tackifier, etc. were implemented for pertinent onsite-related activities.
Completed Area Name:	PROJECT WIDE

PG & E HUNTERS POINT (Continued)

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Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	08/15/2012
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 04/14/2011 PG&E letter notifying DTSC that David Harnish is replacing Loren Loo as PG&E's project manager for the Hunters Point Power Plant site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Risk Assessment Report
Completed Date:	10/06/2011
Comments:	Not reported
Completed Area Name:	Area A
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/29/2011
Comments:	Not reported
Completed Area Name:	Area A
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	07/11/2012
Comments:	Not reported
Completed Area Name:	Areas C & D
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	07/11/2012
Comments:	Not reported
Completed Area Name:	Area B
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	07/18/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/02/2012
Comments:	Not reported
Completed Area Name:	Area J
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	07/11/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot/Treatability Study Report

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PG & E HUNTERS POINT (Continued)			
Completed Date:	07/24/2012		
Comments:	Not reported		
Completed Area Name:	PROJECT WIDE		
Completed Sub Area Name:	Not reported		
Completed Document Type:	Remedial Action Implementation Workplan		
Completed Date:	06/15/2012		
Comments:	DTSC concurred with Remedial Designs.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Remedial Action Completion Report 10/17/2013 Soil excavation was performed to remove soil up to the confirmation sample location achieving the site cleanup goals or until groundawter, an arae boundary or a physical boundary was reached. A total of 35,457 tons of soil (25,082 tons for soil remediation and an additional 10,375 tons for groundwater remediation) were excavated and siposed from Area B-South. All soil was classified as non-RCRA CA hazardous waste and transported first by truck in sealed bags to WSG on Cargo Way and them by railcar to ECDC in Utah. Chemical oxidants were applied to the excavation base where it extended to groundwater prior to backfilling the excavation to treat entrenched petroleum hydrocarbons. Replacement groundwater monitoring wells were installed and are being monitored. Still need to address TPH in the area adjacent to the lagoon and to determine whether the BCS and lagoon release response system need to continue operation before the area can be certified.		
Completed Area Name:	Area I		
Completed Sub Area Name:	Not reported		
Completed Document Type:	Remedial Action Completion Report		
Completed Date:	11/08/2013		
Comments:	Not reported		
Completed Area Name:	Jennings Street and White Cap Area		
Completed Sub Area Name:	Not reported		
Completed Document Type:	Remedial Action Implementation Workplan		
Completed Date:	06/13/2013		
Comments:	Not reported		
Completed Area Name:	Areas C & D		
Completed Sub Area Name:	Not reported		
Completed Document Type:	*Correspondence - Received		
Completed Date:	10/28/2011		
Comments:	Not reported		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Site Characterization Report 04/25/2012 Additional soil sampling and analysis conducted in support of the remedial design. Email message sent to PG&E concurring with the responses and clarifying that in the RTC to 2a, the trench logs for SB-31 and SB-37 don't mention encountering the tank ring. Therefore, there isn't documentation in the report to support the text on page 4 which notes no apparent staining and concrete in good condition.		

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# PG & E

& E HUNTERS POINT (Continued)		
	However, the tank ring will likely be exposed during the Area B-South soil excavation, so this isn't a significant issue.	
Completed Area Name:	Area A	
Completed Sub Area Name:	Not reported	
Completed Document Type:	*Correspondence - Received	
Completed Date:	11/16/2011	
Comments:	Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 12/05/2011 DTSC verbally approved the installation of five groundwater monitoring wells to replace the 13 wells abandoned in Areas A, B, C, D, and I. DTSC will review the sampling results and groundwater flow directions. Based upon the results, additional monitoring wells may be required. Wells are to be reinstalled and sampled by the end of January 2012.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Other Report	
Completed Date:	06/20/2012	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Other Report	
Completed Date:	07/18/2012	
Comments:	Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 10/01/2012 Report documents sampling conducted in April 2012. MW-22 & JSPMW-4 contained measurable petroleum product and were not sampled. Results generally consistent with the November 2011 monitoring event. Next sampling event scheduled for October 2012.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 05/23/2013 Report documents October 2012 sampling event. Wells MW-13 and WCPMW-10 contained measurable product.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	07/18/2012	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Technical Report	

Database(s)

EDR ID Number EPA ID Number

S100351554

# PG & E HUNTERS POINT (Continued)

Completed Date:	06/07/2012
Comments:	Not reported
Completed Area Name:	Jennings Street and White Cap Area
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	06/07/2012
Comments:	Not reported
Completed Area Name:	Area J
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	04/06/2012
Comments:	Work Plan submitted to DTSC for its files. No review requested.
Completed Area Name:	Area I
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan w/ESD
Completed Date:	08/20/2012
Comments:	DTSC approved the Area I RAP Amendment for public comment.
Completed Area Name:	Area I
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	07/10/2012
Comments:	Not reported
Completed Area Name:	Area B
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	11/30/2012
Comments:	Site restoration activities completed.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Work Notice 06/20/2012 Work Notice announcing the potential for the contractor to work on Saturdays is being sent to potentially impacted individuals, businesses and key community contacts.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Well Installation Workplan 07/12/2012 DTSC approved installation of three additional groundwater monitoring wells on the adjacent White Cap property to better delineate the extent of the petroleum hydrocarbon groundwater plume.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area I Not reported Public Notice 07/10/2012 Public Notice to run in the San Francisco Chronicle and Sun Reporter on 7/13/2012.
Completed Area Name:	PROJECT WIDE

Database(s)

EDR ID Number EPA ID Number

PG & E HUNTERS POINT (Contin Completed Sub Area Name:	nued) Not reported	S10035155
Completed Document Type: Completed Date: Comments:	Other Report 08/21/2012	
comments.	During the reporting period, there was two TEM test reports (July 10th, and July 24th 2012) for airborne asbestos that exceeded 0.016 s/cc., the trigger level established for this project. Corrective actions were taken and asbestos levels returned to below the trigger level in each instance. All other air samples during this time frame were below the monitoring goals.	
Completed Area Name:	Area B	
Completed Sub Area Name: Completed Document Type: Completed Date:	Not reported Design/Implementation Workplan 09/05/2012	
Comments:	Not reported	
Completed Area Name: Completed Sub Area Name:	Area B Not reported	
Completed Document Type:	Design/Implementation Workplan	
Completed Date: Comments:	09/05/2012 Not reported	
Completed Area Name:	Area B	
Completed Sub Area Name: Completed Document Type:	Not reported Technical Report	
Completed Date: Comments:	09/05/2012 Not reported	
Completed Area Name:	Jennings Street and White Cap Area	
Completed Sub Area Name: Completed Document Type:	Not reported Site Characterization Workplan	
Completed Date: Comments:	09/06/2012 Not reported	
Completed Area Name:	Area E	
Completed Sub Area Name: Completed Document Type:	Not reported Site Characterization Workplan	
Completed Date:	11/29/2012	
Comments:	Not reported	
Completed Area Name: Completed Sub Area Name:	Area B Not reported	
Completed Document Type:		
Completed Date: Comments:	11/09/2012 DTSC approves the implementation of the soil vapor sampling plan with modifications specified in the letter that were agreed upon between DTSC and PG&E.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name: Completed Document Type:	Not reported Technical Report	
Completed Date: Comments:	10/01/2012 During the August 2012 reporting period, there were two TEM test	
Commenta.	reports for airborne asbestos that were reported as overloaded by	
	Asbestos TEM Laboratories, INC. Testing protocols require that any sample with >20% loading is considered oOverloadedo. On Tuesday	
	August 7th, 2012, AMS-7D had a particulate loading of >20% with	

EDR ID Number Database(s) EPA ID Number

PG & E HUNTERS POINT (Continued)

	non-mineral fibers which is consistent with the hydroseal application which took place at that time. A heavy layer of hydroseal soil tacking material was applied to control dust during the sampling time frame. The airborne respirable dust (mg/m3) analyzed by Dustrak photometer during the work day had a maximum reading of 0.052 mg/m3 which is below the project goal. On Thursday August 16th, 2012 AMS 7D had a particulate loading of 40% consisting of gypsum, clay and fine grain quartz particulate. Clean import fill was being stock piled in the vicinity of AMS 7D during the sample time frame. The airborne respirable dust analyzed by Dustrak photometer had a maximum reading of 0.135 mg/m3 which is below the project goal. In order to minimize particulate loading in the future, all clean import fill will be stockpiled at least 75 feet from the AMS and additional misting and dust spray will be employed during stockpiling. All other air samples during this time frame were below the monitoring goals.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 10/30/2012 Bi-weekly asbestos reports and the monthly air monitoring reports are accepted.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area I Not reported Technical Workplan 10/12/2012 Approved installation of four replacement monitoring wells in Area I.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Workplan 06/13/2013 Conditional approval provided.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Workplan 11/01/2012 Approved workplan for groundwater sampling during the second semiannual 2012 monitoring event with one modification.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	SITES WITH NO OPERABLE UNIT Former Utility Tunnel underneath Evans Avenue between Areas A and J Technical Report 12/18/2012 Letter Report documents PG&E's observations and the response actions implemented to address an apparent petroleum hydrocarbon release observed on December 5, 2012 in the utility tunnel beneath Evans Avenue adjacent to the PG&E Hunters Point Site.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 01/30/2013 Not reported

Database(s)

EDR ID Number EPA ID Number

PG & E HUNTERS POINT (Continued)		S
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area E Not reported Fieldwork 04/05/2013 field work completed.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Jennings Street and White Cap Area Not reported Work Notice 03/20/2013 Work Notice for the upcoming groundwater treatment work. Work will start at the beginning of April with the installation of injection wells on portions of Jennings Street and the White Cap Construction property. Groundwater will then be treated with a treatment agent called Regenox to break down the petroleum hydrocarbons into safe water-soluble compounds.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	SITES WITH NO OPERABLE UNIT Former Utility Tunnel underneath Evans Avenue between Areas A and J Technical Report 03/28/2013 A petroleum sheen was noted on water emanating from the Plant Western end of a former utility tunnel that runs beneath Evans Avenue on December 5, 2012. After removing the water and cleaning the pavement, soil and water samples were subsequently collected beneath and alongside the Plant Western end of a former utility tunnel to determine whether there was a significant source of petroleum hydrocarbons in groundwater or in the soils/bedrock immediately underlying a former utility tunnel that could have caused this release. Petroleum hydrocarbons were not detected or were detected at low concentrations well below the 3,129 mg/kg TPH remedial action goal established for soil at the site. Therefore, no significant TPH source was found in groundwater or soils/bedrock immediately underlying the tunnel. PG&E will continue to monitor conditions in the tunnel as part of the ongoing stormwater monitoring program established in the Stormwater Pollution Prevention Plan.	ı
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 09/05/2013 Report documents the results from the first quarter 2013 sampling event that took place March 28 and 29, 2013. Water levels were measured in 53 monitoring wells and 12 monitoring wells were sampled for analytical testing. The report also documents the operation and maintenance of the Area B-South short-term capture system.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Area B Not reported Technical Report 01/06/2014 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	Area B Not reported Site Characterization Report 09/17/2013	

Database(s)

EDR ID Number EPA ID Number

#### PG & E HUNTERS POINT (Continued) S100351554 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Long Term Monitoring Report Completed Date: 10/22/2013 Comments: DTSC accepts the report. Report has been adequately revised to address our comments. Completed Area Name: Area B Completed Sub Area Name: Not reported Completed Document Type: Remedial Action Implementation Workplan Completed Date: 10/22/2013 Comments: Not reported Completed Area Name: **PROJECT WIDE** Not reported Completed Sub Area Name: Completed Document Type: Long Term Monitoring Report Completed Date: 11/11/2013 Comments: Report accepted. No reoccurrence of free petroleum product noted in Areas C/D or B-South. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 01/06/2014 Comments: Not reported Completed Area Name: Area E Completed Sub Area Name: Not reported Technical Workplan Completed Document Type: Completed Date: 04/04/2014 Comments: Not reported Jennings Street and White Cap Area Completed Area Name: Not reported Completed Sub Area Name: Technical Workplan Completed Document Type: Completed Date: 03/17/2014 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Amendment - Order/Agreement 07/08/2008 Completed Date: Comments: VCA amended to add two additional areas (I & J) and to update cost estimate. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported AB 2061 - Designation Completed Document Type: Completed Date: 08/29/2008 Comments: Site Designation Committee approved PG&E's application requesting that Assessor Parcel Number 4570-024 be added to the previous designation specified in Resolution Number 07-05 (designated on June 28, 2007 and including APN(s) 4571-001, 4580-002, 4603A-005, 4623A-002 and 4647A-010) and that the Administering Agency continue to be DTSC.

Database(s)

EDR ID Number EPA ID Number

## PG & E HUNTERS POINT (Continued)

& E HUNTERS POINT (Continued) S10035		S100351554
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Annual Oversight Cost Estimate 10/30/2012 Cost estimate for project codes 201724 and 201869	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Amendment - Order/Agreement 08/17/2012 VCA Amended to clarify property included in the VCA and to add portion of PG&E substation property formerly used by Habitat for Humanity as a laydown area.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Amendment - Order/Agreement 12/11/2013 Voluntary Cleanup Agreement was amended to modify the boundaries of Area E.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Correspondence 12/17/2013 DTSC concurred with 1) discontinuing groundwater monitoring in Areas B-North, B-Central, and D; 2) abandonment of monitoring wells MW-3, MW-23, MW-24 and MW-25; and 3) abandonment of monitoring well MW if it is not required to monitor conditions downgradient of MW-27 in Area C.	-26
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported * Discovery 08/14/1981 FACILITY IDENTIFIED FROM RWQCB FILES	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Annual Oversight Cost Estimate 11/09/2011 2011/2012 DTSC Oversight Cost Estimate sent to PG&E	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Voluntary Cleanup Agreement 03/27/2007 Entered into Voluntary Cleanup Agreement Docket No. HSA-VCA 06/07- with Pacific Gas & Electric Company for the investigation and cleanup of the Hunters Point Power Plant Site.	144
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Initial Study/ Neg. Declaration 06/10/2010 Not reported	
Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

## PG & E HUNTERS POINT (Continued)

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Notice of Exemption 11/30/2009 Notice of Exemption for the Time-Critical Removal Action to install product skimming trenches at the PG&E HPPP Site to remove floating product from the water table.
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Sub Area Name: Future Sub Area Name: Future Due Date: Future Due Date: Future Due Date: Future Sub Area Name: Future Sub Area Name: Future Due Date: Future Sub Area Name: Future Sub Area Name: Future Due Date: Future Due Date: Future Sub Area Name: Future Due Date: Future Due Date: Future Due Date: Future Sub Area Name: Future Sub Area Name: Future Due Date: Future Due Date: Future Due Date: Future Due Date: Future Sub Area Name: Future Sub Area Name: Schedule Area Name: Schedule Area Name: Schedule Area Name: Schedule Revised Date: Schedule Revised Date: Schedule Sub Area Name: Schedule Sub Area Name: Schedule Sub Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Sub Area Name: Schedule Sub Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Due Date: Schedule Revised Date: Schedule Due Date:	product skimming trenches at the PG&E HPPP Site to remove floating
Schedule Area Name: Schedule Sub Area Name: Schedule Document Type:	Area B Not reported Certification 06/25/2014
Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name:	Not reported Area E Not reported

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	Schedule Due Date: 05/31	edial Investigation Report /2014 eported		S100351554
F17 SSW 1/4-1/2 0.409 mi. 2159 ft.	COMMERCIAL PROPERTY 50 CRISP ROAD SAN FRANCISCO, CA 94124 Site 1 of 3 in cluster F		LUST	S103964323 N/A
Higher Actual: 25 ft.	Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number:	STATE T0607591197 37.727803 -122.3817223 LUST Cleanup Site Completed - Case Closed 09/18/2000 SAN FRANCISCO COUNTY LOP SC SAN FRANCISCO COUNTY LOP 38-2046		
	LOC Case Number: File Location: Potential Media Affect: Potential Contaminants of Concern: Site History: Click here to access the California G	11431 Not reported Soil Diesel Not reported		
	Contact: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T0607591197 Local Agency Caseworker STEPHANIE CUSHING SAN FRANCISCO COUNTY LOP 1390 MARKET STREET #210 SAN FRANCISCO stephanie.cushing@sfdph.org Not reported		
	Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T0607591197 Regional Board Caseworker VIC PAL SAN FRANCISCO BAY RWQCB (REGION 2) 1515 CLAY STREET, SUITE 1400 OAKLAND vpal@waterboards.ca.gov Not reported		
	Status History: Global Id: Status: Status Date: Global Id: Status: Status Date:	T0607591197 Open - Case Begin Date 08/24/2000 T0607591197 Completed - Case Closed 09/18/2000		

Database(s)

EDR ID Number EPA ID Number

### **COMMERCIAL PROPERTY (Continued)**

Regulatory Activities:	
Global Id:	T0607591197
Action Type:	ENFORCEMENT
Date:	02/06/2001
Action:	Notice of Responsibility

Global Id: Action Type: Date: Action:

Global Id: Action Type: Date: Action:

COMMERCIAL PROPERTY

SAN FRANCISCO, CA 94124

T0607591197 Other 01/01/1950 Leak Discovery

T0607591197 Other 01/01/1950 Leak Reported

## S103964323

LUST S105194750 N/A

SSW 1/4-1/2 0.409 mi.

F18

#### 2159 ft. Site 2 of 3 in cluster F

**50 CRISP ROAD** 

Relative: Higher	LUST REG 2: Region:	2	
5	Facility Id:	38-2046	
Actual:	Facility Status:	Case Closed	
25 ft.	Case Number:	11431	
	How Discovered:	Not reported	
	Leak Cause:	Not reported	
	Leak Source:	Not reported	
	Date Leak Confirmed:	Not reported	
	Oversight Program:	LUST	
	Prelim. Site Assesment	Wokplan Submitted:	Not reported
	Preliminary Site Assesr	nent Began:	Not reported
	Pollution Characterizati	on Began:	Not reported
	Pollution Remediation F		Not reported
	Date Remediation Actio	,	Not reported
	Date Post Remedial Ac	tion Monitoring Began	: Not reported

### F19 COMMERCIAL

SSW 1/4-1/2 0.409 mi.	50 CRISP ROAD SAN FRANCISCO, CA 94124	
2159 ft.	Site 3 of 3 in cluster F	
Relative:	SAN FRANCISCO CO. LUST Region:	SAN FRANCISCO
Higher	Facility ID:	02-101-009
Actual: 25 ft.	Facility Status: Case Number:	Case Closed 11431
	Case Type: Release Date:	Soil only Not reported
	Discovered Date: Substance:	8/24/2000 Diesel
	Substance Qty:	Not reported

LUST S105627936 N/A

Database(s)

EDR ID Number EPA ID Number

#### **COMMERCIAL** (Continued)

How Discovered: Tank Closure How Stopped: Close Tank Report Date: 9/18/2000 Case Closed: 2/13/2001 Closed Date: Not reported Leak Source: Tank Leak Cause: Unknown Leak Confirmed: 8/24/2000 Entered Date: 2/6/2001 Number of Wells: Not reported Regional Board: San Francisco Bay Region Local Agency: 38000 Local Agency Lead Agency: Program: LOP Responsible Party: Not reported RP Address: Not reported Ted Lowpensky Operator: Staff Initial: VP Facility Staff: SC Griffith Cross Street: NOR Date: Not reported MTBE Current: Not reported MTBE Current Date: 8/2/400 MTBE: YES Maximum MTBE Soil: 0.05 Maximum MTBE GW: Not reported MTBE DATE: 8/2/400 Review Date: 2/13/2001 Workplan Submitted: Not reported Not reported Assessment Underway: Pollution Characterization: Not reported Corrective Action Plan: Not reported Remediation Underway: Not reported Monitoring Begun: Not reported Funding: Federal Interim Remediation: No Low Priority Site Priority: Abatement: Excavate and Dispose - remove contaminated soil and dispose in approved site Enforcement Type: NOR 2/6/2001 Enforcement Due Date: Basin: ISLAIS Beneficial Use: No Lat/Long: Not reported CUFID: Not reported Suspended: No Stopped Date: 8/24/2000 Free Product: Not reported Depth to Grnd Wtr: Not reported Gradient: Not reported Benzene: Not reported Primary Substance: Not reported Enforcement Type: Not reported Amount of Free Produce: Not reported Benzene Test: YES Maximum Soil GW: Not reported Max Soil Concentration: Not reported

COMMERCIAL (Continued)

Database(s)

EDR ID Number EPA ID Number

	TPH Tested: Max TPH GW: Max TPH Soil: TPH Date: Block: Lot: Notify: TPH Current: TPH Current Date: Grnd Wtr Qualifier: Soil Qualifier: Comments: Summary:	YES Not reported 4.2 8/24/2000 Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported		
20 NNW 1/4-1/2 0.499 mi. 2634 ft.	P G & E HUNTER'S POINT F SAN FRANCISCO, CA	POWER PLANT	SLIC	S106610988 N/A
Relative:	SLIC REG 2: Region: 2			
Lower Actual:	Facility ID: SL37	6221199 eported		
11 ft.	Date Closed: Not re Local Case #: Not re How Discovered: Not re Leak Cause: Not re Leak Source: Not re Date Confirmed: Not re Date Prelim Site Assmm Date Preliminary Site As Date Pollution Characte Date Remediation Plan Date Remedial Action L	eported eported eported eported eported eported t Workplan Submitted: Not reported ssessment Began: Not reported rization Began: Not reported Submitted: Not reported		
21 WSW 1/2-1 0.713 mi. 3764 ft.	BAYVIEW PLUME STUDY A NEAR INTERSECTION OF S SAN FRANCISCO, CA 9412	HAFTER AVENUE AND HAWES STREET	Cortese RESPONSE ENVIROSTOR	S107735890 N/A
Relative: Higher	CORTESE: Region:	CORTESE		
Actual:	Envirostor Id: Site/Facility Type:	70000015 STATE RESPONSE		
22 ft.	Cleanup Status: Status Date: Site Code: Latitude: Longitude: Owner: Enf Type: Swat R: Flag:	BACKLOG 07/26/2011 201572 37.726956 -122.38348 Not reported Not reported Not reported export		

Database(s)

EDR ID Number EPA ID Number

#### S107735890

### BAYVIEW PLUME STUDY AREA (Continued)

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

### RESPONSE:

Facility ID:70000015Site Type:State ResponseSite Type Detail:State Response or NPL	
Acres: 10	
National Priorities List: NO	
Cleanup Oversight Agencies: SMBRP	
Lead Agency Description: DTSC - Site Cleanup Progra	m
Project Manager: Juanita (Nina) Bacey	
Supervisor: Karen Toth	
Division Branch: Cleanup Berkeley	
Site Code: 201572	
Site Mgmt. Req.: NONE SPECIFIED	
Assembly: 17	
Senate: 11	
Special Program Status: Not reported	
Status: Backlog Status Date: 07/26/2011	
Restricted Use: NO	
Funding: Orphan Funds	
Latitude: 37.72695	
Longitude: -122.3834	
APN: NONE SPECIFIED	
Past Use: DRY CLEANING	
Potential COC : Tetrachloroethylene (PCE	
Confirmed COC: Tetrachloroethylene (PCE	
Potential Description: OTH, SV	
Alias Name: 110033618020	
Alias Type: EPA (FRS #)	
Alias Name: 201572	
Alias Type: Project Code (Site Code)	
Alias Name: 70000015	
Alias Type: Envirostor ID Number	
Completed Info:	
Completed Area Name: PROJECT WIDE	
Completed Sub Area Name: Not reported	
Completed Document Type: Correspondence	
Completed Date: 01/04/2011	
Comments: Not reported	
Completed Area Name: PROJECT WIDE	
Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported	
Completed Document Type: Correspondence	
Completed Date: 12/01/2000	
Comments: Responses for Various sites	
Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported	

**BAYVIEW PLUME STUDY AREA (Continued)** 

MAP FINDINGS

EDR ID Number Database(s)

S107735890

**EPA ID Number** 

#### Completed Document Type: State/Federal Funded Site Work Order Completed Date: 09/15/2009 Comments: Work Order-001 for a field investigation of the Bayview Plume, including a workplan, field work, and a technical memo. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: State/Federal Funded Site Work Order Completed Date: 05/17/2006 Comments: Work Order Amendment #3 issued to Weiss Assocuiates for additional sampling PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: State/Federal Funded Site Contract Completed Date: 06/04/2009 Comments: Fully executed on June 4, 2009 Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Remedial Investigation Workplan Completed Date: 09/01/2005 Comments: Remedial Investigation Workplan approved. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 01/19/2006 Comments: Technical memorandum approved showing higher VOC concentrations in soil gas at depth. Additional investigation recommended. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fieldwork Completed Date: 01/06/2006 Comments: Groundwater sampling completed. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 03/10/2006 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Fieldwork Completed Date: 01/05/2007 Comments: Fieldwork was soil sampling in area around Revere and Jenning Streets to look for the source area of the plume. Completed Area Name: **PROJECT WIDE** Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 04/02/2007 Comments: Levels were detected above CHHSLs value. Based on the results it appears to be related to volatilization of groundwater. No source has been identifed to date.

Database(s)

EDR ID Number EPA ID Number

### BAYVIEW PLUME STUDY AREA (Continued)

Completed Area Name: Completed Sub Area Nar Completed Document Ty Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Nai Completed Document Ty Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Nai Completed Document Ty Completed Date: Comments:		
Completed Area Name: Completed Sub Area Nai Completed Document Ty Completed Date: Comments:		
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Nam Schedule Document Typ Schedule Due Date: Schedule Revised Date:	•	
ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude: Longitude:	70000015 Backlog 07/26/2011 201572 State Response State Response or NPL 10 NO SMBRP SMBRP Juanita (Nina) Bacey Karen Toth Cleanup Berkeley 17 11 Not reported NO NONE SPECIFIED Orphan Funds 37.72695 .122.3834	

Database(s)

EDR ID Number EPA ID Number

YVIEW PLUME STUDY AR	EA (Continued)	S107735890
APN:	NONE SPECIFIED	
Past Use:	DRY CLEANING	
	Tetrachloroethylene (PCE	
	Tetrachloroethylene (PCE	
	OTH, SV	
Alias Name:	110033618020	
Alias Type:	EPA (FRS #)	
Alias Name:	201572	
Alias Type:	Project Code (Site Code)	
Alias Name:	7000015	
Alias Type:	Envirostor ID Number	
Completed Info:		
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Nam	e: Not reported	
Completed Document Typ	e: Correspondence	
Completed Date:	01/04/2011	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Nam		
Completed Document Typ	•	
Completed Date:	12/01/2000	
Comments:	Responses for Various sites	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Nam	e: Not reported	
Completed Document Typ	e: State/Federal Funded Site Work Order	
Completed Date:	09/15/2009	
Comments:	Work Order-001 for a field investigation of the Bayview Plume,	
	including a workplan, field work, and a technical memo.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Nam	e: Not reported	
Completed Document Typ	e: State/Federal Funded Site Work Order	
Completed Date:	05/17/2006	
Comments:	Work Order Amendment #3 issued to Weiss Assocuiates for additional sampling	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Nam		
Completed Document Typ		
Completed Date:	06/04/2009	
Comments:	Fully executed on June 4, 2009	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Nam		
Completed Document Typ	•	
Completed Date:	09/01/2005	
Comments:	Remedial Investigation Workplan approved.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Nam		
Completed Document Typ	•	
Completed Date:	01/19/2006	
Comments:	Technical memorandum approved showing higher VOC concentrations in soil gas at depth. Additional investigation recommended.	

Database(s)

EDR ID Number EPA ID Number

#### BAYVIEW PLUME STUDY AREA (Continued)

VIEW PLUME STUDY AREA	(Continued)
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	01/06/2006
Comments:	Groundwater sampling completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	03/10/2006
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fieldwork 01/05/2007 Fieldwork was soil sampling in area around Revere and Jenning Streets to look for the source area of the plume.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 04/02/2007 Levels were detected above CHHSLs value. Based on the results it appears to be related to volatilization of groundwater. No source has been identifed to date.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	10/31/2006
Comments:	Approved for two mobilizations.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Workplan 05/19/2010 Workplan is approved by email. Work will be scheduled the week of June 21, 2010.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	07/02/2010
Comments:	All field work completed. (6/21 - 7/2)
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	01/03/2011
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

Map ID Direction			MAP FINDINGS		
Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
	BAYVIEW PLUME STUDY A Schedule Sub Area Nat Schedule Document Ty Schedule Due Date: Schedule Revised Date	me: Not re pe: Not re Not re	inued) eported eported eported eported		S107735890
22 WSW 1/2-1 0.765 mi. 4041 ft. Relative: Higher	BAY AREA DRUM COMPAN 1212 THOMAS AVENUE SAN FRANCISCO, CA 9412			HIST Cal-Sites CA BOND EXP. PLAN HIST CORTESE LUST SLIC LIENS RESPONSE ENVIROSTOR	N/A
Actual: 21 ft.	Calsite: Region: Facility ID: Facility Type: Type: Branch: Branch Name: File Name: State Senate District: Status: Status Name: Lead Agency: NPL: SIC Code: SIC Name: Access: Cortese: Hazardous Ranking Scc Date Site Hazard Ranko Groundwater Control E Region Water Control E Lat/Long Direction: Lat/Long Method: Lat/Long Method: Lat/Long Description: State Assembly District State Senate District Co Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to comp Estimated Size: Request to Delete Activ Activity Status: Definition of Status: Liquids Removed (Gals	NC NORTH C Not report 06302003 CERTIFIE DEPT OF Not Listed 28 MANU - C Controlled Not report ore: ed: ation: ble for Site: Board: Board Name: Code: ode:	SIBLE PARTY COAST ed D AS HAVING BEEN REMEE D TOXIC SUBSTANCES CONT HEMICALS & ALLIED PROD		SC OVERSIGHT

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

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 38280112 Facility ID: Activity: ORDER I/SE, IORSE, FFA, FFSRA, VCA, EA Activity Name: AWP Code: Not reported Proposed Budget: AWP Completion Date: Not reported Revised Due Date: Not reported 06301986 Comments Date: Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED 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 38280112 Facility ID: Activity: FDNC Activity Name: FINAL DETERMINATION OF NON-COMPLIANCE AWP Code: Not reported Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 08301986 Est Person-Yrs to complete: 0 Estimated Size: Not reported Not reported Request to Delete Activity: CERT Activity Status: Definition of Status: CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: Action Included Fencing: Not reported Not reported Removal Action Certification: Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0

Database(s)

EDR ID Number EPA ID Number

#### BAY AREA DRUM COMPANY (Continued)

Unknown Type: 0 38280112 Facility ID: Activity: SS Activity Name: SITE SCREENING AWP Code: Not reported Proposed Budget: 0 Not reported AWP Completion Date: Not reported Revised Due Date: Comments Date: 03101987 Est Person-Yrs to complete: 0 Estimated Size: Not reported Not reported Request to Delete Activity: Activity Status: CERT Definition of Status: CERTIFIED 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: 38280112 Activity: ORDER Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA AWP Code: IS&E Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 06301987 Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported Activity Status: CERT CERTIFIED Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Not reported Removal Action Certification: Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 38280112 Activity: ERA EXPEDITED RESPONSE ACTION Activity Name: AWP Code: SOIL Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 02281988

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals):

Action Included Capping:

0 Not reported Not reported CERT CERTIFIED 0 0 Not reported Not reported Not reported Not reported Not reported 0 0 0 0 38280112 RA **REMOVAL ACTION** DRUMS 0 Not reported Not reported 08291990 0 Not reported Not reported CERT CERTIFIED 0 0 Not reported Not reported Not reported Ν REMOVAL OF DRUMMED SOILDS AND LIQUIDS. 214 DRUMS AND 2,960 GALLONS OFWASTE REMOVED. 0 0 0 0 38280112 COST COST RECOVERY Not reported 0 Not reported Not reported 09301990 0 Not reported Not reported CERT CERTIFIED

0

0

Not reported

Database(s)

EDR ID Number EPA ID Number

### BAY AREA DRUM COMPANY (Continued)

Well Decommissioned:	Not reported
Action Included Fencing: Removal Action Certification:	Not reported Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38280112
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	BLDG
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01281992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals): Action Included Capping:	0 Not reported
Well Decommissioned:	Not reported 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:	38280112
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0 Not reported
AWP Completion Date: Revised Due Date:	Not reported
Comments Date:	Not reported 01311992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
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: For Industrial Reuse:	0 0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38280112

EDR ID Number **EPA ID Number** 

Database(s)

#### **BAY AREA DRUM COMPANY** (Continued)

Activity:

Activity Name: AWP Code:

Proposed Budget:

Revised Due Date: Comments Date:

Estimated Size:

Activity Status:

Definition of Status:

Activity Comments:

For Industrial Reuse:

Unknown Type:

Activity Name:

Proposed Budget:

Revised Due Date:

Comments Date:

Estimated Size:

Activity Status: Definition of Status:

Activity Comments:

For Industrial Reuse:

Unknown Type:

Activity Name:

Proposed Budget:

Revised Due Date:

Comments Date:

Estimated Size:

AWP Code:

Facility ID:

Activity:

AWP Code:

Facility ID:

Activity:

FRIFS FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY VACAN 0 AWP Completion Date: Not reported Not reported 05081992 Est Person-Yrs to complete: 0 Not reported Request to Delete Activity: Not reported CERT CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: Action Included Fencing: Not reported Removal Action Certification: Not reported Not reported For Commercial Reuse: 0 0 0 For Residential Reuse: 0 38280112 PRP POTENTIAL RESPONSIBLE PARTY SEARCH ENHAN 0 AWP Completion Date: Not reported Not reported 08271992 Est Person-Yrs to complete: 0 Not reported Request to Delete Activity: Not reported CERT CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: Action Included Fencing: Not reported Removal Action Certification: Not reported Not reported 0 For Commercial Reuse: 0 For Residential Reuse: 0 0 38280112 RA REMOVAL ACTION DRUMS 0 AWP Completion Date: Not reported Not reported 10211993 Est Person-Yrs to complete: 0 Not reported

Database(s)

EDR ID Number EPA ID Number

### BAY AREA DRUM COMPANY (Continued)

Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
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:	SEVEN 55-GALLON DRUMS OF CONTAMINATED GROUNDWATER REMOVED.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0 0
Unknown Type:	
Facility ID: Activity:	38280112 COST
Activity Name:	COST RECOVERY
AWP Code:	BANKR
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11101993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
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 0
For Residential Reuse: Unknown Type:	0
Facility ID:	38280112
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	CONSE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03141996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
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

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 38280112 Activity: ORDER Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA AWP Code: ENFOR Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported 04041996 Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: CERT CERTIFIED Definition of Status: Liquids Removed (Gals): 0 0 Liquids Treated (Gals): Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Not reported Not reported Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 0 Unknown Type: Facility ID: 38280112 Activity: RIFS Activity Name: **REMEDIAL INVESTIGATION / FEASIBILITY STUDY** AWP Code: Not reported Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 03222000 Est Person-Yrs to complete: 0 Not reported Estimated Size: Not reported Request to Delete Activity: Activity Status: CERT Definition of Status: CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: 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 0 Unknown Type: Facility ID: 38280112 Activity: RAP Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION AWP Code: Not reported

Database(s)

EDR ID Number EPA ID Number

Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): 0 0 Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 0 Unknown Type: Facility ID: Activity: DES Activity Name: AWP Code: Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): 0 0 Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: Activity: Activity Name: AWP Code: SITE Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: CERTIFIED

Not reported Not reported 08142000 Not reported Not reported CERT CERTIFIED Not reported Not reported Not reported Not reported Not reported 38280112 DESIGN Not reported Not reported Not reported 07022001 Not reported Not reported CERT CERTIFIED Not reported Not reported Not reported Not reported Not reported 38280112 RMDL REMEDIAL ACTION (RAP REQUIRED) Not reported Not reported 06042002 Not reported Not reported CERT

Database(s)

EDR ID Number EPA ID Number

Liquids Removed (Gals):	5500
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Х
Action Included Fencing:	Not reported
Removal Action Certification:	Ν
Activity Comments:	REMEDIATION INCLUDE SOIL EXCAVATION TO CLEANUP GOALS, REMOVAL OF
	AND 2100 GALLONS OF WATER. INSITU GROUNDWATER TREATED WASALSO PERFORMED. GROUNDWATER MONITORING WILL CONTINUE.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38280112
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
1 0	
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06302003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
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:	2
	0
Unknown Type:	38280112
Facility ID:	
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	SETTL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12031997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
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

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 38280112 Activity: RAW Activity Name: REMOVAL ACTION WORKPLAN AWP Code: BYARD Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported 12221998 Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Not reported Action Included Capping: Not reported Well Decommissioned: 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 38280112 Facility ID: Activity: CEQA Activity Name: CEQA INCLUDING NEGATIVE DECS AWP Code: NOE Proposed Budget: 0 AWP Completion Date: Not reported Not reported Revised Due Date: Comments Date: 12221998 Est Person-Yrs to complete: 0 Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: CERT CERTIFIED Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Not reported Action Included Fencing: Removal Action Certification: Not reported Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 0 For Residential Reuse: Unknown Type: 0 38280112 Facility ID: Activity: COST Activity Name: COST RECOVERY AWP Code: SETTL Proposed Budget: 0

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 0 For Industrial Reuse: For Residential Reuse: 0 Unknown Type: 0 Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: CERTIFIED Liquids Removed (Gals): 0

Not reported Not reported 03191999 Not reported Not reported CERT CERTIFIED Not reported Not reported Not reported Not reported Not reported 38280112 CEQA CEQA INCLUDING NEGATIVE DECS NEG'D Not reported Not reported 08142000 Not reported Not reported CERT CERTIFIED Not reported Not reported Not reported Not reported Not reported 38280112 COST COST RECOVERY LIEN Not reported Not reported 08092000 Not reported Not reported CERT

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

Liquids Treated (Gals): 0 Not reported Action Included Capping: 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 38280112 Facility ID: Activity: ORDER I/SE, IORSE, FFA, FFSRA, VCA, EA Activity Name: AWP Code: ISE Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported 01172001 Comments Date: Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED 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 38280112 Facility ID: Activity: RA Activity Name: **REMOVAL ACTION** AWP Code: BKYD Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 06042002 Est Person-Yrs to complete: 0 Estimated Size: Not reported Not reported Request to Delete Activity: Activity Status: CERT Definition of Status: CERTIFIED Liquids Removed (Gals): 1000 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Ν Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

Unknown Type: 0 38280112 Facility ID: Activity: COST Activity Name: COST RECOVERY AWP Code: SETTL Proposed Budget: 0 AWP Completion Date: Not reported Not reported Revised Due Date: Comments Date: 07112001 Est Person-Yrs to complete: 0 Estimated Size: Not reported Not reported Request to Delete Activity: Activity Status: CERT Definition of Status: CERTIFIED 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: 38280112 Activity: OM Activity Name: **OPERATION & MAINTENANCE** AWP Code: PLAN Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 02142002 Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported Activity Status: CERT CERTIFIED Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Not reported Removal Action Certification: Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 38280112 Activity: COST Activity Name: COST RECOVERY AWP Code: SETTL Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 10142003

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Not reported Removal Action Certification: Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 **1212 THOMAS AVENUE** Alternate Address: Alternate City, St, Zip: SAN FRANCISCO, CA 94124 Background Info: Drum reconditioning operations were conducted at this site from approximately 1948 to 1987. The drum reconditioning process typically involve significant spillage of cleaning rinsate and drum residues onto floors and in areas of drum storage. Comments Date: 02142002 Comments: Approved O&M Plan. Comments Date: 02281988 Comments: Completed ERA. The expedited response action involved the Comments Date: 02281988 Comments: removal of soil from some adjacent backyards and vacant lot. Comments Date: 03101987 Comments: Completed Site Screening. Elevated levels of lead, copper, Comments Date: 01172001 Comments: Issued I&SE Determination and RAO ordering the removal of Comments Date: 01172001 Comments: above-ground material, equipment and/or debris and structures on Comments Date: 01172001 the property. Comments: Comments Date: 01281992 Comments: Completed Focused RIFS. In 1988 and 1989, DTSC's contractor Comments Date: 01281992 conducted a Phase II remedial investigation of contamination Comments: Comments Date: 01281992 Comments: remaining in site soil and groundwater, including the Comments Date: 01281992 installation of 10 additional groundwater monitoring wells. In Comments: Comments Date: 01281992 Comments: 1990, DTSC arranged for off-site treatment of over 2,000 gallons Comments Date: 01281992 Comments: of contaminated groundwater generated during site well Comments Date: 01281992 Comments: development and sampling activities. Comments Date: 01311992 Comments: Completed Public Participation Plan. Comments Date: 03101987 cadmium, PCBs, and volatile organic compounds (VOCs) were found Comments: Comments Date: 03101987 Comments: in soil and groundwater. In addition to finding contamination 03101987 Comments Date:

EDR ID Number Database(s) EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

AREA DRUW COMPAN	r (Continued)
Comments: Comments Date:	in on-site soils and groundwater, contamination was found in the 03101987
Comments:	soils of some adjacent residential backyards, and in the soils
Comments Date:	03101987
Comments:	and groundwater of an adjacent vacant lot.
Comments Date:	03141996
Comments:	Issued Consent Order to perform remedial investigation
Comments Date:	03141996
Comments: Comments Date:	activities, prepare a remedial investigation report, risk 03141996
Comments:	assessment, feasibility study and a draft Remedial Action Plan.
Comments Date:	03222000
Comments:	Completed RIFS. In August 1995, DTSC oversaw flux-chamber air
Comments Date:	03222000
Comments:	sampling and groundwater monitoring performed by a group of
Comments Date:	03222000
Comments:	potential responsible parties (PRP Group). In May 1997, DTSC
Comments Date:	03222000
Comments:	approved a Baseline Risk Assessment (RA). The RA found that 03222000
Comments Date: Comments:	risk to human health would be above levels considered safe under
Comments Date:	03222000
Comments:	a potential future residential use scenario. Therefore,
Comments Date:	03222000
Comments:	remedial action would be necessary to allow unrestricted use of
Comments Date:	03222000
Comments:	the site. Sampling was conducted in the eight residential
Comments Date:	03222000
Comments:	backyards adjacent to the Site in December 1997 and April 1998.
Comments Date: Comments:	03222000 Elevated levels of lead, PCBs and thallium were found.
Comments Date:	03222000
Comments:	Additional investigation activities were performed in 1999.
Comments Date:	04041996
Comments:	Issued I&SE Determination and Order.
Comments Date:	05081992
Comments:	Completed Focused RIFS. Soil sampled on-site showed elevated
Comments Date:	05081992
Comments: Comments Date:	levels of metals, DDD, chlordane, toxaphene, oil and grease, 05081992
Comments:	volatile organics including tetrachloroethylene (PCE) and
Comments Date:	
Comments:	trichloroethylene (TCE), and PCBs. Groundwater sampled on-site
Comments Date:	05081992
Comments:	primarily showed elevated levels of volatile organics including
Comments Date:	05081992
Comments:	1,2-dichloroethane, cis-1,2-dichloroethylene, PCE,
Comments Date:	05081992 trans-1.2-dichloroethylene, vinyl chloride and petroleum
Comments: Comments Date:	05081992
Comments:	hydrocarbons.
Comments Date:	06042002
Comments:	Completed Removal Action. Completed Remedial Action.
Comments Date:	06042002
Comments:	Approximately 6,500 cubic yards of soil were removed from the
Comments Date:	06042002
Comments:	site, including the eight adjacent residential properties and

Database(s)

EDR ID Number EPA ID Number

### BAY AREA DRUM COMPANY (Continued)

AREA DRUM COMPAN	Y (Continued)
Comments Date:	06042002
Comments:	vacant lot. Groundwater degradation enhancement was performed
Comments Date:	06042002
Comments:	in March 2002.
Comments Date:	06301986
Comments:	Issued RAO ordering remedial investigation and remedial action.
Comments Date:	06301986
Comments:	Soil and liquid samples taken at the site showed elevated levels
Comments Date:	06301986
Comments:	of metals, polychlorinated biphenyls (PCBs) and solvents.
Comments Date:	06301987
Comments:	Issued I&SE Order. High levels of contaminants were found at
Comments Date:	06301987
Comments:	the site, including PCBs, lead and pesticides (chlordane and 06301987
Comments Date: Comments:	toxaphene).
Comments Date:	06302003
Comments:	Certified Site. DTSC approved closure of the monitoring wells
Comments Date:	06302003
Comments:	in May 2003, since contamination levels in the wells were below
Comments Date:	06302003
Comments:	site specific cleanup levels identified in the RAP.
Comments Date:	07022001
Comments:	Approved Remedial Design and Implementation Plan for soil and
Comments Date:	07022001
Comments:	groundwater.
Comments Date:	08271992
Comments:	Completed Potential Responsible Party Search.
Comments Date:	08291990
Comments:	Completed RA. Drums were removed from the facility. A cap was
Comments Date:	08291990
Comments: Comments Date:	placed over the former drum yard, and a fence was placed around 08291990
Comments:	the former drum yard.
Comments Date:	08301986
Comments:	Issued FDNC. The responsible parties were in non-compliance
Comments Date:	08301986
Comments:	with the RAO.
Comments Date:	09151981
Comments:	Site Discovery.
Comments Date:	10142003
Comments:	COST - SETTL - Settlement Agreement signed with Bay Area Drum
Comments Date:	10142003
Comments:	Company and David Canon.
Comments Date:	10211993
Comments:	Completed RA. 76 drums of contaminated soil were disposed 10211993
Comments Date: Comments:	off-site.
Comments Date:	12211998
Comments:	RAW - DTSC approved the RAW which proposed excavation and
Comments Date:	12211998
Comments:	off-site disposal of soils containing various substances
Comments Date:	12211998
Comments:	including lead, thallium and polychlorinated biphenyls (PCBs),
Comments Date:	12211998
Comments:	from the eight residential backyards adjacent to the Bay Area
Comments Date:	12211998

Database(s)

EDR ID Number EPA ID Number

### BAY AREA DRUM COMPANY (Continued)

		(	
	Comments:		The proposal included the removal of a minimum of
	Comments Date:	12211998	
	Comments:		feet of soil from each backyard, with removal of
	Comments Date:	12211998	hus fact in coverel locations, to achieve
	Comments:		two feet in several locations, to achieve
	Comments Date:	12211998	ad residential alconus levels. It is estimated that
	Comments: Comments Date:	12211998	ed residential cleanup levels. It is estimated that
	Comments:		tely 1,200 cubic yards of soil would be excavated, and
	Comments Date:	12211998	ery 1,200 cubic yards of soil would be excavated, and
	Comments:		uantity of clean fill would be used to refill the
	Comments Date:	12211998	
	Comments:		s. Landscaping, patios, fences, etc. would also be
	Comments Date:	12211998	
	Comments:		Groundwater contamination will be addressed in the
	Comments Date:	12211998	
	Comments:		ly for the Bay Area Drum Site.
	ID Name:		TIFICATION NUMBER
	ID Value:	CAD98201	
	ID Name:	EPA IDEN	TIFICATION NUMBER
	ID Value:	CAC00211	8344
	ID Name:	EPA IDEN	TIFICATION NUMBER
	ID Value:	CAT08001	0242
	ID Name:	CALSTAR	S CODE
	ID Value:	200011	
	ID Name:	BEP DATA	BASE PCODE
ID Value: P21006			
	ID Name:	CALSTAR	S CODE
	ID Value:	201399	
	ID Name:	CALSTAR	S CODE
	ID Value:	201400	
	Alternate Name:		A DRUM COMPANYBAY AREA STEEL DRUMBAY AREA DRUM COMPANYBEDINI DRUMWAYMIF
		DRUMS	
	Special Programs Code:		
	Special Programs Name:	Not reporte	
C	A BOND EXP. PLAN:		
2.	Reponsible Party:		DETAILED SITE EXPENDITURE PLAN
	Project Revenue Source	Company:	Not reported
Project Revenue Source Addr:			Not reported
	Project Revenue Source	City,St,Zip:	Not reported
	Project Revenue Source	Desc:	Identified Responsible parties are small businesses with limited resources. The
	-		operator of Bay Area Drum has filed Chapter 11 bankruptcy. It has been
			necessary to utilize Bond funds to remedy this site. The Department will
			undertake cost recovery actions. This site has not been identified as an NPL
			site, nor does it appear to be a likely NPL candidate in the future, Therefore,
			it appears unlikely that federal funds are a viable source of revenue for this
			site.
	Site Description:		This site a former drum reconditioning operation. Drum reconditioning processes
			involve significant spillage of cleaning rinsate and drum residues onto floors
			and in areas of drum storage.
	Hazardous Waste Desc:		Soils and ground water sampled onsite and offsite show elevated levels of lead,
			pesticides, oil and grease, volatile organics and polychlorinated biphenyls

Database(s)

EDR ID Number **EPA ID Number** 

#### through the ground water. Site Activity Status: Extensive soil sampling has been completed by DHS. A remedial action order (RAO) and a remedial investigation workplan were issued to the responsible parties on June 19, 1986. Final notices of noncompliance with the RAO were issued by the Departmenton August 22, 1986. A task order to implement the workplan was issued to a State contractor on August 28, 1986. Drumyard and adjacent soils have been sampled. Onsite and offsite ground water wells were installed. The risk assessment for offsite contaminated soils was completed July 31, 1987. IRM activities including soil removal, capping, and refencing were completed by February, 1988. Removal of drums containing residual liquids was completed by October, 1988. Additonal ground water investigations are continuing. HIST CORTESE: CORTESE Region: Facility County Code: 38 CALSI Reg By: Reg Id: 38280112 STATE Region: Latitud

Global

LUST:

**BAY AREA DRUM COMPANY (Continued)** 

Global Id:	T0607581979
Latitude:	37.726665
Longitude:	-122.384144
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/16/2003
Lead Agency:	SAN FRANCISCO COUNTY LOP
Case Worker:	SC
Local Agency:	SAN FRANCISCO COUNTY LOP
RB Case Number:	38-2211
LOC Case Number:	11550
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

### Contact:

Jillaol.	
Global Id:	T0607581979
Contact Type:	Local Agency Caseworker
Contact Name:	STEPHANIE CUSHING
Organization Name:	SAN FRANCISCO COUNTY LOP
Address:	1390 MARKET STREET #210
City:	SAN FRANCISCO
Email:	stephanie.cushing@sfdph.org
Phone Number:	Not reported
Global Id:	T0607581979
Contact Type:	Regional Board Caseworker
Contact Name:	VIC PAL
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	vpal@waterboards.ca.gov
Phone Number:	Not reported

Database(s)

EDR ID Number EPA ID Number

#### **BAY AREA DRUM COMPANY (Continued)**

### S100833360

Status History: Global Id: T0607581979 Status: Open - Site Assessment Status Date: 08/14/2001 Global Id: T0607581979 Open - Case Begin Date Status: Status Date: 08/14/2001 Global Id: T0607581979 Completed - Case Closed Status: 09/16/2003 Status Date: Regulatory Activities: T0607581979 Global Id: Action Type: ENFORCEMENT 04/08/2003 Date: Action: Notice of Responsibility Global Id: T0607581979 REMEDIATION Action Type: Date: 01/01/1950 Action: Excavation Global Id: T0607581979 Action Type: ENFORCEMENT Date: 09/09/2003 Action: File review Global Id: T0607581979 Action Type: ENFORCEMENT Date: 09/15/2003 Action: Closure/No Further Action Letter Global Id: T0607581979 Action Type: Other Date: 01/01/1950 Action: Leak Discovery T0607581979 Global Id: Action Type: Other Date: 01/01/1950 Leak Reported Action: Global Id: T0607581979 Action Type: Other 01/01/1950 Date: Action: Leak Stopped SLIC: STATE Region: **Facility Status: Completed - Case Closed** Status Date: 09/01/1996 Global Id: SL18336756 SAN FRANCISCO BAY RWQCB (REGION 2) Lead Agency:

Database(s)

EDR ID Number EPA ID Number

### BAY AREA DRUM COMPANY (Continued)

Lead Agency Case Number:	Not reported
Latitude:	37.72619
Longitude:	-122.38276
Case Type:	Cleanup Program Site
Case Worker:	MEJ
Local Agency:	Not reported
RB Case Number:	SL18336756
File Location:	DTSC
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

### LIENS:

ILNO.	
Envirostor Id:	38280112
Latitude:	37.726664
Longitude:	-122.38414
Project Mgr:	None specified
Project Code:	200011, 201399, 201400
If Satisfied:	YES
Date Satisfied:	07/27/2007
Site Status:	Certified
Site Type:	CSITES
Completed:	08/09/2000
Description:	Drum reconditioning operations were conducted at this site from
	approximately 1948 to 1987. The drum reconditioning process typically
	involved significant spillage of cleaning rinsate and drum residues
	onto floors and in areas of drum storage. Eight adjacent residential
	backyards and an adjacent vacant lot (comprised of two parcels) were
	also remediated as part of the final remedial action. The former Bay
	Area Drum property is APN: 4792-029; the remaining APNs belong to the
	residential and vacant lot properties.

### RESPONSE:

Facility ID:	38280112
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Karen Toth
Division Branch:	Cleanup Berkeley
Site Code:	201400
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	17
Senate:	11
Special Program Status:	Not reported
Status:	Certified
Status Date:	06/30/2003
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	37.72666
Longitude:	-122.3841

EDR ID Number Database(s) EPA ID Number

#### **BAY AREA DRUM COMPANY** (Continued) APN: 4792-001B, 4792-022, 4792-023, 4792-024, 4792-025, 4792-025A, 4792-025B, 4792-026, 4792-027, 4792-028, 4792-029, 4792001B, 4792022, 4792023, 4792024, 4792025, 4792025A, 4792025B, 4792026, 4792027, 4792028, 4792029 Past Use: **RECYCLING - DRUM** Benzene Chlordane DDD Lead Polychlorinated biphenyls (PCBs Potential COC : Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Toxaphene Trichloroethylene (TCE Vinyl chloride Acetone Antimony and compounds Cadmium and compounds Carbon tetrachloride Chlorobenzene Chloroform 1,1-Dichloroethane Ethylbenzene Mercury and compounds Nickel 1,1,2,2-Tetrachloroethane Thallium and compounds Xylenes Zinc Confirmed COC: 1,1,2,2-Tetrachloroethane Thallium and compounds Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Toxaphene Trichloroethylene (TCE Vinyl chloride Acetone Antimony and compounds Cadmium and compounds Carbon tetrachloride Chlorobenzene Chloroform 1,1-Dichloroethane Ethylbenzene Mercury and compounds Nickel Benzene Chlordane DDD Lead Xylenes Zinc Potential Description: OTH, SOIL BAY AREA STEEL DRUM Alias Name: Alias Type: Alternate Name Alias Name: **BEDINI DRUM** Alias Type: Alternate Name Alias Name: WAYMIRE DRUMS Alias Type: Alternate Name Alias Name: 4792-001B Alias Type: APN Alias Name: 4792-022 Alias Type: APN Alias Name: 4792-023 Alias Type: APN Alias Name: 4792-024 Alias Type: APN Alias Name: 4792-025 Alias Type: APN Alias Name: 4792-025A Alias Type: APN Alias Name: 4792-025B Alias Type: APN Alias Name: 4792-026 Alias Type: APN Alias Name: 4792-027 Alias Type: APN

4792-028

4792-029

4792001B

4792022

4792023

4792024

4792025

APN

APN

APN

APN

APN

APN

APN

Alias Name: Alias Type:

Alias Name:

Alias Type:

Alias Name:

Alias Type:

Alias Type:

Alias Name:

Alias Type:

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Alias Type:

Alias Name:

Database(s)

EDR ID Number EPA ID Number

### BAY AREA DRUM COMPANY (Continued)

(•	
Alias Name:	4792025A
Alias Type:	APN
Alias Name:	4792025B
Alias Type:	APN
Alias Name:	4792026
Alias Type:	APN
Alias Name:	4792027
Alias Type:	APN
Alias Name:	4792028
Alias Type:	APN
Alias Name:	4792029
Alias Type:	APN
Alias Name:	CAC002118344
Alias Type:	EPA Identification Number CAD982015109
Alias Name: Alias Type:	EPA Identification Number
Alias Name:	CAT080010242
Alias Type:	EPA Identification Number
Alias Name:	110002945029
Alias Type:	EPA (FRS #)
Alias Name:	P21006
Alias Type:	PCode
Alias Name:	200011
Alias Type:	Project Code (Site Code)
Alias Name:	201399
Alias Type:	Project Code (Site Code)
Alias Name:	201400
Alias Type:	Project Code (Site Code)
Alias Name:	38280112
Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	
Completed Document Type:	
Completed Date:	06/03/1982
Comments:	Complaint received regarding discharge to sewer
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Final Determination of Non-Compliance
Completed Date:	12/27/1996
Comments:	Final DNC
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	07/07/1984
Comments:	Site inspection report including data from samples collected in Fall
	1983
Completed Area Name:	
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE
	Not reported
•	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Document Type: Completed Date:	Site Inspections/Visit (Non LUR) 07/27/1982
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Document Type: Completed Date:	Site Inspections/Visit (Non LUR) 07/27/1982

EDR ID Number Database(s) EPA ID Number

# BAY AREA DRUM COMPANY (Continued)

Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Unilateral Order (I/SE, RAO, CAO, EPA AO) 01/17/2001 Issued I&SE Determination and RAO ordering the removal of above-ground material, equipment and/or debris and structures on the property.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Initial Study/ Neg. Declaration 08/14/2000 Negative Declaration for main site RAP.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Notice of Exemption 12/22/1998 NOE for Backyards RAW
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Certification 06/30/2003 Certified Site. DTSC approved closure of the monitoring wells in May 2003, since contamination levels in the wells were below site specific cleanup levels identified in the RAP.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Unilateral Order (I/SE, RAO, CAO, EPA AO) 04/04/1996 Issued I&SE Determination and Order to perform remedial investigation activities, prepare a remedial investigation report, risk assessment, feasibility study and a draft Remedial Action Plan.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Consent Order 03/14/1996 Issued Consent Order to perform remedial investigation activities, prepare a remedial investigation report, risk assessment, feasibility study and a draft Remedial Action Plan.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Imminent and/or Subst. Endangerment Determination 06/30/1987 Issued I&SE Determination. High levels of contaminants were found at the site, including PCBs, lead and pesticides (chlordane and toxaphene).
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Final Determination of Non-Compliance 08/30/1986 Issued FDNC. The responsible parties were in non-compliance with the RAO.

EDR ID Number Database(s) EPA ID Number

S100833360

#### **BAY AREA DRUM COMPANY (Continued)** Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO) 06/30/1986 Completed Date: Comments: Issued RAO ordering remedial investigation and remedial action. Soil and liquid samples taken at the site showed elevated levels of metals, polychlorinated biphenyls (PCBs) and solvents. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: \* Discovery Completed Date: 09/15/1981 Comments: Site Discovery. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Operations and Maintenance Plan Completed Document Type: Completed Date: 02/14/2002 Comments: Approved O&M Plan. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Removal Action Workplan Completed Date: 12/22/1998 Comments: RAW - DTSC approved the RAW which proposed excavation and off-site disposal of soils containing various substances including lead, thallium and polychlorinated biphenyls (PCBs), from the eight residential backyards adjacent to the Bay Area Drum Site. The proposal included the removal of a minimum of the top two feet of soil from each backyard, with removal of soil below two feet in several locations, to achieve health-based residential cleanup levels. It is estimated that approximately 1,200 cubic yards of soil would be excavated, and a similar quantity of clean fill would be used to refill the excavations. Landscaping, patios, fences, etc. would also be replaced. Groundwater contamination will be addressed in the final remedy for the Bay Area Drum Site. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: **Remedial Action Completion Report** Completed Date: 06/04/2002 Completed Remedial Actions. Approximately 6,500 cubic yards of soil Comments: were removed from the site, including the eight adjacent residential properties and vacant lot. Groundwater degradation enhancement was performed in March 2002. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Design/Implementation Workplan Completed Date: 07/02/2001 Comments: Approved Remedial Design and Implementation Plan for soil and groundwater. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Remedial Action Plan Completed Document Type: Completed Date: 08/14/2000

EDR ID Number Database(s) EPA ID Number

residential standards and reatment of groundwater using Oxygen Releasing Compound Groundwater molitoring required until groundwater concentrations reach site specific groundwater goals based on aquatic impacts and distance from the San Francisco Bay.   Completed Area Name: PROJECT WIDE   Completed Document Type: Remedial Investigation / Feasibility Study   Ocmpleted Date: Completed RIFS. In August 1995, DTSC oversaw flux-chamber air sampling and groundwater monitoring performed by a group of potential responsible parties (PRP Group). In May 1997, DTSC approved a Baseline Risk Assessment (RA). The RA found that risk to human health would be above levels considered safe under a potential future residential use scenario. Therefore, remedial action would be necessary to allow unrestricted use of the site. Sampling was conducted in the eight residential backyards adjacent to the Site in December 1997 and April 1998. Elevated levels of flead, PCBs and thalium were found. Additional investigation activities were performed to pocument Type: Removal Action Completion Report   Completed Area Name: PROJECT WIDE Not reported   Completed Document Type: Removal Action Completion Report   Completed Document Type: Removal Investigation / Feasibility Study   Completed Document Type: Remedial Investigation / Feasibility Study   Completed Document Type: Remedial Investigation / Feasibility Study   Completed Document Type: Remedial Investigation / Feasibility Study   Completed Area Name: PROJECT WIDE   Compl	Y AREA DRUM COMPANY (Concernments:	Remedial Action Plan required removal of all contaminated soils above	S100833360
Completed Sub Area Name: Not reported   Completed Document Type: Remedial Investigation / Feasibility Study   Odz22/2000 Completed Date:   Completed Date: Completed RES. In August 1995, DTSC oversaw flux-chamber air sampling and groundwater monitoring performed by a group of potential responsible parties (PRP Group). In May 1997, DTSC approved a Baseline Risk Assessment (RA). The RA found that risk to human health would be above levels considered safe under a potential future residential use scenario. Therefore, remedial action would be necessary to allow unrestricted use of the site. Sampling was conducted in the eight residential backyards adjacent to the Site in December 1997 and April 1998. Elevated levels of lead, PCBs and thallium were found. Additional investigation activities were performed in 1999.   Completed Area Name: PROJECT WIDE   Completed Date: 10/21/1993   Completed Area Name: PROJECT WIDE   Completed Area Name: Not reported   Completed Area Na	Comments.	residential standards and treatment of groundwater using Oxygen Releasing Compound. Groundwater monitoring required until groundwater concentrations reach site specific groundwater goals	
Completed Sub Area Name: Completed Date:Not reported Removal Action Completion Report 10/21/1993Comments:Completed Removal Action. Five drums of contaminated groundwater and two drums of decontamination rinse water were disposed off-site.Completed Area Name: Completed Document Type:PROJECT WIDE Not reportedCompleted Date: Completed Date:PROJECT WIDE Not reportedCompleted Date: Completed Date: Completed Date: Completed Focused RIFS. Soil sampled on-site showed elevated levels of metals, DDD, chlordane, toxaphene, oil and grease, volatile organics including tetrachloroethylene (PCE) and trichloroethylene (TCE), and PCBs. Groundwater sampled on-site primarily showed elevated levels of volatile organics including 1,2-dichloroethylene, cis-1,2-dichloroethylene, PCE, trans-1,2-dichloroethylene, vinyl chloride and petroleum hydrocarbons.Completed Area Name: Completed Date: Completed Document Type: Completed Date: Completed Date:PROJECT WIDE Not reportedCompleted Area Name: Completed Document Type: Completed Date: Completed Procused RIFS. In 1988 and 1989, DTSC's contractor conducted a Phase II remedial investigation of to additional groundwater, including the installation of to additional groundwater monitoring wells. In 1990, DTSC arranged for off-site treatment of over 2,000 gallons of contaminated groundwater generated during site well development and sampling activities.Completed Area Name: Completed Area Name:PROJECT WIDE Not reportedCompleted Area Name: Completed Area Name:PROJECT WIDE Not reportedCompleted Area Name: Completed Area Name:PROJECT WIDE Not reportedCompleted Area Name: Completed Area Na	Completed Sub Area Name: Completed Document Type: Completed Date:	Not reported Remedial Investigation / Feasibility Study 03/22/2000 Completed RIFS. In August 1995, DTSC oversaw flux-chamber air sampling and groundwater monitoring performed by a group of potential responsible parties (PRP Group). In May 1997, DTSC approved a Baseline Risk Assessment (RA). The RA found that risk to human health would be above levels considered safe under a potential future residential use scenario. Therefore, remedial action would be necessary to allow unrestricted use of the site. Sampling was conducted in the eight residential backyards adjacent to the Site in December 1997 and April 1998. Elevated levels of lead, PCBs and thallium were found. Additional investigation activities were	
Completed Sub Area Name: Completed Date: Comments:Not reported Remedial Investigation / Feasibility Study 05/08/1992Comments:05/08/1992Comments:Completed Focused RIFS. Soil sampled on-site showed elevated levels of metals, DDD, chlordane, toxaphene, oil and grease, volatile organics including tetrachloroethylene (PCE) and trichloroethylene (TCE), and PCBs. Groundwater sampled on-site primarily showed elevated levels of volatile organics including 1,2-dichloroethylene, vinyl chloride and petroleum hydrocarbons.Completed Area Name: Completed Document Type: Completed Document Type:PROJECT WIDE Remedial Investigation / Feasibility Study 01/28/1992Comments:PROJECT WIDE Remedial Investigation / Feasibility Study 01/28/1992Completed Area Name: Completed Document Type: Completed Date:PROJECT WIDE Remedial Investigation / Feasibility Study 01/28/1992Completed Document Type: Completed Area Name: Completed Document Type:PROJECT WIDE Remedial Investigation / Feasibility Study 01/28/1992Completed Document Type: Completed Area Name: Completed Document Type:PROJECT WIDE Remedial Investigation of contamination remaining in site soil and groundwater, including the installation of 10 additional groundwater, molutioning wells. In 1990, DTSC arranged for off-site treatment of over 2,000 gallons of contaminated groundwater generated during site well development and sampling activities.Completed Area Name: Completed Sub Area Name: Completed Sub Area Name: Completed Document Type:PROJECT WIDE Removal Action Completion Report	Completed Sub Area Name: Completed Document Type: Completed Date:	Not reported Removal Action Completion Report 10/21/1993 Completed Removal Action. Five drums of contaminated groundwater and	
Completed Sub Area Name: Completed Document Type:Not reported Remedial Investigation / Feasibility Study 01/28/1992Comments:01/28/1992Comments:Completed Focused RIFS. In 1988 and 1989, DTSC's contractor conducted a Phase II remedial investigation of contamination remaining in site soil and groundwater, including the installation of 10 additional groundwater monitoring wells. In 1990, DTSC arranged for off-site treatment of over 2,000 gallons of contaminated groundwater generated during site well development and sampling activities.Completed Area Name: Completed Sub Area Name: Completed Document Type:PROJECT WIDE Not reported Removal Action Completion Report	Completed Sub Area Name: Completed Document Type: Completed Date:	Not reported Remedial Investigation / Feasibility Study 05/08/1992 Completed Focused RIFS. Soil sampled on-site showed elevated levels of metals, DDD, chlordane, toxaphene, oil and grease, volatile organics including tetrachloroethylene (PCE) and trichloroethylene (TCE), and PCBs. Groundwater sampled on-site primarily showed elevated levels of volatile organics including 1,2-dichloroethane, cis-1,2-dichloroethylene, PCE, trans-1,2-dichloroethylene, vinyl	
Completed Sub Area Name: Not reported Completed Document Type: Removal Action Completion Report	Completed Sub Area Name: Completed Document Type: Completed Date:	Not reported Remedial Investigation / Feasibility Study 01/28/1992 Completed Focused RIFS. In 1988 and 1989, DTSC's contractor conducted a Phase II remedial investigation of contamination remaining in site soil and groundwater, including the installation of 10 additional groundwater monitoring wells. In 1990, DTSC arranged for off-site treatment of over 2,000 gallons of contaminated groundwater generated during site well development and sampling	
	Completed Sub Area Name:	Not reported	
EDR ID Number Database(s) EPA ID Number

BAY AREA DRUM COMPANY (Continued) S10		
Comments:	Completed RA. Drums containing soil and liquids from Phase II soil borings were removed from the facility.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:		
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported	

EDR ID Number Database(s) EPA ID Number

BAY AREA DRUM COMPANY (Continued)		
Completed Document Type: Completed Date: Comments:	Consent Decree 07/11/2001 Settlement Filed - with members of the Bay Area Drum Site Ad Hoc PRP Group.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Consent Decree 10/14/2003 Settlement Agreement and Consent Decree	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Lien Satisfaction 07/27/2007 Recorded lien satisfaction acknowledgement for August 9, 2000 lien	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Consent Decree 09/04/2007 Settlemnt with Freud Farley & Karl Kluck. Payments due \$100,000 by July 16, 2007 and \$150,000 By April 16, 2010	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Amendment - Order/Agreement 09/19/1997 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Well Decommissioning Report 06/27/2003 Twelve groundwater monitoring wells destroyed in compliance with San Francisco Department of Public Health requirements.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 01/01/2000 Fact Sheet #7	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Risk Assessment Report 12/10/1999 Supplemental risk assessment determined that the site posed an unacceptable risk for residential uses.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 07/01/1997 Fact sheet updates the community on the ongoing site investigations.	
Completed Area Name:	PROJECT WIDE	

EDR ID Number Database(s) EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Fact Sheets 09/01/1986 Fact Sheet describes site, and cleanup process and public involvement. Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 04/01/1987 Report describes soils samples collected at the site and nearby off-site locations between January 28 and 30, 1987.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 12/12/1986 Report describes soil sampling conducted between September 23 and October 1, 1986
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 11/21/1986 Report describes installation of 4 monitoring wells and groundwater samples.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 05/22/1987 Report describes installation of monitoring wells and piezometers between February and March 1987
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 05/01/1987 Fact Sheet describing health evaluation and a proposed expediated response action.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Risk Assessment Report 07/15/1987 report assess threats associated to contamination found in backyards and on the site.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 11/05/1987 Report describes soil borings and sampling conducted to define underlying geology.
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported

EDR ID Number Database(s) EPA ID Number

#### Completed Document Type: Fact Sheets Completed Date: 09/16/1987 Comments: Fact Sheet updates community on the expediated response underway. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 06/18/1987 Comments: Fact Sheet describes the recent risk assessment prepared and the upcoming expediated response work. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Removal Action Workplan Completed Date: 07/01/1987 Comments: Reports detailed expediated response activities to be undertaken. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Remedial Investigation Report Completed Date: 12/22/1987 Comments: Report summarizes activities and findings to date. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

**BAY AREA DRUM COMPANY (Continued)** 

Completed Sub Area Name:Not reportedCompleted Document Type:Remedial Investigation ReportCompleted Date:04/20/1990Comments:Report prepared to summarizes activities and results todate.

Completed Area Name:PROJECT WIDECompleted Sub Area Name:Not reportedCompleted Document Type:Monitoring ReportCompleted Date:01/29/1996Comments:Results of Groundwater Monitoring conducted between August 23 and<br/>August 25, 1995.

Completed Area Name:PROJECT WIDECompleted Sub Area Name:Not reportedCompleted Document Type:Risk Assessment ReportCompleted Date:05/16/1997Comments:Approval of Baseline Risk Assessment

Completed Area Name:PROJECT WIDECompleted Sub Area Name:Not reportedCompleted Document Type:Public Participation Plan / Community Relations PlanCompleted Date:07/31/1996Comments:Public Participation Plan update

 Completed Area Name:
 PROJECT WIDE

 Completed Sub Area Name:
 Not reported

 Completed Document Type:
 Remedial Investigation Report

 Completed Date:
 01/12/1996

 Comments:
 Results of Flux Chamber sampling Conducted in 1995 on residential properties and on the Bay Area Drum Site.

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

EDR ID Number Database(s) EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

Completed Document Type: Completed Date: Comments:	Fact Sheets 09/09/1998 English & Spanish Fact Sheets announcing the availability of the Draft Removal Action Workplan for the backyards adjacent to the Bay Area Drum Site.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Fact Sheets	
Completed Date:	06/01/1988	
Comments:	Fact Sheet - Update on recent and future activities.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Public Participation Plan / Community Relations Plan	
Completed Date:	02/01/1992	
Comments:	Public Participation Plan approved	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 03/22/2000 English and Spanish Fact Sheet announcing the Availability of the Draft Feasibility Study/Remedial Action Plan and announcing a public meeting.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Design/Implementation Workplan 04/30/2001 Approved Demolition plan for aboveground structures. Approval letter includes modifications and additional requirements for plan implementation.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Fact Sheets	
Completed Date:	11/01/1991	
Comments:	Fact Sheet	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Fact Sheets	
Completed Date:	10/06/1988	
Comments:	Fact sheet describe ongoing field work activities.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Work Notice	
Completed Date:	07/01/1995	
Comments:	work notice	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Public Participation Plan / Community Relations Plan	
Completed Date:	01/01/1996	
Comments:	Community Involvement Plan	

BAY AREA DRUM COMPANY (Continued)

## MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

		01000000
Future Area Name:	Not reported	
Future Sub Area Name:	Not reported	
Future Document Type:		
Future Due Date:	Not reported	
Schedule Area Name:	Not reported	
Schedule Sub Area Nan		
Schedule Document Typ	•	
Schedule Due Date:	Not reported	
Schedule Revised Date:		
Schedule Revised Date.	Not reported	
ENVIROSTOR:		
	28280112	
Facility ID:	38280112 Contified	
Status:	Certified	
Status Date:	06/30/2003	
Site Code:	201400	
Site Type:	State Response	
Site Type Detailed:	State Response or NPL	
Acres:	2	
NPL:	NO	
Regulatory Agencies:	SMBRP	
Lead Agency:	SMBRP	
Program Manager:	Not reported	
Supervisor:	Karen Toth	
Division Branch:	Cleanup Berkeley	
Assembly:	17	
Senate:	11	
Special Program:	Not reported	
Restricted Use:	NO	
Site Mgmt Req:	NONE SPECIFIED	
• ·		
Funding:	Responsible Party	
Latitude:	37.72666	
Longitude:	-122.3841	
APN:	4792-001B, 4792-022, 4792-023, 4792-024, 4792-025, 4792-025A,	
	4792-025B, 4792-026, 4792-027, 4792-028, 4792-029, 4792001B, 4792022,	
	4792023, 4792024, 4792025, 4792025A, 4792025B, 4792026, 4792027,	
	4792028, 4792029	
Past Use:	RECYCLING - DRUM	
Potential COC:	Benzene Chlordane DDD Lead Polychlorinated biphenyls (PCBs	
	Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE	
	Toxaphene Trichloroethylene (TCE Vinyl chloride Acetone Antimony and	
	compounds Cadmium and compounds Carbon tetrachloride Chlorobenzene	
	Chloroform 1,1-Dichloroethane Ethylbenzene Mercury and compounds	
	Nickel 1,1,2,2-Tetrachloroethane Thallium and compounds Xylenes Zinc	
Confirmed COC:	1,1,2,2-Tetrachloroethane Thallium and compounds Polychlorinated	
Commed CCC.	biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs	
	Tetrachloroethylene (PCE Toxaphene Trichloroethylene (TCE Vinyl	
	chloride Acetone Antimony and compounds Cadmium and compounds Carbon	i
	tetrachloride Chlorobenzene Chloroform 1,1-Dichloroethane	
	Ethylbenzene Mercury and compounds Nickel Benzene Chlordane DDD Lead	
	Xylenes Zinc	
Potential Description:	OTH, SOIL	
Alias Name:	BAY AREA STEEL DRUM	
Alias Type:	Alternate Name	
Alias Name:	BEDINI DRUM	
Alias Type:	Alternate Name	
Alias Name:	WAYMIRE DRUMS	
Alias Type:	Alternate Name	

1

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## MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

AREA DRUM COMPANY	(Continued)
Alias Name:	4792-001B
Alias Type:	APN
Alias Name:	4792-022
Alias Type:	APN
Alias Name:	4792-023
Alias Type:	APN
Alias Name:	4792-024
Alias Type:	APN
Alias Name:	4792-025
Alias Type:	APN
Alias Name:	4792-025A
Alias Type:	APN
Alias Name:	4792-025B
Alias Type:	APN
Alias Name:	4792-026
Alias Type:	APN
Alias Name:	4792-027
Alias Type:	APN
Alias Name:	4792-028
Alias Type:	APN
Alias Name:	4792-029
Alias Type:	APN
Alias Name:	4792001B
Alias Type: Alias Name:	APN 4792022
Alias Type:	4792022 APN
Alias Name:	4792023
Alias Type:	47.92023 APN
Alias Name:	4792024
Alias Type:	APN
Alias Name:	4792025
Alias Type:	APN
Alias Name:	4792025A
Alias Type:	APN
Alias Name:	4792025B
Alias Type:	APN
Alias Name:	4792026
Alias Type:	APN
Alias Name:	4792027
Alias Type:	APN
Alias Name:	4792028 APN
Alias Type: Alias Name:	4792029
Alias Type:	47 <i>92029</i> APN
Alias Name:	CAC002118344
Alias Type:	EPA Identification Number
Alias Name:	CAD982015109
Alias Type:	EPA Identification Number
Alias Name:	CAT080010242
Alias Type:	EPA Identification Number
Alias Name:	110002945029
Alias Type:	EPA (FRS #)
Alias Name:	P21006
Alias Type:	PCode
Alias Name:	200011
Alias Type:	Project Code (Site Code)
Alias Name:	201399

Database(s)

EDR ID Number EPA ID Number

BAY AREA DRUM COMPANY (Co	ontinued)	S10083336
Alias Type: Alias Name: Alias Type: Alias Name: Alias Type:	Project Code (Site Code) 201400 Project Code (Site Code) 38280112 Envirostor ID Number	
Completed Info: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Correspondence 06/03/1982 Complaint received regarding discharge to sewer	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Final Determination of Non-Compliance 12/27/1996 Final DNC	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Inspections/Visit (Non LUR) 07/07/1984 Site inspection report including data from samples collected in Fall 1983	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Inspections/Visit (Non LUR) 07/27/1982 Site inspection report	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Unilateral Order (I/SE, RAO, CAO, EPA AO) 01/17/2001 Issued I&SE Determination and RAO ordering the removal of above-ground material, equipment and/or debris and structures on the property.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Initial Study/ Neg. Declaration 08/14/2000 Negative Declaration for main site RAP.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported CEQA - Notice of Exemption 12/22/1998 NOE for Backyards RAW	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Certification 06/30/2003 Certified Site. DTSC approved closure of the monitoring wells in May 2003, since contamination levels in the wells were below site	

## 360

Database(s)

EDR ID Number EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

	specific cleanup levels identified in the RAP.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Unilateral Order (I/SE, RAO, CAO, EPA AO) 04/04/1996 Issued I&SE Determination and Order to perform remedial investigation activities, prepare a remedial investigation report, risk assessment, feasibility study and a draft Remedial Action Plan.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Consent Order 03/14/1996 Issued Consent Order to perform remedial investigation activities, prepare a remedial investigation report, risk assessment, feasibility study and a draft Remedial Action Plan.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Imminent and/or Subst. Endangerment Determination 06/30/1987 Issued I&SE Determination. High levels of contaminants were found at the site, including PCBs, lead and pesticides (chlordane and toxaphene).		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Final Determination of Non-Compliance 08/30/1986 Issued FDNC. The responsible parties were in non-compliance with the RAO.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Unilateral Order (I/SE, RAO, CAO, EPA AO) 06/30/1986 Issued RAO ordering remedial investigation and remedial action. Soil and liquid samples taken at the site showed elevated levels of metals, polychlorinated biphenyls (PCBs) and solvents.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported * Discovery 09/15/1981 Site Discovery.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Operations and Maintenance Plan 02/14/2002 Approved O&M Plan.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PROJECT WIDE Not reported Removal Action Workplan 12/22/1998		

EDR ID Number Database(s) EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

Y	AREA DRUM COMPANY (Co	ontinued)	S100833360
	Comments:	RAW - DTSC approved the RAW which proposed excavation and off-site disposal of soils containing various substances including lead, thallium and polychlorinated biphenyls (PCBs), from the eight residential backyards adjacent to the Bay Area Drum Site. The proposal included the removal of a minimum of the top two feet of soil from each backyard, with removal of soil below two feet in several locations, to achieve health-based residential cleanup levels. It is estimated that approximately 1,200 cubic yards of soil would be excavated, and a similar quantity of clean fill would be used to refill the excavations. Landscaping, patios, fences, etc. would also be replaced. Groundwater contamination will be addressed in the final remedy for the Bay Area Drum Site.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Action Completion Report 06/04/2002 Completed Remedial Actions. Approximately 6,500 cubic yards of soil were removed from the site, including the eight adjacent residential properties and vacant lot. Groundwater degradation enhancement was performed in March 2002.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Design/Implementation Workplan 07/02/2001 Approved Remedial Design and Implementation Plan for soil and groundwater.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Action Plan 08/14/2000 Remedial Action Plan required removal of all contaminated soils above residential standards and treatment of groundwater using Oxygen Releasing Compound. Groundwater monitoring required until groundwater concentrations reach site specific groundwater goals based on aquatic impacts and distance from the San Francisco Bay.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation / Feasibility Study 03/22/2000 Completed RIFS. In August 1995, DTSC oversaw flux-chamber air sampling and groundwater monitoring performed by a group of potential responsible parties (PRP Group). In May 1997, DTSC approved a Baseline Risk Assessment (RA). The RA found that risk to human health would be above levels considered safe under a potential future residential use scenario. Therefore, remedial action would be necessary to allow unrestricted use of the site. Sampling was conducted in the eight residential backyards adjacent to the Site in December 1997 and April 1998. Elevated levels of lead, PCBs and thallium were found. Additional investigation activities were performed in 1999.	
	Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported	

EDR ID Number Database(s) EPA ID Number

#### **BAY AREA DRUM COMPANY** (Continued) S100833360 Completed Document Type: Removal Action Completion Report Completed Date: 10/21/1993 Comments: Completed Removal Action. Five drums of contaminated groundwater and two drums of decontamination rinse water were disposed off-site. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Remedial Investigation / Feasibility Study Completed Date: 05/08/1992 Comments: Completed Focused RIFS. Soil sampled on-site showed elevated levels of metals, DDD, chlordane, toxaphene, oil and grease, volatile organics including tetrachloroethylene (PCE) and trichloroethylene (TCE), and PCBs. Groundwater sampled on-site primarily showed elevated levels of volatile organics including 1,2-dichloroethane, cis-1,2-dichloroethylene, PCE, trans-1,2-dichloroethylene, vinyl chloride and petroleum hydrocarbons. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Remedial Investigation / Feasibility Study Completed Date: 01/28/1992 Comments: Completed Focused RIFS. In 1988 and 1989, DTSC's contractor conducted a Phase II remedial investigation of contamination remaining in site soil and groundwater, including the installation of 10 additional groundwater monitoring wells. In 1990, DTSC arranged for off-site treatment of over 2,000 gallons of contaminated groundwater generated during site well development and sampling activities. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: **Removal Action Completion Report** Completed Date: 08/29/1990 Comments: Completed RA. Drums containing soil and liquids from Phase II soil borings were removed from the facility. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Removal Action Completion Report Completed Document Type: Completed Date: 02/28/1988 Comments: Completed ERA. The expedited response action involved the removal of soil from some adjacent backyards and vacant lot, characterization and removal of drums. placement of temporary cap over drum yard, and fencing of property. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Site Screening Completed Date: 03/10/1987 Comments: Completed Site Screening. Elevated levels of lead, copper, cadmium, PCBs, and volatile organic compounds (VOCs) were found in soil and groundwater. In addition to finding contamination in on-site soils and groundwater, contamination was found in the soils of some adjacent residential backyards, and in the soils and groundwater of an adjacent vacant lot.

Completed Area Name: PROJECT WIDE

EDR ID Number Database(s) EPA ID Number

# BAY AREA DRUM COMPANY (Continued)

	Shinaca)
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Consent Decree 09/30/1990 Stipulation for Resolution of Objection to Claim of State of California Department of Health Services (DHS) between Kaiser Steel Resources, Inc. and DHS.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Decree
Completed Date:	11/10/1993
Comments:	Regarding the bankruptcy of Trans World Airlines, Inc.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Decree
Completed Date:	12/03/1997
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Decree
Completed Date:	03/19/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Lien
Completed Date:	08/09/2000
Comments:	Lien recorded in the amount of \$3,989,775.84 for DTSC costs.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Consent Decree 07/11/2001 Settlement Filed - with members of the Bay Area Drum Site Ad Hoc PRP Group.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Decree
Completed Date:	10/14/2003
Comments:	Settlement Agreement and Consent Decree
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Lien Satisfaction
Completed Date:	07/27/2007
Comments:	Recorded lien satisfaction acknowledgement for August 9, 2000 lien
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Consent Decree 09/04/2007 Settlemnt with Freud Farley & Karl Kluck. Payments due \$100,000 by July 16, 2007 and \$150,000 By April 16, 2010

Database(s)

EDR ID Number EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

r	AREA DRUM COMPANY (Co	ontinued)	5
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Amendment - Order/Agreement 09/19/1997 Not reported	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Well Decommissioning Report 06/27/2003 Twelve groundwater monitoring wells destroyed in compliance with San Francisco Department of Public Health requirements.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 01/01/2000 Fact Sheet #7	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Risk Assessment Report 12/10/1999 Supplemental risk assessment determined that the site posed an unacceptable risk for residential uses.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 07/01/1997 Fact sheet updates the community on the ongoing site investigations.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 09/01/1986 Fact Sheet describes site, and cleanup process and public involvement. Not reported	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 04/01/1987 Report describes soils samples collected at the site and nearby off-site locations between January 28 and 30, 1987.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 12/12/1986 Report describes soil sampling conducted between September 23 and October 1, 1986	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PROJECT WIDE Not reported Remedial Investigation Report 11/21/1986	

EDR ID Number Database(s) EPA ID Number

**BAY AREA DRUM COMPANY** (Continued) S100833360 Comments: Report describes installation of 4 monitoring wells and groundwater samples. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Remedial Investigation Report Completed Date: 05/22/1987 Comments: Report describes installation of monitoring wells and piezometers between February and March 1987 Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 05/01/1987 Comments: Fact Sheet describing health evaluation and a proposed expediated response action. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: **Risk Assessment Report** Completed Date: 07/15/1987 Comments: report assess threats associated to contamination found in backyards and on the site. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Remedial Investigation Report Completed Date: 11/05/1987 Comments: Report describes soil borings and sampling conducted to define underlying geology. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 09/16/1987 Comments: Fact Sheet updates community on the expediated response underway. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 06/18/1987 Comments: Fact Sheet describes the recent risk assessment prepared and the upcoming expediated response work. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Removal Action Workplan Completed Date: 07/01/1987 Comments: Reports detailed expediated response activities to be undertaken. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Remedial Investigation Report Completed Date: 12/22/1987 Comments: Report summarizes activities and findings to date. Completed Area Name: PROJECT WIDE

EDR ID Number Database(s) EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

AREA DRUM COMPANY (Continued)			
Completed Sub Area Name:	Not reported		
Completed Document Type:	Remedial Investigation Report		
Completed Date:	04/20/1990		
Comments:	Report prepared to summarizes activities and results todate.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 01/29/1996 Results of Groundwater Monitoring conducted between August 23 and August 25, 1995.		
Completed Area Name:	PROJECT WIDE		
Completed Sub Area Name:	Not reported		
Completed Document Type:	Risk Assessment Report		
Completed Date:	05/16/1997		
Comments:	Approval of Baseline Risk Assessment		
Completed Area Name:	PROJECT WIDE		
Completed Sub Area Name:	Not reported		
Completed Document Type:	Public Participation Plan / Community Relations Plan		
Completed Date:	07/31/1996		
Comments:	Public Participation Plan update		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Investigation Report 01/12/1996 Results of Flux Chamber sampling Conducted in 1995 on residential properties and on the Bay Area Drum Site.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 09/09/1998 English & Spanish Fact Sheets announcing the availability of the Draft Removal Action Workplan for the backyards adjacent to the Bay Area Drum Site.		
Completed Area Name:	PROJECT WIDE		
Completed Sub Area Name:	Not reported		
Completed Document Type:	Fact Sheets		
Completed Date:	06/01/1988		
Comments:	Fact Sheet - Update on recent and future activities.		
Completed Area Name:	PROJECT WIDE		
Completed Sub Area Name:	Not reported		
Completed Document Type:	Public Participation Plan / Community Relations Plan		
Completed Date:	02/01/1992		
Comments:	Public Participation Plan approved		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Fact Sheets 03/22/2000 English and Spanish Fact Sheet announcing the Availability of the Draft Feasibility Study/Remedial Action Plan and announcing a public		

Database(s)

EDR ID Number EPA ID Number

## BAY AREA DRUM COMPANY (Continued)

S100833360

	meeting.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Design/Implementation Workplan 04/30/2001 Approved Demolition plan for aboveground structures. Approval letter includes modifications and additional requirements for plan implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/01/1991
Comments:	Fact Sheet
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	10/06/1988
Comments:	Fact sheet describe ongoing field work activities.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Work Notice
Completed Date:	07/01/1995
Comments:	work notice
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Participation Plan / Community Relations Plan
Completed Date:	01/01/1996
Comments:	Community Involvement Plan
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported
8 UNDERWOOD AVENUE SIT	E V

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4438 ft.	
Relative:	

Relative:	VCP:	
Higher	Facility ID:	60001063
-	Site Type:	Voluntary Cleanup
Actual:	Site Type Detail:	Voluntary Cleanup
21 ft.	Site Mgmt. Req.:	NONE SPECIFIED
	Acres:	0.23
	National Priorities List:	NO
	Cleanup Oversight Agencies:	SMBRP

VCP S109548306 ENVIROSTOR N/A

Database(s)

EDR ID Number EPA ID Number

#### 1228 UNDERWOOD AVENUE SITE (Continued)

Lead Agency: SMBRP DTSC - Site Cleanup Program Lead Agency Description: Project Manager: Remedios Sunga Supervisor: Denise Tsuji **Division Branch:** Cleanup Berkeley 201839 Site Code: Assembly: 17 Senate: 11 Voluntary Cleanup Program Special Programs Code: Status: No Further Action 03/20/2009 Status Date: Restricted Use: NO Responsible Party Funding: Lat/Long: 37.72639 / -122.3853 APN: 4807018 Past Use: JUNKYARD Potential COC: 30001.30407 Confirmed COC: 30001-NO,30407-NO Potential Description: SOIL 4807018 Alias Name: Alias Type: APN Alias Name: 201839 Project Code (Site Code) Alias Type: Alias Name: 60001063 Envirostor ID Number Alias Type: Completed Info: PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Preliminary Endangerment Assessment Report Completed Date: 03/17/2009 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Cost Recovery Closeout Memo Completed Date: 05/10/2011 Comments: Not reported PROJECT WIDE Completed Area Name: Not reported Completed Sub Area Name: Voluntary Cleanup Agreement Completed Document Type: Completed Date: 02/26/2009 Comments: The property is located at 1228 Underwood Avenue, San Francisco, California, in San Francisco County, California 94124 (Site), identified by San Francisco Assessor's Parcel Number 4807-018. Based on the information available to DTSC and Proponent, the Site is or may be contaminated with hazardous substances, including arsenic and nickel. DTSC will review the information to identify areas and media of concern, and to determine the additional work, if any, required to complete the investigation/remediation of the Site. Future Area Name: Not reported Not reported Future Sub Area Name: Not reported Future Document Type: Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Not reported

Database(s)

EDR ID Number **EPA ID Number** 

#### 1228

228 UNDERWOOD AV	ENUE SITE (Continued)
Schedule Documer Schedule Due Date Schedule Revised I	e: Not reported
ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencie Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude:	0.23 NO
Lantado.	01.12000

Longitude: APN:

Past Use:

Potential COC:

Alias Name:

Alias Type:

Alias Name: Alias Type:

Alias Name:

Alias Type:

Confirmed COC:

am -122.3853 4807018 JUNKYARD Arsenic Nickel 30001-NO 30407-NO Potential Description: SOIL 4807018 APN 201839 Project Code (Site Code) 60001063 Envirostor ID Number

Completed Info: PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Preliminary Endangerment Assessment Report Completed Date: 03/17/2009 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Cost Recovery Closeout Memo Completed Date: 05/10/2011 Comments: Not reported PROJECT WIDE Completed Area Name: Not reported Completed Sub Area Name: Completed Document Type: Voluntary Cleanup Agreement Completed Date: 02/26/2009 Comments: The property is located at 1228 Underwood Avenue, San Francisco, California, in San Francisco County, California 94124 (Site),

Elevation	Site			Database(s)	EPA ID Numbe
	1228 UNDERWOOD AVENU	ident on th may nicke of co	ified by San Francisco Assessor's Parcel Number 4 ne information available to DTSC and Proponent, th be contaminated with hazardous substances, inclu- el. DTSC will review the information to identify areas oncern, and to determine the additional work, if any, plete the investigation/remediation of the Site.	e Site is or ding arsenic and s and media	S109548306
	Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Nam Schedule Document Typ Schedule Due Date: Schedule Revised Date:	Not i Not i Not i Not i ne: Not i Not i Not i	reported reported reported reported reported reported reported reported reported		
24 SSE 1/2-1 0.928 mi. 4901 ft.	HUNTERS POINT NAVAL SH 965 ACRES; SE PORTION O SAN FRANCISCO, CA 94124	F SF, CA	PARCEL B	HIST Cal-Sites Cortese ENVIROSTOR	S101272855 N/A
Relative: Lower Actual: 8 ft.	Calsite: Region: Facility ID: Facility Type: Type: Branch: Branch Name: File Name: State Senate District: Status: Status Name: Lead Agency: NPL: SIC Code: SIC Name:	NO OMF-NOI Not repor 05011986 CERTIFIE CERTIFIE DEPT OF Not Listed 44 WATER T	MILITARY BASE RTHERN CALIF ted ED AS HAVING BEEN REMEDIED SATISFACTOR ED TOXIC SUBSTANCES CONTROL	ILY UNDER DTS	C OVERSIGHT
	Access: Cortese: Hazardous Ranking Sco Date Site Hazard Ranke Groundwater Contamina Staff Member Responsib Supervisor Responsible	d: tion: ble for Site: for Site:			

SF

13

03

RAP

PAR-A

0

Not reported

000/000

Not reported

Not reported

38440001

REMEDIAL ACTION PLAN / RECORD OF DECISION

Region Water Control Board Name: SAN FRANCISCO BAY

Region Water Control Board:

State Assembly District Code:

State Senate District Code:

Lat/Long Direction:

Lat/Long Description:

Lat/Long (dms):

Lat/long Method:

Facility ID:

Activity Name:

Proposed Budget:

AWP Code:

Activity:

Map ID

Direction Distance

EDR ID Number Database(s)

EPA ID Number

#### S109548306

TC4048497.2s Page 205

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 0 For Residential Reuse: Unknown Type: 0 Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 0 For Industrial Reuse: For Residential Reuse: 0 Unknown Type: 0 Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: CERTIFIED Liquids Removed (Gals): 140

11301995 Not reported 11301995 Х Not reported CERT CERTIFIED Not reported Not reported Not reported Not reported Not reported 38440001 RIFS REMEDIAL INVESTIGATION / FEASIBILITY STUDY PAR-A 09301995 Not reported 09301995 Х Not reported CERT CERTIFIED Not reported Not reported Not reported Not reported Not reported 38440001 RA **REMOVAL ACTION** PAR-A 12151993 Not reported 12151993 Not reported Not reported CERT

Map ID Direction Distance Elevation Site

## MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	140 CU YDS DISPOSED TO A LANDFILL.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	PAR-A
Proposed Budget:	0
AWP Completion Date:	12151993
Revised Due Date:	Not reported
Comments Date:	12151993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	375
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	375 CU YDS OF CONTAMINATED SOIL DISPOSED TO OFF-SITE LANDFILL.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
	0
Unknown Type:	
Facility ID:	38440001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	PAR-A
Proposed Budget:	0
AWP Completion Date:	12151993
Revised Due Date:	Not reported
Comments Date:	12151993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	235
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Ν
Activity Comments:	TOTAL VOLUME OF SOIL REMOVED WAS APPROXIMATELY 85 CU YDS WHICH WAS
-	DISPOSED OFF-SITE IN A CLASS I LANDFILL. BULK OF WORK DONE 2/93 WITH
	SOME RESIDUAL WORK DONE 12/93. 150 CY OF SANDBLAST GRIT REMOVED.
For Commercial Reuse:	0

Database(s)

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (	(Continued)
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For Industrial Reuse: 0 0 For Residential Reuse: Unknown Type: 0 Facility ID: 38440001 Activity: RA Activity Name: **REMOVAL ACTION** AWP Code: UGTS Proposed Budget: 0 AWP Completion Date: 12171992 Revised Due Date: Not reported 12171992 Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Not reported Request to Delete Activity: Not reported CERT Activity Status: CERTIFIED Definition of Status: 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 0 For Industrial Reuse: For Residential Reuse: 0 Unknown Type: 0 Facility ID: 38440001 Activity: SS SITE SCREENING Activity Name: AWP Code: Not reported Proposed Budget: 0 AWP Completion Date: 04241987 Revised Due Date: Not reported 04241987 Comments Date: Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported Activity Status: CERT CERTIFIED Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: 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: 38440001 Activity: CERT Activity Name: CERTIFICATION AWP Code: PAR-A Proposed Budget: 0 AWP Completion Date: Not reported

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Revised Due Date: Not reported 06211998 Comments Date: Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Not reported Action Included Fencing: 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: 38440001 Activity: ORDER Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA AWP Code: FFA Proposed Budget: 0 AWP Completion Date: Not reported Not reported Revised Due Date: Comments Date: 09191990 Est Person-Yrs to complete: 0 Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: Not reported Action Included Fencing: 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: 965 ACRES; SE PORTION OF SF, CA Alternate City, St, Zip: SAN FRANCISCO, CA 94124 Alternate Address: END OF INNES AVE, SE CNR SF, HUNTER'S PT Alternate City, St, Zip: SAN FRANCISCO, CA 94101 Alternate Address: HUNTERS PT NAVAL SHIPYARD Alternate City, St, Zip: SAN FRANCISCO, CA 94124 Background Info: The site is located on a promontory in southeast San Francisco. T he promontory is bounded on the north and east by the San Francis co Bay and on the south and west by the Bayview-Hunters Point dis trict of the City of San Francisco. The entire site covers 936 a cres, 493 of which are on land and 443 of which are under water. It was used as a naval shipyard by the Navy from 1941, until it was decommissioned in 1974. In 1976, the Navy leased the site to Triple A Machine Shop. Triple A Machine Shop wa indicted and co

nvicted for illegal disposal of hazardous substances at Hunters P

Map ID Direction Distance Elevation Site MAP FINDINGS

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

oint. In 1986, Triple A Machine Shop's 10-year lease expired and was not renewed. Currently, the Site is occupied by Navy person nel and approximately 200 small businesses which employ about 1,0 00 workers. To facilitate environmental investigation and remed iation, as well as the ultimate transfer of the property to the C ity, this facility has been divided into six parcels, Parcel A th rough F. An initial assessment of Hunters Point completed by the Navy in 1984, identified numerous contaminated areas includeing: the oil reclamation ponds, industrial landfill, bay fill area, ba ttery and electroplating shop, tank farm, pickling and plate yard , scrap yard and an old transformer storage yard, submarine base area, and bay sediment area. Recent investigation identified add itional areas such as disposal trenches and salvage yard, oily li quid waste disposal area, oily waste ponds, incineration tank, an d drum storage and disposal area. These areas, if confirmed thro ugh PA/SI process, may be grouped into four additional OUs (Group 6 to Group 9) withGroup 5 remaining as the base-wide OU. The Nav v also documented and reported alleged illegal dumping by Triple A Machine Shop leading to the identification of additional contam inated areas. Remedial field work for Group 1 started in Octob er, 1990. Soil and groundwater at Group 1 are contaminated with o il, asbestos, trichloroethylene (TCE); perchloroethylene (PCE); c hromium (Cr); copper (Cu); lead (Pb); and acids. Contaminants c ould be trans- ported via wind dispersion and/or groundwater. The Group 1 industrial landfill was used from 1958 to 1974, for d isposal of industrial and solid wastes. Wastes included domestic refuse; dredge spoils; sandblast waste; chemical and solvent was tes, radium dials, and asbestos. The Bay Fill area operated fr om 1945 to 1978, and was used for disposal of sandblast waste. T he Bay Fill area also includes Tank S-505, a 630,000 gallon steel fuel tank. Tank S-505 was used by Triple A Machine Shop as a ho Iding tank for used and waste oil. Sampling has confirmed that t he oil and sludge in the tank is contaminated with PCBs. From 1 944 to 1974, Hunters Point used two unlined ponds located within the Bay Fill area for oil storage. Oil waste from the industrial shops and ships, and TCE, PCBs, and chromates were disposed of a t these waste ponds. The ponds were emptied and filled with soil in 1974. Hunters Point was placed on the National Priorities Lis t (NPL) in November, 1989. A Federal Facilities Agreement (FFA) was signed by the Navy, EPA, and DHS in September, 1990. The San Francisco RWQCB requested to be a signatory to the FFA during th e 45-day public comment period. Final FFA with RWQCB as an addit ional signatory party was signed 09301995 taminated with DDT. Both sandblast grit and DDT contaminated soi 09301995 Is were removed. Finally, the motor oil found in the groundwater 02101982 Sample results show elevated levels of Cu, Pb, and Zn. 02281993 RA - PAR-A -- Two removal actions were completed at 02281993 Parcel "A". Parcel "A" is to be transferred to the City 02281993 and County of San Francisco. The removal actions included: 02281993

Comments: Comments Date: Comments:

Comments Date:

Comments Date:

Comments Date:

Comments Date:

Comments: Comments Date:

Comments: Comments Date:

Comments:

Comments:

Comments:

1) Approximately 150 cubic yards of sandblast grit were

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Database(s)

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments Date:	02281993
Comments:	removed; approximate cost = \$5,000; funding = DSMOA.
Comments Date:	02281993
Comments:	And, 2) Another area of concern was the gardening shed
Comments Date:	02281993
Comments:	in the upland portion of Parcel "A". Approximately
Comments Date:	02281993
Comments:	85 cubic yards of soil was excavated and disposed of off-
Comments Date: Comments:	02281993 site to a Class I Landfill in Nevada. Approximate
Comments Date:	02281993
Comments:	cost = \$25,000; Funding = DSMOA.
Comments Date:	04241987
Comments:	Site Screening Done: Mitre Model required.
Comments Date:	06211998
Comments:	CERT - PAR-A The ROD for Parcel A has been implemented. No CE
Comments Date:	06211998
Comments:	RCLA hazardous substances exist at the 88-acre Parcel A above hea
Comments Date:	06211998
Comments:	Ith-based levels, so the BCT approved a No Further Action ROD. On
Comments Date:	06211998
Comments:	the other hand, some of the parcel's groundwater is contaminated
Comments Date:	06211998
Comments:	with low levels of petroleum products, so the RWQCB will enforce
Comments Date:	06211998
Comments: Comments Date:	deed notifications. 07251991
Comments:	Naval shipyard from 1941 until it was decommissioned in
Comments Date:	07251991
Comments:	1974. In 1976, the Navy leased the facility to Triple A
Comments Date:	07251991
Comments:	Machine Shop. Contamination from previous shipyard
Comments Date:	07251991
Comments:	activities and alleged illegal disposal of hazardous waste.
Comments Date:	07251991
Comments:	Soil and groundwater contaminants include TPH, PCBs, Cu, Pb,
Comments Date:	07251991
Comments:	As, Cd, Cr, BTX&E, acids, asbestos, TCE, TCA, PCE, and
Comments Date:	07251991
Comments:	pesticides.
Comments Date: Comments:	07301993 RA - PA-A Removal Action completed at Parcel "A". PA-43
Comments Date:	07301993
Comments:	consists of the area surrounding Building 906 and the
Comments Date:	07301993
Comments:	gardening tool house. Approximately 375 cubic yards of
Comments Date:	07301993
Comments:	PCB and Pesticide contaminated soils were excavated and
Comments Date:	07301993
Comments:	disposed of off-site to a landfill in Utah. Approximate
Comments Date:	07301993
Comments:	cost = \$90,000; Funding = DSMOA.
Comments Date:	07311993
Comments:	RA - PA-A Removal Action completed at Parcel "A". PA-19
Comments Date:	07311993
Comments:	consists of two parking medians near Building 901 and the
Comments Date:	07311993

EDR ID Number Database(s)

**EPA ID Number** 

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments: Officers' Club. Approximately 140 cubic yards of metals, Comments Date: 07311993 PCB, and pesticide contaminated soil was excavated and Comments: Comments Date: 07311993 Comments: disposed of off-site to a landfill in Utah. Approximate Comments Date: 07311993 cost = \$36,000; funding = DSMOA. Comments: 09151981 Comments Date: Comments: Facility Drive-By: Noted two transformers. Photos taken. Comments Date: 09301995 RIFS completion Size of activity: X-Large Parcel A is comprised o Comments: 09301995 Comments Date: Comments: f about 88 acres of both residential and commercial areas. Early 09301995 Comments Date: Comments: investigation coupled with soil removals led to two areas that r Comments Date: 09301995 equired further work. Discovery of sandblast grit led to soil con Comments: Comments Date: 09301995 Comments: led the RWQCB to ask for deed notification to alert future land Comments Date: 09301995 Comments: owner(s) of the presence of low levels of motor oil in the ground Comments Date: 09301995 Comments: water at Parcel A. The risk assessment indicated no or diminimus Comments Date: 09301995 Comments: risk at Parcel A. The Navy proposed no action in the feasibilit Comments Date: 09301995 Comments: y study. Volume trenched, stabilized or disposed: Approximately 6 Comments Date: 09301995 Comments: 00 cubic yards Approximate cost: \$700,000 Comments Date: 10011981 Site used by "Triple A Machine Shop". Comments: Comments Date: 10151981 Records Search: RWQCB - transformer storage. Comments: Comments Date: 10261981 State Inspection: Samples taken of soil, sludge, oily Comments: Comments Date: 10261981 Comments: material. Transformers moved off-site by Defense Logistics Comments Date: 10261981 Comments: Contract. Comments Date: 11301995 RAP 11-30-1995 Parcel A is comprised of about 88 acres of both re Comments: Comments Date: 11301995 Comments: sidential and commercial areas. Early investigation coupled with Comments Date: 11301995 Comments: soil removals lead to two areas that required further work. Disc Comments Date: 11301995 Comments: overy of sandblast grit lead to the discovery of soil contaminate Comments Date: 11301995 Comments: d with DDT. Both sandblast grit and DDT contaminated soils were 11301995 Comments Date: removed. Finally, the motor oil found in the groundwater lead th Comments: Comments Date: 11301995 Comments: e Regional Water Quality Control Board to require a deed notifica Comments Date: 11301995 Comments: tion to alert the future owner(s) of the presence of low levels o Comments Date: 11301995 f motor oil in the groundwater at parcel A. The risk assessment Comments:

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855 Comments Date: 11301995 indicated no or minimun risk at Parcel A. The Navy proposed a No Comments: Comments Date: 11301995 Action ROD that was accepted by all the parties. Volume Trench Comments: Comments Date: 11301995 Comments: ed, Stabilized or disposed: Approximately 600 cubic yards. Approx Comments Date: 11301995 Comments: imate Cost and Funding Source: about \$100,000 Comments Date: 12171992 Comments: Removal of 23 underground storage tanks ranging in size from 500 12171992 Comments Date: - 210,000 gallons. Tanks contained either gasoline, diesel, solv Comments: Comments Date: 12171992 Comments: ents, waste oils, water or a mixture of solvent and water. 1,378 Comments Date: 12171992 Comments: cubic yards of solvent-contaminated soil was excavated and dispo 12171992 Comments Date: Comments: sed offsite. ID Name: EPA IDENTIFICATION NUMBER ID Value: CA1170090087 ID Name: **BEP DATABASE PCODE** ID Value: P22129 Alternate Name: HUNTERS POINT NAVAL SHIPYARD. PARCEL BTREASURE ISLAND NAVAL STATION HNTRS PTTRIPLE A MACHINE SHOPHUNTERS POINT ANNEXTREASURE ISLAND NAVAL STATIONHUNTERS POINT NAVAL SHIPYARD, GROUP 1HUNTERS POINT NAVAL SHIPYARD, PARCEL A Special Programs Code: BRAC2 Special Programs Name: BASE REALIGNMENT & CLOSURE, 2ND ROUND Special Programs Code: DSMOA Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT Region: BERKELEY Facility ID: 38440002 Facility Type: CLOSE Type: CLOSED MILITARY BASE Branch: NO OMF-NORTHERN CALIF Branch Name: File Name: Not reported State Senate District: 05011986 ANNUAL WORKPLAN (AWP) - ACTIVE SITE Status: Status Name: ANNUAL WORKPLAN - ACTIVE SITE DEPT OF TOXIC SUBSTANCES CONTROL Lead Agency: NPL: Listed SIC Code: 44 SIC Name: WATER TRANSPORTATION 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: TLANPHAR 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): 000/000 Lat/long Method: Not reported Lat/Long Description: FROM THE CENTER OF PARCEL

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

State Assembly District Code: 13 State Senate District Code: 03 Facility ID: 38440002 Activity: DES DESIGN Activity Name: AWP Code: PAR-B Proposed Budget: 0 AWP Completion Date: 09071999 Revised Due Date: Not reported Comments Date: 09071999 Est Person-Yrs to complete: 0 Estimated Size: Х Request to Delete Activity: Not reported Activity Status: AWP ANNUAL WORKPLAN - ACTIVE SITE Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Not reported Action Included Fencing: Removal Action Certification: Not reported Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 0 For Residential Reuse: Unknown Type: 0 Facility ID: 38440002 Activity: RAP REMEDIAL ACTION PLAN / RECORD OF DECISION Activity Name: AWP Code: PAR-B Proposed Budget: 0 AWP Completion Date: 10091997 Revised Due Date: Not reported Comments Date: 10091997 0 Est Person-Yrs to complete: Estimated Size: Х Request to Delete Activity: Not reported Activity Status: AWP Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE Liquids Removed (Gals): 0 0 Liquids Treated (Gals): Action Included Capping: Not reported Well Decommissioned: Not reported Not reported Action Included Fencing: 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: 38440002 Activity: RIFS Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY AWP Code: PAR-B Proposed Budget: 0 AWP Completion Date: 11261996 Revised Due Date: Not reported

Database(s)

EDR ID Number EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

NTERS POINT NAVAL SHIPYARD	0, PARCEL B (Continued)	S101272855
Comments Date:	11261996	
Est Person-Yrs to complete:	0	
Estimated Size:	Х	
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:	38440002	
Activity:	RA	
Activity Name:	REMOVAL ACTION	
AWP Code:	IR-06	
Proposed Budget:	0	
AWP Completion Date:	12221994	
Revised Due Date:	Not reported	
Comments Date:	12221994	
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):	20	
Liquids Treated (Gals):	0	
Action Included Capping:	Not reported	
Well Decommissioned:	Not reported	
Action Included Fencing:	Not reported	
Removal Action Certification:		
Activity Comments:	TWO UNDERGROUND STORAGE TANKS REMOVED. CONTA EXCAVA-TED AND DISPOSED OFF-SITE, APPROXIMATELY 20	
For Commercial Reuse:	0	
For Industrial Reuse:	0	
For Residential Reuse:	0	
Unknown Type:	0	
Facility ID:	38440002	
Activity:	RA	
Activity Name:	REMOVAL ACTION	
AWP Code:	PAR-B	
Proposed Budget:	0	
AWP Completion Date: Revised Due Date:	12151993 Not reported	
	Not reported	
Comments Date:	12151993 0	
Est Person-Yrs to complete: Estimated Size:	Not reported	
Request to Delete Activity:	Not reported	
Activity Status:	AWP	
Definition of Status:	AWF ANNUAL WORKPLAN - ACTIVE SITE	
Liquids Removed (Gals):	140	
Liquids Treated (Gals):	0	
	-	

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

,	
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	REMOVAL OF ASBESTOS-CONTAINING MATERIAL, TANKS AND TANK PIPING, PETRO-
	LEUM FUEL AND SOLVENTS, FOUNDATIONS FOR THE 17 TANKS, DEMOLITION OF
	THE 2 PUMP HOUSES AND BLDGS 111 & 112, & REMOVAL OF CONTAMINATED SOIL.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440002
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	12311986
Revised Due Date:	Not reported
Comments Date:	12311986
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:	38440002
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	PAR-B
Proposed Budget:	0
AWP Completion Date:	05312008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0 Not reported
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	
Definition of Status: Liquids Removed (Gals):	ANNUAL WORKPLAN - ACTIVE SITE 0
	0
Liquids Treated (Gals): Action Included Capping:	
Well Decommissioned:	Not reported Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
	·

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) For Residential Reuse: 0 Unknown Type: Λ Alternate Address: 965 ACRES; SE PORTION OF SF, CA Alternate City, St, Zip: SAN FRANCISCO, CA 94101 Alternate Address: HUNTERS POINT Alternate City, St, Zip: SAN FRANCISCO, CA 94101 Background Info: The site is located on a promontory in southeast San Francisco. T he promontory is bounded on the north and east by the San Francis co Bay and on the south and west by the Bayview-Hunters Point dis trict of the City of San Francisco. The entire site covers 936 a cres, 493 of which are on land and 443 of which are under water. It was used as a naval shipyard by the Navy from 1941, until it was decommissioned in 1974. In 1976, the Navy leased the site to Triple A Machine Shop. Triple A Machine Shop was indicted and c onvicted for illegal disposal of hazardous substances at Hunters Point. In 1986, Triple A Machine Shop's 10-year lease expired an d was not renewed. Currently, the Site is occupied by Navy perso nnel and a number of small business tenants. To facilitate envi ronmental investigation and remediation, as well as the ultimate transfer of the property to the City, this facility has been divi ded into six parcels, Parcel A through F. An initial assessment o f Hunters Point completed by the Navy in 1984, identified numerou s contaminated areas includeing: the oil reclamation ponds, indus trial landfill, bay fill area, battery and electroplating shop, t ank farm, pickling and plate yard, scrap yard and an old transfor mer storage yard, submarine base area and bay sediment area. Subs equent investigation identified additional areas such as disposal trenches and salvage yard, oily liquid waste disposal area, oily waste ponds, incineration tank, and drum storage and disposal ar ea. The Navy also documented and reported alleged illegal dumpin g by Triple A Machine Shop leading to the identification of addit ional contaminated areas. Remedial field work for Parcel B beg an in September, 1989. Soil and groundwater at Parcel B are conta minated with oil, poly- chlorinated biphenyls (PCB), trichloroeth ylene (TCE), perchloro- ethylene (PCE), chromium (Cr), copper (Cu ), lead (Pb), nickel (Ni), acids and zinc chromate. Contaminants could be transported via wind dispersion and/or groundwater. From 1944 to 1974, Hunters Point operated Building 123 as the sub marine battery overhaul shop, storage shop and electroplating sho p. During shop operations waste acids contaminated with lead and copper spilled onto the shop floor. Chromium, tin, lead, and co pper were also discharged into the storm sewer by the electro- pl ating operations. The Parcel B Tank Farm was used from 1942 until 1985 for diesel fuel storage. Content sampling has indicated po ssible PCB contamination. At least one major spill occurred in 1 944. Hunters Point was placed on the National Priorities List (NP L) in November, 1989. A Federal Facilities Agreement (FFA) was s igned by the Navy, EPA, and DHS in September, 1990. The San Fran cisco RWQCB requested to be a signatory to the FFA during the 45day public comment period; they were added to the finalized agree ment. Comments Date: 07061994 Comments: Parcel B - Historically, this OU was referenced as Group 2. 09071999 Comments Date: DES - PAR-B -- Review, comment, and approval of engineering desig Comments: Comments Date: 09071999 n and construction specifications for soil remediation and ground Comments:

TC4048497.2s Page 217

Database(s)

EDR ID Number EPA ID Number

Comments Date:	09071999
Comments:	water monitoring wells.
Comments Date:	11261996
Comments:	RIFS - PARCEL B Investigated 66 acres. Identified areas of concer
Comments Date:	11261996
Comments:	n and provided several alternatives in mitigating the risk areas.
Comments Date:	11261996
Comments:	soil alternatives range from no action to off- site disposal and
Comments Date:	11261996
Comments:	on-site treatment. The concern from the groundwater contaminatio
Comments Date:	11261996
Comments:	n is the possible threat to the Bay. Since groundwater contaminat
Comments Date:	11261996
Comments:	ion is far from the Bay, ground- water monitoring seems to be suf
Comments Date:	11261996
Comments:	ficient. And in case of exceedences, there will be a contingency 11261996
Comments Date:	plan to mitigate the threat. Due to high salinity and low yield,
Comments: Comments Date:	11261996
Comments:	the ground- water is not suited for drinking. In addition, access
Comments Date:	11261996
Comments:	to the groundwater will be controlled by placing restrictions in
Comments Date:	11261996
Comments:	the deed. The Navy has decided to cleanup the parcel to resident
Comments Date:	11261996
Comments:	ical scenario. The Reuse Plan calls for mixed use at Parcel B.
Comments Date:	11301993
Comments:	RA - PAR-B Removal Action Completed at Parcel "B". This
Comments Date:	11301993
Comments:	RA consisted of various activities at the Tank Farm.
Comments Date:	11301993
Comments:	Removal of: asbestos-containing material from piping, pumps,
Comments Date:	11301993
Comments:	and tanks; petroleum fuel and solvents; nine foundations;
Comments Date:	11301993
Comments:	demolition of two pump houses and Buildings 111 and 112;
Comments Date:	11301993
Comments:	approximately 140 cubic yards of soil were excavated and
Comments Date:	11301993
Comments:	disposed of off-site. Approximate cost = \$385,000;
Comments Date:	11301993 funding = DSMOA
Comments:	funding = DSMOA.
Comments Date: Comments:	12221994 RA - IR-06 A Removal Action was completed at Parcel B. Two un
Comments Date:	12221994
Comments:	derground storage tanks and associated pipes were removed. In ad
Comments Date:	12221994
Comments:	dition, 20 tons of contaminated soils were excavated. Both the s
Comments Date:	12221994
Comments:	oils and pipes were transported and disposed offsite. Approximat
Comments Date:	12221994
Comments:	e cost = \$50,000; funding = BRAC.
ID Name:	BEP DATABASE PCODE
ID Value:	P23055
Alternate Name:	HUNTERS PT NAVAL SHIPYD- TREASURE ISLANDHUNTERS POINT NAVAL SHIPYARD, PARCE

### HUN

BTRIPLE A MACHINE SHOPHUNTERS PT NAVAL SHIPYD- TREASURE ISLANDHUNTERS POINT

NAVAL SHIPYARD, GROUP 2HUNTERS POINT NAVAL SHIPYARD, PARCEL B \*

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Special Programs Code: BRAC2 Special Programs Name: BASE REALIGNMENT & CLOSURE, 2ND ROUND Special Programs Code: DSMOA Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

BERKELEY Region: Facility ID: 38440003 Facility Type: CLOSE CLOSED MILITARY BASE Type: Branch: NO **OMF-NORTHERN CALIF** Branch Name: Not reported File Name: 05011986 State Senate District: Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE Status Name: ANNUAL WORKPLAN - ACTIVE SITE Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL NPL: Listed SIC Code: 44 WATER TRANSPORTATION SIC Name: Access: Not reported Cortese: Not reported Hazardous Ranking Score: Not reported Date Site Hazard Ranked: Not reported Groundwater Contamination: Suspected TLANPHAR Staff Member Responsible for Site: Supervisor Responsible for Site: Not reported Region Water Control Board: SF Region Water Control Board Name: SAN FRANCISCO BAY Lat/Long Direction: Not reported 000/000 Lat/Long (dms): Not reported Lat/long Method: Lat/Long Description: FROM THE CENTER OF PARCEL State Assembly District Code: 13 State Senate District Code: 03 Facility ID: 38440003 Activity: RMDL Activity Name: REMEDIAL ACTION (RAP REQUIRED) AWP Code: PAR-C Proposed Budget: 0 AWP Completion Date: 09302008 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 AWP Activity Status: 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 Not reported Removal Action Certification: Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0

Activity:

Activity:

Activity:

#### MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Unknown Type: 0 38440003 Facility ID: DES Activity Name: DESIGN AWP Code: PAR-C Proposed Budget: 0 AWP Completion Date: 09302007 Revised Due Date: Not reported Comments Date: Not reported Est Person-Yrs to complete: 0 Estimated Size: Х 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 38440003 Facility ID: RIFS Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY AWP Code: PAR-C Proposed Budget: 0 AWP Completion Date: 10312006 Revised Due Date: Not reported Comments Date: Not reported Est Person-Yrs to complete: 0 Х Estimated Size: Request to Delete Activity: Not reported Activity Status: AWP ANNUAL WORKPLAN - ACTIVE SITE Definition of Status: 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: 38440003 CERT Activity Name: CERTIFICATION AWP Code: PAR-C Proposed Budget: 0 AWP Completion Date: 09302009 Revised Due Date: Not reported Comments Date: Not reported

Database(s)

EDR ID Number EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

ITERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
Est Person-Yrs to complete:		0
Estimated Size:		Not reported
		Not reported
Request to Delete Activity:		AWP
Activity Status:		ANNUAL WORKPLAN - ACTIVE SITE
Definition of Status: Liguids Removed (Gals):		
Liquids Treated (Gals):		0
Action Included Capping:		
Well Decommissioned:		Not reported
Action Included Fencing:		Not reported 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:		S; SE PORTION OF SF, CA
		NCISCO, CA 94101
Alternate Address: HUNTERS		
Alternate City, St, Zip:		NCISCO, CA 94101
		s and some metals in the soil. Hunters Point was placed
Buokground mio.		ional Priorities List (NPL) in November, 1989. A Feder
	al Facilities Agreement (FFA) was signed by the Navy, EPA and DHS	
		ber, 1990. The San Francisco RWQCB requested to be a s
		the FFA during the 45-day public comment period; they
		ed to the finalized agreement.
	The site is located on a promontory in southeast San Francisco. T	
	he promontory is bounded on the north and east by the San Francis	
	co Bay and on the south and west by the Bayview-Hunters Point dis	
	trict of the City of San Francisco. The entire site covers 936 a	
	cres, 493 of which are on land and 443 of which are under water.	
		d as a naval shipyard by the Navy from 1941, until it
		nmissioned in 1974. In 1976, the Navy leased the site to
	Triple A M	achine Shop. Triple A Machine Shop was indicted and c
	onvicted for	or illegal disposal of hazardous substances at Hunters
	Point. In 1	1986, Triple A Machine Shop's 10-year lease expired an
	d was not renewed. Currently, the Site is occupied by Navy perso	
	nnel and approximately 200 small businesses which employ about 1,	
		rs. To facilitate environmental investigation and reme
	diation, as	well as the ultimate transfer of the property to the
	City, this fa	acility has been divided into six parcels, Parcel A t
		An initial assessment of Hunters Point completed by the
	Navy in 19	984, identified numerous contaminated areas including:
	•	amation ponds, industrial landfill, bay fill area, ba
	ttery and e	electroplating shop, tank farm, pickling and plate yard
		d and an old transformer storage yard, submarine base
		bay sediment area. Recent investigation identified addi
		is such as disposal trenches and salvage yard, oily lig
		disposal area, oily waste ponds, incineration tank and
		age and disposal area. The Navy also documented and repo
		ed illegal dumping byTriple A Machine Shop leading to t
		cation of additionalcontaminated areas. Remedial field
		arcel C began in late 1990. Soil at Parcel C sites ar
		nated with polychlorinated biphenyls (PCB), copper, lead
		ic. Other suspected contaminants include acids, asbest
		vastes and oils. Groundwater contamination was encoun
		vestigations at Parcel C sites. From 1954 to 1974,
		J

EDR ID Number Database(s)

**EPA ID Number** 

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) used submarine battery lead and copper, as well as electrical tra nsformers and capacitors containing PCBs, were stored at the scra p yard. The transformer storage yard was used from 1946 until 197 4. The site is unpaved and electrical transformers containing PCB s were stored at the yard. Parcel C contains an alleged Triple A Machine Shop storage area. Initial soil boring sampling has take n place at the Parcel C sites. The sampling confirmed the presen Comments Date: 07061994 Comments: Parcel C - Historically, this OU was referenced as Group 3. Comments Date: 07251991 Naval shipyard from 1941 until it was decommissioned in Comments: 07251991 Comments Date: Comments: 1974. In 1976, the Navy leased the facility to Triple A Comments Date: 07251991 Comments: Machine Shop. Contamination resulted from previous shipyard Comments Date: 07251991 activities and alleged illegal disposal of hazardous waste. Comments: Comments Date: 07251991 Comments: Soil and groundwater contaminants include TPH, PCBs, Cu, Pb, Comments Date: 07251991 As, Cd, Cr, BTX&E, acids, asbestos, TCE, TCA, PCE, and Comments: Comments Date: 07251991 Comments: pesticides. ID Name: **BEP DATABASE PCODE** ID Value: P23056 Alternate Name: HUNTERS POINT NAVAL SHIPYARD, PARCEL CTRIPLE A MACHINE SHOPHUNTERS PT NAVAL SHIPYD- TREASURE ISLANDHUNTERS POINT NAVAL SHIPYARD, GROUP 3HUNTERS POINT NAVAL SHIPYARD, PARCEL C \* Special Programs Code: BRAC2 Special Programs Name: BASE REALIGNMENT & CLOSURE, 2ND ROUND Special Programs Code: DSMOA Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT Region: BERKELEY Facility ID: 38440004 CLOSE Facility Type: Type: CLOSED MILITARY BASE Branch: NO **OMF-NORTHERN CALIF** Branch Name: File Name: Not reported State Senate District: 05011986 ANNUAL WORKPLAN (AWP) - ACTIVE SITE Status: Status Name: ANNUAL WORKPLAN - ACTIVE SITE DEPT OF TOXIC SUBSTANCES CONTROL Lead Agency: NPL: Not Listed SIC Code: 44 SIC Name: WATER TRANSPORTATION Access: Not reported Cortese: Not reported Hazardous Ranking Score: Not reported Date Site Hazard Ranked: Not reported Groundwater Contamination: Suspected Staff Member Responsible for Site: TLANPHAR Supervisor Responsible for Site: Not reported Region Water Control Board: SF Region Water Control Board Name: SAN FRANCISCO BAY Lat/Long Direction: Not reported
Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s)

EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

NTERS POINT NAVAL SHIPYARD, F	PARCEL B (Continued)
Lat/Long (dms):	000/000
Lat/long Method:	Not reported
Lat/Long Description:	MEASURED FROM THE CENTER OF PARCEL.
State Assembly District Code:	13
State Senate District Code:	03
Facility ID:	38440004
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	PAR-D
Proposed Budget:	0
AWP Completion Date:	04302005
Revised Due Date:	10312005
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:	38440004
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	PAR-D
Proposed Budget:	0
AWP Completion Date:	12312006
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: For Commercial Reuse:	Not reported
	0
For Industrial Reuse: For Residential Reuse:	0 0
Unknown Type:	0
Facility ID:	38440004
Activity:	38440004 DES
Activity Name:	DESIGN
AWP Code:	PAR-D

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status:

0 05312006 Not reported Not reported 0 Х Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0 0 Not reported Not reported Not reported Not reported Not reported 0 0 0 0 38440004 RIFS REMEDIAL INVESTIGATION / FEASIBILITY STUDY PAR-D 0 03171997 Not reported 03171997 0 Х Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0 0 Not reported Not reported Not reported Not reported Not reported 0 0 0 0 38440004 RA REMOVAL ACTION IR-9 0 03301996 Not reported 03301996 0 Not reported Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE

Map ID Direction		_	MAP FINDI	NGS		
Distance	Site				Database(s)	EDR ID Number EPA ID Number
	HUNTERS POINT NAVAL SH	IIPYARD, F	PARCEL B (Contin	ued)		S101272855
	Liquids Removed (Gals)	:	20			
	Liquids Treated (Gals): Action Included Capping	ŀ	0 Not reported			
	Well Decommissioned:	•	Not reported			
	Action Included Fencing		Not reported			
	Removal Action Certifica	ation:				
	Activity Comments:		DISPOSED OF OF	FSITE ALONG WITH TH	HE PICKLING TANK AN	RE WERE REMOVED AND ID ITS CONTENTS, AND STORAGE RACKS.
	For Commercial Reuse:		0	AGET CONTENTO, AND		AND OTOTAGE NAORO.
	For Industrial Reuse:		0			
	For Residential Reuse:		0			
	Unknown Type: Facility ID:		0 38440004			
	Activity:		38440004 CERT			
	Activity Name:		CERTIFICATION			
	AWP Code:		PAR-D			
	Proposed Budget:		0 12312007			
	AWP Completion Date: Revised Due Date:		Not reported			
	Comments Date:		Not reported			
	Est Person-Yrs to compl	ete:	0			
	Estimated Size:	h	Not reported			
	Request to Delete Activi Activity Status:	ty:	Not reported AWP			
	Definition of Status:			LAN - ACTIVE SITE		
	Liquids Removed (Gals)	:	0			
	Liquids Treated (Gals):		0 Not reported			
	Action Included Capping Well Decommissioned:	-	Not reported Not reported			
	Action Included Fencing	:	Not reported			
	Removal Action Certifica	ation:	Not reported			
	Activity Comments:		Not reported			
	For Commercial Reuse: For Industrial Reuse:		0 0			
	For Residential Reuse:		0			
	Unknown Type:		0			
	Alternate Address:		ES; SE PORTION O			
	Alternate City,St,Zip: Alternate Address:	HUNTER	NCISCO, CA 94101 S POINT			
	Alternate City,St,Zip:		NCISCO, CA 94101			
	Background Info:			ontory in southeast San F		
		•		the north and east by the		
		•		west by the Bayview-Hur co. The entire site cover		
				and 443 of which are ur		
				rd by the Navy from 1941		
				. In 1976, the Navy lease		
		•		A Machine Shop was in hazardous substances a		
			- ·	ine Shop's 10-year lease		
			•	, the Site is occupied by	• •	
			•••	mall businesses which er		
				vironmental investigation transfer of the property		
		City, this f	facility has been divi	ded into six parcels, Parc	cel A t	
		hrough F.	An initial assessme	nt of Hunters Point comp	leted by the	

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments Date:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments: Comments Date:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments: Comments Date:

Comments:

Navy in 1984, identified numerous contaminated areas including: the oil reclamation ponds, industrial landfill, bay fill area, ba ttery and electroplating shop, tank farm, pickling and plate yard , scrap yard and an old transformer storage yard, submarine base area and bay sediment area. Recent investigation identified addi tional areas such as disposal trenches and salvage yard, oily lig uid waste disposal area, oily waste ponds, incineration tank, and drum storage and disposal area. The Navy also documented and rep orted alleged illegal dumping by Triple A Machine Shop leadingto t he identification of additional contaminated areas. Remedial field work for Parcel D began in late 1990. Soils at the Parcel D site areas are contaminated with sandblast grit, copper, lead, zinc a nd nickel. Other suspected contaminants include: asbestos, liqu id wastes, oils and polychlorinated biphenyls (PCBs). The Submar ine Base Area includes a painting area and sandblast fill area. The painting area was used for painting submarine superstructures The paints were primarily zinc-chromate based. The sandblast fill area was used for dispo- sal of sandblast wastes generated f rom the painting area. The sandblast grit contains heavy metals and paint chips. Parcel D also contains an alleged Triple A Machi ne Shop dumping area where oil and liquid wastes were dumped onto the ground. An initial soil boring sampling at the Parcel D sit es confirmed the presence of metals and oil in the soil. Hunters Point was placed on the National Priorities List (NPL) in Novembe r, 1989. The Federal Facilities Agreement (FFA) was signed by th e Navy, EPA, and DHS in September, 1990. The San Francisco RWQCB requested to be a signatory to the FFA during the 45-day public comment period; they were added to the finalized agreement. 07251991 Soil and groundwater contaminants include TPH, PCBs, Cu, Pb, 07251991 As, Cd, Cr, BTX&E, acids, asbestos, TCE, TCA, PCE, and 07251991 pesticides. 03301996 Pickling and Plate Yard Removal was completed on March 30, 1996. 03301996 Contamination at the Pickling and Plate Yard was located at the s 03301996 urface and high in concentration. The site was an uncovered and e 03301996 xposed portion of the shipyard and was routinely exposed to winte 03301996 r storms and strong winds in the summer. The site is surrounded b 03301996 y buildings leased to commercial tenants. At the IR-9 Pickling an 03301996 d Plate Yard, zinc chromate residue within a temporary structure 03301996 were removed and disposed of offsite along with the pickling tank 03301996 and its content, containment vault contents, and the plate dryin 03301996 g and storage racks. Contaminated groundwater and soil in the are 03301996 a will be addressed in the Parcel D RIFS process. Volume trench 03301996

EDR ID Number Database(s) EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

NTERS POINT NAVAL SH	IPYARD, PA	ARCEL B (Continued)	S101272855
Comments:	ed. stabilize	ed or disposed: Approximately 47,000 gallons of liqui	
Comments Date:	03301996	······································	
Comments:	d and slude	e and approximately 20 tons of debris and plating stor	
Comments Date:	03301996		
Comments:	age racks.	Approximate cost and funding source: \$3,000,000; DSM	
Comments Date:	03301996		
Comments:	OA/BRAC		
Comments Date:	07061994		
Comments:	Parcel D - I	Historically, this OU was referenced as Group 4.	
Comments Date:	07251991		
Comments:	Naval shipy	ard from 1941 until it was decommissioned in	
Comments Date:	07251991		
Comments:		76, the Navy leased the facility to Triple A	
Comments Date:	07251991		
Comments:		nop. Contamination resulted from previous shipyard	
Comments Date:	07251991		
Comments:		nd alleged illegal disposal of hazardous waste.	
ID Name: ID Value:		BASE PCODE	
	P23057		
Alternate Name:		MACHINE SHOPHUNTERS PT NAVAL SHIPYD- TREASURE ISLA IPYARD, GROUP 4HUNTERS POINT NAVAL SHIPYARD, PARCE	
Special Programs Code:		IF TARD, GROOF 4HONTERS FOINT NAVAL SHIFTARD, FARGE	
		LIGNMENT & CLOSURE, 2ND ROUND	
Special Programs Code:			
		MEMORANDUM OF AGREEMENT	
Region:	BERKELEY		
Facility ID:	38440005		
Facility Type:	CLOSE		
Туре:		IILITARY BASE	
Branch:	NO		
Branch Name:		THERN CALIF	
File Name:	Not reporte	d	
State Senate District:	05011986		
Status:			
Status Name:		/ORKPLAN - ACTIVE SITE OXIC SUBSTANCES CONTROL	
Lead Agency: NPL:	Listed	OXIC SUBSTAILES CONTROL	
SIC Code:	44		
SIC Name:		RANSPORTATION	
Access:	Not reporte		
Cortese:	Not reporte		
Hazardous Ranking Scor	•	Not reported	
Date Site Hazard Ranked	d:	Not reported	
Groundwater Contaminat	tion:	Suspected	
Staff Member Responsib	le for Site:	TLANPHAR	
Supervisor Responsible f	or Site:	Not reported	
Region Water Control Bo		SF	
Region Water Control Bo	ard Name:	SAN FRANCISCO BAY	
Lat/Long Direction:		Not reported	
Lat/Long (dms):		000/000	
Lat/long Method:			
Lat/Long Description:		MEASURED FROM THE CENTER OF PARCEL	
State Assembly District C State Senate District Cod		13 03	
Facility ID:		38440005	
Activity:		BWEBS	

Map ID Direction Distance Elevation Site

## MAP FINDINGS

EDR ID Number Database(s) EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

ITERS POINT NAVAL SHIPYARD, PARCEL B (Continued)			
Activity Name: AWP Code:	BASEWIDE ENVIRONMENTAL BASELINE SURVEY		
Proposed Budget:	0		
AWP Completion Date:	05131996		
Revised Due Date:	Not reported		
Comments Date:	05131996		
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:	38440005		
Activity:	FOSL FINDING OF SUITABILITY TO LEASE		
Activity Name: AWP Code:	GRP3B		
Proposed Budget:	0		
AWP Completion Date:	11121996		
Revised Due Date:	Not reported		
Comments Date:	11121996		
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: Activity Comments:	Not reported Not reported		
For Commercial Reuse:	0		
For Industrial Reuse:	2		
For Residential Reuse:	0		
Unknown Type:	0		
Facility ID:	38440005		
Activity:	FOSL		
Activity Name:	FINDING OF SUITABILITY TO LEASE		
AWP Code:	GRP2B		
Proposed Budget:	0		
AWP Completion Date:	05171996		
Revised Due Date:	Not reported		
Comments Date:	05171996		
Est Person-Yrs to complete:	0 Not reported		
Estimated Size: Request to Delete Activity:	Not reported		
	Not reported		

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Activity Status: AWP Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: Not reported Action Included Fencing: Removal Action Certification: Not reported Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 17 0 For Residential Reuse: Unknown Type: 0 Facility ID: 38440005 Activity: RMDL Activity Name: REMEDIAL ACTION (RAP REQUIRED) AWP Code: PAR-E Proposed Budget: 0 AWP Completion Date: 07232009 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 38440005 Facility ID: Activity: DES DESIGN Activity Name: AWP Code: PAR-E Proposed Budget: 0 07012008 AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Х 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

Map ID Direction Distance Elevation Site

## MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

NTERS POINT NAVAL SHIPYARD, I	PARCEL B (Continued)
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440005
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	PAR-E
Proposed Budget:	0
AWP Completion Date:	12072006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Х
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 38440005
Facility ID: Activity:	FOSL
Activity Name:	FINDING OF SUITABILITY TO LEASE
AWP Code:	GRP1B
Proposed Budget:	0
AWP Completion Date:	12131995
Revised Due Date:	Not reported
Comments Date:	12131995
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:	5
For Industrial Reuse:	0
For Residential Reuse: Unknown Type:	0
51	0 38440005
Facility ID: Activity:	38440005 FOSL
Activity Name:	FINDING OF SUITABILITY TO LEASE
AWP Code:	B-808
Proposed Budget:	0
Food English	-

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals):

10021995 Not reported 10021995 0 Not reported Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0 0 Not reported Not reported Not reported Not reported Not reported 0 0 0 0 38440005 FOSL FINDING OF SUITABILITY TO LEASE B-414 0 10021995 Not reported 10021995 0 Not reported Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0 0 Not reported Not reported Not reported Not reported Not reported 0 0 0 0 38440005 FOSL FINDING OF SUITABILITY TO LEASE B-258 0 10021995 Not reported 10021995 0 Not reported Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0

Map ID Direction Distance Elevation Site

## MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	KS FOINT NAVAL SHIFTARD, F	ARCEL B (Continued)	51012/2000
Lic	uids Treated (Gals):	0	
	tion Included Capping:	Not reported	
	ell Decommissioned:	Not reported	
	tion Included Fencing:	Not reported	
	emoval Action Certification:	Not reported	
	tivity Comments:	•	
	or Commercial Reuse:	Not reported 0	
	r Industrial Reuse:	0	
	r Residential Reuse:	0	
	known Type:	0	
	cility ID:	38440005	
	tivity:	RA	
	tivity Name:	REMOVAL ACTION	
AV	VP Code:	IR-2	
Pro	oposed Budget:	0	
AV	VP Completion Date:	09301995	
Re	evised Due Date:	Not reported	
Co	omments Date:	09301995	
Es	t Person-Yrs to complete:	0	
Es	timated Size:	Not reported	
Re	equest to Delete Activity:	Not reported	
	tivity Status:	AWP	
	finition of Status:	ANNUAL WORKPLAN - ACTIVE SITE	
Lic	uids Removed (Gals):	3000	
	uids Treated (Gals):	0	
	tion Included Capping:	Not reported	
	ell Decommissioned:	Not reported	
	tion Included Fencing:	Not reported	
	emoval Action Certification:	N	
	tivity Comments:	SANDBLAST GRIT WAS SENT TO AN ASPHALT MANUFACTURI	
/ 10	and you wanted a	RECYCLING. SANDBLAST GRIT CONTAINED ELEVATED META	
Fo	r Commercial Reuse:	0	
Fo	r Industrial Reuse:	0	
Fo	r Residential Reuse:	0	
Ur	known Type:	0	
	cility ID:	38440005	
	tivity:	FOSL	
	tivity Name:	FINDING OF SUITABILITY TO LEASE	
	VP Code:	B-368	
	oposed Budget:	0	
	VP Completion Date:	08081995	
	evised Due Date:	Not reported	
	omments Date:	08081995	
	t Person-Yrs to complete:	0	
	timated Size:	Not reported	
	equest to Delete Activity:	Not reported	
	tivity Status:	AWP	
	efinition of Status:		
		ANNUAL WORKPLAN - ACTIVE SITE	
	quids Removed (Gals):	0	
	quids Treated (Gals):	0	
	tion Included Capping:	Not reported	
	ell Decommissioned:	Not reported	
	tion Included Fencing:	Not reported	
	emoval Action Certification:	Not reported	
	tivity Comments:	Not reported	
	r Commercial Reuse:	0	
Fo	r Industrial Reuse:	0	

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

For Residential Reuse: 0 0 Unknown Type: 38440005 Facility ID: Activity: RA Activity Name: AWP Code: POST Proposed Budget: 0 AWP Completion Date: 12311994 Revised Due Date: Comments Date: 12311994 Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: AWP Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: N Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 38440005 Activity: FOSL Activity Name: AWP Code: DOCK4 Proposed Budget: 0 AWP Completion Date: 09011994 Revised Due Date: 09011994 Comments Date: Est Person-Yrs to complete: n Estimated Size: Request to Delete Activity: Activity Status: AWP Definition of Status: 0 Liquids Removed (Gals): Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 38440005 Activity: FOSL Activity Name: AWP Code: B-606 Proposed Budget: 0 AWP Completion Date: 07011994 Revised Due Date: Not reported

**REMOVAL ACTION** Not reported Not reported Not reported ANNUAL WORKPLAN - ACTIVE SITE Not reported Not reported Not reported 5 WARNING SIGNS WERE INSTALLED. FINDING OF SUITABILITY TO LEASE Not reported Not reported Not reported ANNUAL WORKPLAN - ACTIVE SITE Not reported Not reported Not reported Not reported Not reported FINDING OF SUITABILITY TO LEASE

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: For Industrial Reuse: For Residential Reuse: Unknown Type: Facility ID: Activity: Activity Name: AWP Code: Proposed Budget: AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: Estimated Size: Request to Delete Activity: Activity Status: Definition of Status: Liquids Removed (Gals): Liquids Treated (Gals): Action Included Capping:

07011994 0 Not reported Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0 0 Not reported Not reported Not reported Not reported Not reported 0 0 0 0 38440005 FOSL FINDING OF SUITABILITY TO LEASE B-281 0 07011994 Not reported 07011994 n Not reported Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0 0 Not reported Not reported Not reported Not reported Not reported 0 0 0 0 38440005 RA **REMOVAL ACTION** PAR-E 0 12151993 Not reported 12151993 0 Not reported Not reported AWP ANNUAL WORKPLAN - ACTIVE SITE 0 0 Not reported

## MAP FINDINGS

EDR ID Number Database(s) EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Ν
Activity Comments:	TANK S-505 WAS STEAM CLEANED, DECONTAMINATED AND DISPOSED OF. 20,000GALLONS OF LIQUID PCB WERE REMOVED FOR INCINERATION.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440005
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	TANK2
Proposed Budget:	0
AWP Completion Date:	09241991
Revised Due Date:	Not reported
Comments Date:	09241991
Est Person-Yrs to complete:	0 Not reported
Estimated Size: Request to Delete Activity:	Not reported Not reported
Activity Status:	AWP
Definition of Status:	AWF ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	FIVE TANKS REMOVED: S-251 AND S-001 TO S-004. SOIL AROUND TANKS EXCAVATED, AMOUNT UNKNOWN.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440005
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	TANK1
Proposed Budget:	0
AWP Completion Date:	09241991
Revised Due Date:	Not reported
Comments Date:	09241991
Est Person-Yrs to complete:	0 Not reproduced
Estimated Size:	Not reported Not reported
Request to Delete Activity: 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:	3 TANKS REMOVED: S-435 (1), S-435 (2), AND S-812. SOIL AROUND TANKS EXCAVATED, AMOUNTS UNKNOWN.
For Commercial Reuse:	0
For Industrial Reuse:	0

Database(s)

EDR ID Number EPA ID Number

For Decidential David	
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440005
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	TANK3
Proposed Budget:	0
AWP Completion Date:	09241991
Revised Due Date:	Not reported
Comments Date:	09241991
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:	THREE TANKS REMOVED AND THE SOIL AROUND THEM EXCAVATED. AMOUNT OF
-	UNKNOWN. TANKS: S-203, S-304 AND S-305.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440005
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	TANK4
Proposed Budget:	0
AWP Completion Date:	09241991
Revised Due Date:	Not reported
Comments Date:	09241991
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:	6 TANKS REMOVED. TANKS: S-508, AND S-711 TO S-715.
For Commercial Reuse:	0 TANKS REMOVED. TANKS. S-500, AND S-711 TO S-715.
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	38440005
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	TANK
Proposed Budget:	0
AWP Completion Date:	01171991

Database(s)

EDR ID Number EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

#### S101272855

Not reported Revised Due Date: 01171991 Comments Date: 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 Not reported Well Decommissioned: Action Included Fencing: Not reported Removal Action Certification: Ν Activity Comments: CONTENTS OF 23 USTS WERE REMOVED DURING JULY AND AUGUST 1990. For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 38440005 Facility ID: Activity: RA Activity Name: **REMOVAL ACTION** AWP Code: ASBES Proposed Budget: 0 AWP Completion Date: 01171991 Revised Due Date: Not reported Comments Date: 01171991 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): 244 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Ν REMOVAL OF ACM AT 22 SITES THROUGHOUT THE HUNTERS POINT ANNEX. Activity Comments: For Commercial Reuse: 0 0 For Industrial Reuse: 0 For Residential Reuse: Unknown Type: 0 Facility ID: 38440005 Activity: CERT Activity Name: CERTIFICATION AWP Code: PARE2 Proposed Budget: 0 AWP Completion Date: 12312007 Revised Due Date: Not reported Comments Date: Not reported Est Person-Yrs to complete: 0 Estimated Size: Not reported Not reported Request to Delete Activity: AWP Activity Status: Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Map ID Direction Distance Elevation Site

#### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: Activity: CERT Activity Name: AWP Code: PAR-E Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: AWP Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: Activity: FOSI Activity Name: AWP Code: B-813 Proposed Budget: 0 AWP Completion Date: Revised Due Date: Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Request to Delete Activity: Activity Status: AWP Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Well Decommissioned: Action Included Fencing: Removal Action Certification: Activity Comments: For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0

Not reported Not reported Not reported Not reported Not reported 38440005 CERTIFICATION 12312009 Not reported Not reported Not reported Not reported ANNUAL WORKPLAN - ACTIVE SITE Not reported Not reported Not reported Not reported Not reported 38440005 FINDING OF SUITABILITY TO LEASE 09111997 Not reported 09111997 Not reported Not reported ANNUAL WORKPLAN - ACTIVE SITE Not reported Not reported Not reported Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Facility ID: 38440005 Activity: FOSL Activity Name: FINDING OF SUITABILITY TO LEASE AWP Code: B-915 Proposed Budget: 0 AWP Completion Date: 09111997 Revised Due Date: Not reported 09111997 Comments Date: 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 0 For Industrial Reuse: For Residential Reuse: 0 Unknown Type: 0 38440005 Facility ID: Activity: FOSL FINDING OF SUITABILITY TO LEASE Activity Name: AWP Code: GRP5B Proposed Budget: 0 AWP Completion Date: 11121996 Revised Due Date: Not reported Comments Date: 11121996 Est Person-Yrs to complete: n 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: 3 For Residential Reuse: 0 Unknown Type: 0 38440005 Facility ID: Activity: FOSL FINDING OF SUITABILITY TO LEASE Activity Name: AWP Code: GRP4B Proposed Budget: 0 AWP Completion Date: 11121996 Revised Due Date: Not reported 11121996 Comments Date: Est Person-Yrs to complete: 0

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP ANNUAL WORKPLAN - ACTIVE SITE Definition of Status: 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: 1 For Residential Reuse: 0 Unknown Type: 0 Alternate Address: 965 ACRES; SE PORTION OF SF, CA SAN FRANCISCO, CA 94101 Alternate City, St, Zip: Alternate Address: HUNTERS POINT Alternate City, St, Zip: SAN FRANCISCO, CA 94101 Background Info: The site is located on a promontory in southeast San Francisco. T he promontory is bounded on the north and east by the San Francis co Bay and on the south and west by the Bayview-Hunters Point dis trict of the City of San Francisco. The entire site covers 936 a cres, 493 of which are on land and 443 of which are under water. It was used as a naval shipyard by the Navy from 1941, until it was decommissioned in 1974. In 1976, the Navy leased the site to Triple A Machine Shop. Triple A Machine Shop was indicted and c onvicted for illegal disposal of hazardous substances at Hunters Point. In 1986, Triple A Machine Shop's 10-year lease expired an d was not renewed. Currently, the Site is occupied by Navy perso nnel and approximately 200 small businesses which employ about 1, 000 workers. To facilitate environmental investigation and reme diation, as well as the ultimate transfer of the property to the City, this facility has been divided into six parcels, Parcel A t hrough F. An initial assessment of Hunters Point completed by the Navy in 1984, identified numerous contaminated areas including: the oil reclamation ponds, industrial landfill, bay fill area, ba ttery and electroplating shop, tank farm, pickling and plate yard , scrap yard and an old transformer storage yard, submarine base area and bay sediment area. Recent investigation identified addi tional areas such as disposal trenches and salvage yard, oily lig uid waste disposal area, oily waste ponds, incineration tank, and drum storage and disposal area. The Navy also documented and rep orted alleged illegal dumping byTriple A Machine Shop leading to the identification of additional contaminated areas. Remedial fiel d work for Parcel E will begin in early 1991. Soils at the Parcel E sites are contaminated with copper, lead, cadmium, nickel and other heavy metals. Other contaminants include asbestos, liquid wastes, oil, gasoline and PCBs. The power plant in Building 521 o perated from 1950 to 1969. After the site was closed, the area wa s used for disposal of waste asbestos, battery acids and chemical containers. The Navy removed asbestos from the power plant in O ctober of 1990, and initial field sampling (soil borings and moni tor wells) took place in March 1989. The alleged Triple A sites i ncluded in Parcel E are composed of storage and alleged disposal areas. Asbestos lagging, chlorina- ted solvents, corrosives, lea d, battery acids and lead based paints were stored or dumped at t

Database(s) EPA II

EDR ID Number EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments Date:

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he various sites. Investigations at the alleged Triple A sites ha ve included soil borings in 1987, and test pit excavations in 198 8. The sampling confirmed the presence of metals in the soil. The USTs at Hunters Point include gasoline, diesel, solvents and waste disposal tanks. The Navy has conducted an inventory check and product characterization. All known tanks containing product (solvent, gasoline, diesel, water) were pumped out in October, 1 990. From 1942 until 1974, Hunters Point had a combined sanitar y and storm sewer system. Industrial wastes, acids, electroplati ng liquid wastes, solvents, lead and chromium were discharged dir ectly into the San Francisco Bay. Sandblast wastes, paint chips and metal were also discharged into the Bay via the dry docks. Hu nters Point was placed on the National Priorities List (NPL) in N ovember, 1989. The Federal Facilities Agreement (FFA) was signed by the Navy, EPA and DHS in September, 1990. The San Francisco RWQCB requested to be a signatory to the FFA during the 45-day pu blic comment period; they were added to the finalized agreement. 08231991 Tanks S-812 was a 10,000-gallon steel fuel oil tank, coated 08231991 with asphalt, located near the east side of Building 813. 08231991 Asphalt covered the surface above the tank. The tank was 08231991 rinsed with high pressure steam to remove any residual 08231991 product, and the rinsate was collected by vacume truck 08231991 and transferred to an on-site temporary storage tank for 08231991 analysis, to determine proper disposal. On August 23, 08231991 the soil from around the tank was excavated and the tanks 08291991 RA: Tank2 completed. Tank S-251 was a 1,000-gallon steel 08291991 solvent tank located adjacent to the north side of building 08291991 251. The surface above the tank was covered with asphalt. 08291991 The depth to the bottom of the tanks was 6'2". Prior to the 08291991 removal, soil-gas samples collected in the backfill area 08291991 near the tank contained xylene. TCA, DCE, DCA, and TCE were 08291991 found near the tank, but the source of contamination is 08291991 unknown. On July 30, the tank was removed and soil around 08291991 the tank excavated. The hole was lined with a 10-mil 08291991 synthetic material (to delineate the area) before clean 08291991 backfill material was placed into the hole. Excavated 08291991 soil was placed into roll-off bins for analysis to

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments Date: 08291991 determine proper disposal. Comments: Comments Date: 08291991 Comments: Not reported Comments Date: 08291991 Comments: Tanks @-001, S-002, S-004 were 3,000-gallon steel gasoline Comments Date: 08291991 Comments: and diesel tanks located at the northeast corner of Building Comments Date: 08291991 Comments: 253. They were 6 feet in diameter, 16 feet long, and Comments Date: 08291991 Comments: buried 18 inches below the asphalt covered surface. The Comments Date: 08291991 tanks were installed in 1976 and supplied gasoline and Comments: Comments Date: 08291991 Comments: and diesel to four fuel pumps located at a service station Comments Date: 08291991 island approximately 20 feet west of the tanks. Prior to Comments: Comments Date: 08291991 Comments: the removal soil-gas samples collected near the tanks Comments Date: 08291991 Comments: contained benzene, toluene, and xylene. TCA, DCE, DCA, Comments Date: 08291991 and TCE were also found near the tanks, but the source of Comments: Comments Date: 08291991 contamination is unknown. Liquid in tanks S-001 and S-003 Comments: Comments Date: 08291991 Comments: was removed with the rinsate when all tanks were cleaned. Comments Date: 08291991 Comments: The rinsate was collected by vacume truck and transferred Comments Date: 08291991 Comments: to an on-site temporary storage tank for analysis to Comments Date: 08291991 Comments: determine proper disposal. 08291991 Comments Date: Not reported Comments: Comments Date: 08291991 Comments: On August 29, soil from around the tanks was excavated with Comments Date: 08291991 a backhoe, and soil from on top of the tanks was removed Comments: Comments Date: 08291991 Comments: with shovels and a broom. The tanks were then lifted out of Comments Date: 08291991 Comments: the ground with a crane and transported for disposal. Comments Date: 08291991 Comments: Product pipelines were also removed the same day. The hole Comments Date: 08291991 Comments: was lined with 10-mil synthetic material (to delineate the Comments Date: 08291991 area) before clean backfill material was placed in the hole. Comments: 08311993 Comments Date: Comments: RA - PAR-E -- Removal Action completed at Parcel "E". Comments Date: 08311993 Tank S-505 was an above-ground 270,000 gallon storage tank. Comments: Comments Date: 08311993 Approximately 20,000 gallons of liquid PCB was transported Comments: 08311993 Comments Date:

Database(s) EPA ID

EDR ID Number EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

ITERS POINT NAVAL SH	IIPYARD, PARCEL B (Continued)
Comments:	to Nevada for incineration; after decon and sampling, the
Comments Date:	08311993
Comments:	tank was cut into pieces and disposed of as scrap.
Comments Date:	08311993
Comments:	Approximate cost = \$1,000,000; Funding = DSMOA.
Comments Date:	09011994
Comments:	Drydock 4 Final FOSL signed and lease executed 10/12/94.
Comments Date:	09041990
Comments:	Removal Action #1: Asbestos removal at 22 spots throughout
Comments Date:	09041990
Comments:	the site. Approximately 244 cubic yards of material, 09041990
Comments Date: Comments:	weighing 35 tons and including four tanks from the power
Comments Date:	09041990
Comments:	plant, were removed.
Comments Date:	09041990
Comments:	Removal Action #2: Contents of 23 underground storage tanks
Comments Date:	09041990
Comments:	located throughout the site were removed. A total of 226,900
Comments Date:	09041990
Comments:	gallons of liquids were removed.
Comments Date:	09301995
Comments:	The Parcel E/Basewide sandblast grit removal action was completed
Comments Date:	09301995
Comments:	09/30/95. Three thousand tons of sandblast grit was sent to an
Comments Date:	09301995
Comments:	asphalt manufacturing plant for recycling. The sandblast grit con 09301995
Comments Date:	tained elevated metals. The Department assisted the Navy in devel
Comments: Comments Date:	09301995
Comments:	oping the recycling plan. It is hoped that the Navy will be able
Comments Date:	09301995
Comments:	to recycle all the sandblast grit materials at Hunters Point. Ap
Comments Date:	09301995
Comments:	proximate Cost and Funding Source: \$600,000 DSMOA Size of Activit
Comments Date:	09301995
Comments:	y: Large
Comments Date:	12311994
Comments:	RA - POST - As part of the Parcel E remedial investigation, it be
Comments Date:	12311994
Comments:	came apparent that warning signs needed to be posted along side o
Comments Date:	12311994 f the Bay. These signs warn fisherman, who fish illegally on the
Comments: Comments Date:	12311994
Comments:	Navy's property, of possible contaminated fish. The submerged a
Comments Date:	12311994
Comments:	rea owned by the Navy is contaminated with inorganics and pestici
Comments Date:	12311994
Comments:	des. Five signs were installed. Approximate cost = \$20,000; fund
Comments Date:	12311994
Comments:	ing = BRAC.
Comments Date:	08231991
Comments:	Not reported
Comments Date:	07061994
Comments:	Basewide - Historically, this OU was referenced as Group 5. (Base
Comments Date:	07061994
Comments:	wide OU is also referred to as Parcel E.)

Database(s) EPA

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments Date:	07251991
Comments:	Naval shipyard from 1941 until it was decommissioned in
Comments Date:	07251991
Comments:	1974. In 1976, the Navy leased the facility to Triple A
Comments Date:	07251991
Comments:	MAchine Shop. Contamination resulted from previous shipyard
Comments Date: Comments:	07251991 activities and alleged illegal disposal of hazardous waste.
Comments Date:	07251991
Comments:	Soil and groundwater contaminants include TPH, PCBs, Cu, Pb,
Comments Date:	07251991
Comments:	As, Cd, Cr, BTX&E, acids, asbestos, TCE, TCA, PCE, and
Comments Date:	07251991
Comments:	pesticides.
Comments Date:	08081995
Comments:	SSEBS completed for building 368, 369, & berth 14 to be leased fo
Comments Date:	08081995
Comments:	r materials storage and berthing. Approx 50,000 sf.
Comments Date:	08121991
Comments:	RA: Tank4 completed. Tanks S-508 was a 750-gallon steel
Comments Date:	08121991 fuel oil tank located at the southeast side of Building 500
Comments: Comments Date:	08121991
Comments:	and was used to store fuel oil for a boiler in the building.
Comments Date:	08121991
Comments:	The tank measured approximately four feet in diameter and
Comments Date:	08121991
Comments:	eight feed long. The surface cover above the tank was
Comments Date:	08121991
Comments:	asphalt. Prior to the removal, a soil sample taken
Comments Date:	08121991
Comments:	contained 90ppm of hydrocarbon contamination. The tank was
Comments Date:	08121991
Comments:	removed on July 25, 1991 for disposal. The tank had
Comments Date: Comments:	08121991 numerous holes in it. The excavated area was lined with a
Comments Date:	08121991
Comments:	10-mil synthetic material (to delineate the area) and the
Comments Date:	08121991
Comments:	excavated soil was placed back in.
Comments Date:	08121991
Comments:	Not reported
Comments Date:	08121991
Comments:	Tanks S-711, S-712, S-713, and S-715 were 5,000-gallon steel
Comments Date:	08121991
Comments:	gasoline and diesel tanks, and tank S-715 was a 500-gallon
Comments Date:	08121991
Comments: Comments Date:	steel waste oil tank. All five tanks were located at 08121991
Comments:	Building 709, an abandoned service station. Concrete and
Comments Date:	08121991
Comments:	asphalt covered the surface above the tanks. Soil samples
Comments Date:	08121991
Comments:	collected prior to the removal showed benzene, toluene, and
Comments Date:	08121991
Comments:	xylene near tanks S-711 through S-714 and xylene and toluene
Comments Date:	08121991

EDR ID Number Database(s) EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

#### S101272855

Comments: near tank S0715. TCA, DCE, DCA, and TCE was also found near Comments Date: 08121991 tank S-715. Tanks containing flammable vapors in excess of Comments: Comments Date: 08121991 Comments: 10% of the lower explosive limit were purged with dry ice. Comments Date: 08121991 Comments: All the tanks were rinsed with high pressure steam to Comments Date: 08121991 Comments: remove any residual product and the rinsate was collected by Comments Date: 08121991 Comments: vacume trucks and transferred to an on-site temporary Comments Date: 08121991 Comments: storage tank for analysis. On August 12, 1991, soil from Comments Date: 08121991 Comments: around the tanks was excavated and the tanks removed for Comments Date: 08121991 disposal. The tanks had no visible holes, but it Comments: Comments Date: 08121991 Comments: appeared that diesel had leaked into the soil. The Comments Date: 08121991 excavated area was lined with a 10-mil synthetic material Comments: Comments Date: 08121991 Comments: (to delineate the area) and the excavated soil was Comments Date: 08121991 Comments: replaced. 08191991 Comments Date: Comments: RA: Tank3 completed. Tank S-203 was a 300-gallon steel Comments Date: 08191991 Comments: gasoline tank located south of Building 203 measuring Comments Date: 08191991 Comments: approximately six feet long and three feet in diameter. Comments Date: 08191991 Prior to this removal, soil-gas samples taken near the tank Comments: Comments Date: 08191991 contained benzene, toluene, and xylene. TCA, DCE, DCA, and Comments: Comments Date: 08191991 Comments: TCE were found in samples taken near the tank. Soil was Comments Date: 08191991 Comments: excavated from around the tank and the tank was removed on Comments Date: 08191991 August 1, 1991. The excavated area was lined with a 10-mil Comments: Comments Date: 08191991 Comments: synthetic material (to delineate the area) before clean Comments Date: 08191991 Comments: backfill material was placed into the hole. Excavated soil Comments Date: 08191991 was placed into roll-off bins for analysis to determine Comments: Comments Date: 08191991 Comments: proper disposal. 08191991 Comments Date: Not reported Comments: Comments Date: 08191991 Comments: Tanks S-304 and S-305 were 6,880-gallon steel gasoline tanks Comments Date: 08191991 located approximately 20 feet east of Building 304. They Comments: Comments Date: 08191991 were approximately nine feet in diameter and 14 feet long. Comments:

Database(s)

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

TERS FOINT NAVAL SF	IFTARD, FARCEL B (Continued)
Comments Date:	08191991
Comments:	Asphalt covered the surface above the tanks. The tanks
Comments Date:	08191991
Comments:	supplied gasoline to two fuel pumps located at a service
Comments Date:	08191991
Comments:	station island about 30 feet west of Building 304. Soil-
Comments Date:	08191991
Comments:	gas samples collected prior to the removal contained
Comments Date: Comments:	08191991 benzene, toluene, and xylene. TCA, DCE, DCA, and TCE were
Comments Date:	08191991
Comments:	also found near the tanks, but the source of contamination
Comments Date:	08191991
Comments:	is unknown. The tanks were rinsed with high pressure steam
Comments Date:	08191991
Comments:	to remove any residual product, and the rinsate was
Comments Date:	08191991
Comments:	collected by vacuum trucks and transferred to an on-site
Comments Date:	08191991
Comments:	temporary storage tank for analysis. Soil from around the
Comments Date:	08191991
Comments:	tanks was excavated and the tanks removed on August 19th.
Comments Date:	08191991
Comments:	The following day the prudect pipelines were removed. The
Comments Date:	08191991
Comments:	hole was lined with a 10-mil synthetic material (to
Comments Date:	08191991 delineate the erec) before clean beakfill material was
Comments: Comments Date:	delineate the area) before clean backfill material was 08191991
Comments:	placed into the hole. The excavated soil was placed into
Comments Date:	08191991
Comments:	roll-off bins for analysis to determine proper disposal.
Comments Date:	08231991
Comments:	removed. The hole was lined with a 10-mil synthetic
Comments Date:	08231991
Comments:	material (to delineate the area), before clean backfill
Comments Date:	08231991
Comments:	material was placed into the hole. The excavated soil was
Comments Date:	08231991
Comments:	placed in roll-off bins for analysis to determine proper
Comments Date:	08231991
Comments:	disposal.
Comments Date: Comments:	08231991 RA: Tank1 complated. Tanks S-435 (1) and S-435 (2) were
Comments Date:	08231991
Comments:	750-gallon steel solvent tanks located approximately 15 feet
Comments Date:	08231991
Comments:	east of Building 435. The surface above the tanks was
Comments Date:	08231991
Comments:	covered with concrete. Prior to this removal action,
Comments Date:	08231991
Comments:	soil-gas samples collected near the tanks were found to
Comments Date:	08231991
Comments:	contain benzene, toluene, and xylene. TCA, DCE, DCA, and
Comments Date:	08231991
Comments:	TCE were also found in samples near the tanks. On August 6,
Comments Date:	08231991

Database(s) EPA ID

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

IN	TERS POINT NAVAL SH	IPTARD, P	ARCEL B (Continued)	5101272855
	Comments:	the tanks v	vere removed. The tanks were in good condition.	
	Comments Date:	08231991	-	
	Comments:	The hole w	vas lined with a 10-mil synthetic material (to	
	Comments Date:	08231991		
	Comments:		he area), before clean backfill material was	
	Comments Date:	08231991		
	Comments:	•	the hole. Excavated soil was placed in roll-off	
	Comments Date:	08231991		
	Comments: ID Name:		alysis to determine proper disposal. ABASE PCODE	
	ID Value:	P23058	ABASE FCODE	
	Alternate Name:		POINT NAVAL SHIPYARD, PARCEL EHUNTERS POINT NAVAL	SHIPYARD
		BASEWID	ETRIPLE A MACHINE SHOPHUNTERS PT NAVAL SHIPYD- TREA VAL SHIPYARD, GROUP 5HUNTERS POINT NAVAL SHIPYARD,	SURE ISLANDHUNTERS
	Special Programs Code:			
			ALIGNMENT & CLOSURE, 2ND ROUND	
	Special Programs Code:			
	Special Programs Name:	DEFENSE	MEMORANDUM OF AGREEMENT	
	Region:	BERKELE	Y	
	Facility ID:	38440007	1	
	Facility Type:	CLOSE		
	Type:	CLOSED N	MILITARY BASE	
	Branch:	NO		
	Branch Name:	OMF-NOR	THERN CALIF	
	File Name:	Not reporte	ed	
	State Senate District:	07211999		
	Status:		NORKPLAN (AWP) - ACTIVE SITE	
	Status Name:		NORKPLAN - ACTIVE SITE	
	Lead Agency: NPL:	Not Listed	TOXIC SUBSTANCES CONTROL	
	SIC Code:	44		
	SIC Name:		RANSPORTATION	
	Access:	Not reporte		
	Cortese:	Not reporte		
	Hazardous Ranking Score	e:	Not reported	
	Date Site Hazard Ranked	l:	Not reported	
	Groundwater Contaminat	ion:	Suspected	
	Staff Member Responsibl		TLANPHAR	
	Supervisor Responsible f		Not reported	
	Region Water Control Bo		SF	
	Region Water Control Bos Lat/Long Direction:	ard Name:	Not reported	
	Lat/Long (dms):		0 0 0 / 0 0 0	
	Lat/long Method:		Not reported	
	Lat/Long Description:		PAR F IS SUBMERGED PORTION OF SHIPYARD	
	State Assembly District C	ode:	13	
	State Senate District Cod		03	
	Facility ID:		38440007	
	Activity:		RMDL	
	Activity Name:		REMEDIAL ACTION (RAP REQUIRED)	
	AWP Code:		PAR-F	
	Proposed Budget:		0	
	AWP Completion Date: Revised Due Date:		07312009 Not reported	
	Comments Date:		Not reported Not reported	
	Est Person-Yrs to comple	te.	0	
			-	

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

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 Not reported Well Decommissioned: 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: 38440007 Activity: DES Activity Name: DESIGN AWP Code: PAR-F Proposed Budget: 0 AWP Completion Date: 06302008 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 Not reported Activity Comments: For Commercial Reuse: 0 0 For Industrial Reuse: For Residential Reuse: 0 Unknown Type: 0 38440007 Facility ID: Activity: CERT Activity Name: CERTIFICATION AWP Code: PAR-F Proposed Budget: 0 AWP Completion Date: 12312009 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 0 Liquids Removed (Gals): Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported

Database(s)

EDR ID Number EPA ID Number

Removal Action Certification	n: Not reported	
Activity Comments:	Not reported	
For Commercial Reuse:	0	
For Industrial Reuse:	0	
For Residential Reuse:	0	
Unknown Type:	0	
Alternate Address:	5 ACRES; SE PORTION OF SF, CA	
Alternate City,St,Zip:	AN FRANCISCO, CA 94101	
Background Info:	ne site is located on a promontory in so	
	e promontory is bounded on the north a	
	Bay and on the south and west by the	
	ct of the City of San Francisco. The en	
	s, 493 of which are on land and 443 of	
	vs used as a naval shipyard by the Na	•
	ecommissioned in 1974. In 1976, the N A Machine Shop. Triple A Machine Sh	
	for illegal disposal of hazardous subs	•
	1986, Triple A Machine shops 10-yea	
	renewed. Currently, the Site is occupi	1
	proximately 200 small businesses whi	
	s. To facilitate environmental investig	
	s well as the ultimate transfer of the pro-	
	facility has been divided into six parce	
	Parcel F is located offshore, and cons	
	underwater land surrounding the centra	
	om 1991 through 1996, field investigat	
	cel F. These investigations included th	
	vestigation and the Ecological Samplir	g and Analysis Plan sampl
	g activities.	
Comments Date:	ot reported	
Comments:	ot reported	
ID Name:	ot reported	
ID Value:	ot reported	
Alternate Name:	UNTERS POINT NAVAL SHIPYARD,	PARCEL CHUNTERS POINT NAVAL SHIPYARD, PARC
Special Programs Code:	•	
Special Programs Name:	ot reported	
CORTESE:		
Region:	CORTESE	
Envirostor Id:	38440002	
Site/Facility Type:	FEDERAL SUPERFUND - LI	STED
Cleanup Status:	ACTIVE	
Status Date:	05/01/1986	
Site Code:	200050	
Latitude:	37.729722	
Longitude:	-122.36388	
Owner:	Not reported	
Enf Type:	Not reported	
Swat R:	Not reported	
Flag:	export	
Order No:	Not reported	
Waste Discharge System		
Effective Date:	Not reported	
Region 2:	Not reported	
WID Id:	Not reported	
Solid Waste Id No:	Not reported	
Waste Management Uit N	ne: Not reported	

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Region: CORTESE Envirostor Id: 38440003 Site/Facility Type: FEDERAL SUPERFUND - LISTED Cleanup Status: ACTIVE Status Date: 05/01/1986 Site Code: 200050 Latitude: 37.726111 -122.35888 Longitude: Owner: Not reported Enf Type: Not reported Swat R: Not reported export Flag: 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 Region: CORTESE Envirostor Id: 38440004 Site/Facility Type: FEDERAL SUPERFUND - LISTED Cleanup Status: ACTIVE Status Date: 05/01/1986 200050 Site Code: Latitude: 37.721111 Longitude: -122.36416 Owner: Not reported Enf Type: Not reported Swat R: Not reported Flag: export Order No: Not reported Waste Discharge System No: Not reported Not reported Effective Date: Region 2: Not reported WID Id: Not reported Solid Waste Id No: Not reported Waste Management Uit Name: Not reported CORTESE Region: Envirostor Id: 38440005 Site/Facility Type: FEDERAL SUPERFUND - LISTED Cleanup Status: ACTIVE Status Date: 05/01/1986 Site Code: 200050 Latitude: 37.719722 Longitude: -122.37138 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

Database(s)

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

			01012720
Solid Waste Id No: Waste Management Uit	Name <sup>.</sup>	Not reported Not reported	
these management of	i turno.		
Region:		CORTESE	
Envirostor Id:			
Site/Facility Type:		FEDERAL SUPERFUND - LISTED	
Cleanup Status: Status Date:		ACTIVE 07/21/1999	
Site Code:		200050	
Latitude:		37.718888	
Longitude:		-122.37416	
Owner:		Not reported	
Enf Type:		Not reported	
Swat R:		Not reported	
Flag:		export	
Order No:	na Max	Not reported	
Waste Discharge System Effective Date:	m NO:	Not reported	
Region 2:		Not reported Not reported	
WID Id:		Not reported	
Solid Waste Id No:		Not reported	
Waste Management Uit	Name:	Not reported	
ENVIROSTOR:			
Facility ID:	38440005		
Status:	Active		
Status Date:	05/01/198	6	
Site Code:	200050		
Site Type:	Federal S		
Site Type Detailed:	Closed Ba	ase	
Acres:	196.6		
NPL: Regulatory Agencies:	YES	RWQCB 2 - San Francisco Bay, US EPA	
Lead Agency:	SMBRP,U	•	
Program Manager:	Ryan Miya		
Supervisor:	Denise Ts		
Division Branch:	Cleanup E		
Assembly:	17		
Senate:	11		
Special Program:	Navy		
Restricted Use:	NO		
Site Mgmt Req:	NONE SF BRAC 91	'ECIFIED	
Funding: Latitude:	37.71972		
Longitude:	-122.3713	3	
APN:	NONE SF		
Past Use:		CKS, FOUNDRY, LABORATORIES- RADIOACTIVE, LANDFILL -	
		UCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WAST	
	RAIL ROA	AD MAINTENANCE SHOP, RAILROAD RIGHT OF WAY, SAND BLA	STING,
		D - SHIP BUILDING/REPAIR	
Potential COC:		CIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXT	<b>TURES</b> *
		nated Biphenyls Asbestos Containing Materials (ACM * Sludge	
		senic * Asbestos and Naturally Occurring Asbestos (NOA Lead	
		Polychlorinated biphenyls (PCBs Polynuclear aromatic ons (PAHs Radioactive Isotopes TPH-diesel TPH-gas TPH-MOTOR	
		oroethylene (TCE PCBs (unspeciated mixture, high risk, e.g.	
	Aroclor 12		

EDR ID Number Database(s) EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

IUNTERS POINT NAVAL SH	IFTARD, PARCEL B (Continued)	31
Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name: Alias Type: Alias Name: Alias Name: Alias Name: Alias Type: Alias Type: Alias Type: Alias Type: Alias Type: Alias Type: Alias Type:	Arsenic * Asbestos and Naturally Occurring Asbestos (NOA Lead Methane 30470-NO Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Radioactive Isotopes TPH-diesel TPH-gas Trichloroethylene (TCE TPH-MOTOR OIL OTH, SED, SOIL HUNTERS POINT NAVAL SHIPYARD, BASEWIDE Alternate Name HUNTERS POINT NAVAL SHIPYARD, GROUP 5 Alternate Name HUNTERS POINT NAVAL SHIPYARD, PARCEL E Alternate Name HUNTERS PT NAVAL SHIPYD- TREASURE ISLAND Alternate Name	31
Alias Name:	TRIPLE A MACHINE SHOP	
Alias Type:	Alternate Name	
Alias Name:	110033615023	
Alias Type:	EPA (FRS #)	
Alias Name:	P23058	
Alias Type:	PCode	
Alias Name:	200050	
Alias Type:	Project Code (Site Code)	
Alias Name:	38440002 Environter ID Number	
Alias Type: Alias Name:	Envirostor ID Number 38440003	
Alias Type:	Envirostor ID Number	
Alias Name:	38440004	
Alias Type:	Envirostor ID Number	
Alias Name:	38440005	
Alias Type:	Envirostor ID Number	
Alias Name:	38440007	
Alias Type:	Envirostor ID Number	
Completed Info: Completed Area Name: Completed Sub Area Na Completed Document Ty Completed Date: Comments:		
Completed Area Name:	PARCEL-E	
Completed Sub Area Na		
Completed Document Ty		
Completed Date:	02/13/1996	
Comments:	The Parcel E/Basewide sandblast grit removal action was completed 09/30/95. Three thousand tons of sandblast grit was sent to an asphalt manufacturing plant for recycling. The sandblast grit contained elevated metals. The Department assisted the Navy in developing the recycling plan. It is hoped that the Navy will be able to recycle all the sandblast grit materials at Hunters Point. Approximate Cost and Funding Source: \$600,000 DSMOA Size of Activit Large	ıy:
Completed Area Name:	PARCEL-E	
Completed Sub Area Na	me: B-368	
Completed Document Ty		
Completed Date:	09/06/1995	
Comments:	Not reported	

Database(s) EPA

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SHIPY	UNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E B-368 Finding of Suitability to Lease 08/08/1995 SSEBS completed for building 368, 369, & berth 14 to be leased for materials storage and berthing. Approx 50,000 sf.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E POST Other Report 12/31/1994 As part of the Parcel E remedial investigation, it became apparent that warning signs needed to be posted along side of the Bay. These signs warn fisherman, who fish illegally on the Navy's property, of possible contaminated fish. The submerged area owned by the Navy is contaminated with inorganics and pesticides. Five signs were installed. Approximate cost = \$20,000; funding = BRAC.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E B-606 Finding of Suitability to Lease 07/01/1994 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E TANK Removal Action Completion Report 09/24/1991 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E TANK Removal Action Completion Report 01/17/1991 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E ACM Removal Removal Action Completion Report 01/17/1991 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Remedial Investigation Report 06/13/2008 Results of the nature and extent screening process identified metals, semivolatile organic compounds, PCBs, and TPH as the predominant chemicals present in soil and groundwater at Parcel E. The primary areas of contamination include Triple A sites across Parcel E, specifically Triple A Sites 2 (Industrial Disposal Area), 3 (Scrap Yard), 4 (Disposal Trench Area), 13 (former location of Tank S-505), and 17 (Former Waste Oil Reclamation Ponds at IR-03); PCB hotspot removal action area (IR-02 Northwest); IR-02 Northwest and Central removal action area (formerly Radium Dials Disposal Area); Building 406 trichloroethene source area, Building 709 benzene source area, and Navy industrial storage and scrap yard areas; and railroad spurs.	

Database(s) EPA ID N

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		S101272855
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Proposed Plan 02/13/2013 Proposed Plan went out for public comment on 2/13/2013. All comments received will be addressed in the upcoming Parcel E / UC-3 Record of Decision.	
Completed Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Record of Decision 12/23/2013 The selected remedy presented in the ROD consists of the following actions to address risks posed by contaminated media: Soil: remove and dispose of contaminated soil in selected areas that contain nonradioactive chemicals (including metals, PCBs, SVOCs, and TPH) at concentrations exceeding risk-based levels; treat VOC contamination in soil and soil gas at Building 406 by using in-situ soil vapor extraction (SVE); install durable covers throughout Parcel E to eliminate the exposure pathways to remaining contaminants in soil; install shoreline protection consisting of natural materials to eliminate the exposure pathways to remaining contaminants in shoreline sediment; monitor and maintain the different parts of the selected remedies to ensure they are working properly; and implement institutional controls to restrict specific land uses and activities. Groundwater: treat VOC contamination in groundwater at inland plumes using injected biological nutrients to accelerate the breakdown of VOCs to nontoxic compounds; install a below-ground barrier in the northwest portion of IR-02 to control discharge of contaminated groundwater (containing primarily metals and PCBs) into San Francisco Bay; and monitor groundwater concentrations and plumes to support the selected remedies, including documenting the beneficial impact to groundwater quality following implementation of the selected remedies. Non-Aqueous Phase Liquids (NAPL) at IR-03: remove or treat contaminated materials at the Former Oliy Waste Ponds (primarily NAPL); install a below-ground barrier to control discharge of NAPL and contaminated groundwater into San Francisco Bay; and treat VOC and TPH contamination in groundwater using injected biological nutrients to accelerate the breakdown of chemicals to nontoxic compounds. Radionuclides: perform surveys in areas with potential radiological contamination (including structures, former building sites, and buried storm drain and sever lines), and separate and dispose	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E IR-02 Removal Action Workplan 11/23/2005 On 11/23/2005, DTSC concrred with a removal action workplan for excavation of radiologically contaminated soil at IR02 in Parcels e	

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
	and E2. Approximately 40,000 cubic yards of soil will be removed. This action will advance evaluation and implementation of the final remedy for the parcels.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E IR-02 Removal Action Workplan 11/23/2005 On 11/23/2005, DTSC concurred with the removal action workplan for the metal debris reef and metal slag areas in Parcel E2. The workplan calls for removal of 5000 cubic yards of waste. This action will advance evaluation and implementation fo a final remedy for the Parcel in 2011.	
Completed Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Remedial Investigation / Feasibility Study 06/22/2011 This RI/FS Report summarizes and evaluates the nature and extent of contamination using all available data, including information from removal actions that have removed potential contamination sources at Parcel E-2. Parcel E-2 consists of 47.4 acres of shoreline and lowland coast along the southwestern portion of HPS, and contains four distinct areas: (1) The oLandfill Area, o which comprises the entire Parcel E-2 Landfill and its immediate perimeter; (2) The oPanhandle Area, o located west and southwest of the Landfill Area; (3) The oEast Adjacent Area,o located to the east of the Landfill Area; and (4) The oShoreline Areao located at the interface with San Francisco Bay. Parcel E-2 is part of an area created in the 1940s, 1950s, and 1960s by filling in the bay margin with various materials, including soil, crushed bedrock, dredged sediments, and debris. The nature and extent evaluation was performed for the following media: (1) solid waste and soil in the Landfill Area; (2) landfill gas; (3) soil and isolated solid waste in the adjacent areas (Panhandle, East Adjacent, and Shoreline Areas); (4) groundwater; (5) surface water; and (6) shoreline sediment. The chemicals of concern identified include metals (lead, arsenic, antimony, cadmium, copper, manganese, mercury, nickel, vanadium, zinc), PCBs, PAHs, dieldrin, and DDT. Radionuclides in soil and groundwater are evaluated in the radiological addendum to the RI/FS Report. The following remedial alternatives were developed for Parcel E-2 from the technologies and process options retained: Alternative 1 u No Action; Alternative 2 u Excavate and Dispose of Solid Waste, Soil, and Sediment (including monitoring, institutional controls, and unlined freshwater wetlands); Alternative 3 u Contain Solid Waste, Soil, and Sediment with Hot Spot Removal (including monitoring, institutional controls, and unlined freshwater wetlands); and Alternative 5 u Contain Solid Waste, Soil, Sediment, and Grou	

EDR ID Number Database(s)

**EPA ID Number** 

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

the environment. Alternatives 2, 3, 4, and 5 would be effective remedial alternatives for Parcel E-2. Alternatives 3, 4, and 5 appear to be significantly more feasible, predictable, cost effective, time-effective, and implementable remedies, when compared with Alternative 2. Alternatives 4 and 5 offer improved long-term effectiveness but have a higher cost relative to Alternative 3. The sion.

	effectiveness but have a higher cost relative to Alternative 3. remedy for Parcel E-2 will be selected in the Record of Decisi
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	10/04/2005
Comments:	Not reported
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	10/04/2005
Comments:	Sent no further comment letter.
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	10/04/2005
Comments:	sent no further comment letter
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	10/04/2005
Comments:	sent no further comment letter
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	10/04/2005
Comments:	no further comment letter
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	10/04/2005
Comments:	no further comment letter
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	11/02/2005
Comments:	no draft final document. No further comments on final
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	11/16/2005
Comments:	Letter stated that we have no further comments at this time.
Completed Area Name:	Parcel E-2

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	IR 01/21 Removal Action Workplan 11/23/2005 On 11/23/2005, DTSC concurred with the Removal Action Workplan for excavation of PCB hotspots in Parcel E2. Approximatley 50,000 cubic yards of contaminated material will be removed. This will aid in preparation of the site for evaluation and implementation of a final rememdy in 2011.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Removal Action Completion Report 02/08/2008 DTSC agrees with the conclusion of the report. More removal is necessary along the shoreline of Parcel E2	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Proposed Plan 09/07/2011 Proposed Plan went out for public comment on 9/7/2011. All comments received will be addressed in the upcoming Parcel E-2 Record of Decision.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Record of Decision 11/20/2012 The selected remedy consists of the following actions to address risks posed by contaminated media: = Remove and dispose of contaminated soil in selected areas that contain high concentrations of non-radioactive chemicals, and separate and dispose of materials and soil with radiological contamination found in these areas = Perform radiological surveys throughout Parcel E-2 and separate and dispose of materials and soil with radiological contamination found during the surveys = Install a soil cover over all of Parcel E-2, with a protective liner (consisting of a geomembrane with an overlying geocomposite drainage layer) where needed to minimize water seeping into the contaminated material = Install below-ground barriers to limit groundwater flow from the landfill to San Francisco Bay, including a contingency action to hydraulically control groundwater (behind the barrier) if necessary to satisfy pertinent applicable or relevant and appropriate requirements (ARARs) = Remove and treat landfill gas to prevent it from moving beyond the Parcel E-2 boundary = Build a shoreline revetment = Monitor and maintain the different parts of the selected remedy to ensure they are working properly = Use institutional controls to restrict specific land uses and activities on Parcel E-2	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Removal Action Design 07/31/2009 Deferred final comments and approval to RWQCB.	
Completed Area Name: Completed Sub Area Name:	PARCEL-E IR-02	

EDR ID Number Database(s) EPA ID Number

Completed Document Type: Completed Date: Comments:	Removal Action Completion Report 02/08/2008 Approximately 49,500 cubic yards of soil was removed. All post-excavation bottom and sidewall samples were below the readiological remedial action objectives (RAOs) for strontium-90 and cesium-137. 155 of 160 samples were below the RAOs for radium-226. 2,342 point sources and pieces of radiologically-impacted debris were removed during the exavation.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E IR-02 Removal Action Completion Report 02/08/2008 DTSC comment letter identified issues with Response to Comments and asked that they be addressed.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 *Action Memorandum (if >\$1M) 10/17/2005 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 12/08/2005 No further comments were necessary. Monthly landfill gas monitoring will continue.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Site Summary Report 06/29/2007 Dr. Jim Polisini provided comments to Navy's Response to Agency Comments
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Monitoring Report 08/04/2006 Letter requrested that DTSC comments be included in RTCs.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Monitoring Report 12/01/2005 DTSC provided comments on draft. Final document did not include response to DTSC comments. Letter requested that Navy include DTSC comments and respond.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Monitoring Report 02/02/2007 not an approval, more work needed on gw monitoring program and reports.
Map ID	
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Direction	
Distance	
Elevation	Site

	ARD, PARCEL B (Continued)	S101272855
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Monitoring Plan 04/19/2010 CDFG has concerns that have been provided to the Navy but they will be evaluated and incorporated moving forward in the Remedial Investigation / Feasibility Study.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Monitoring Report 02/02/2007 not an approval, more work needed on gw monitoring program and reports.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Monitoring Report 02/02/2007 not an approval, more work needed on gw monitoring program and reports Not reported	3
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Monitoring Report 07/18/2007 DTSC, RWQCB, EPA and Navy continue to discuss improvements to the quarterly groundwater monitoring program.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Monitoring Report 10/03/2006 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Feasibility Study Report 03/30/2011 The Final RI/FS Report for Parcel E-2 developed five remedial alternatives for Parcel E-2 that are also presented in this radiological addendum. The five remedial alternatives for Parcel E-2 are: (a) Alternative 1: No Action (b) Alternative 2: Excavate and Dispose of Solid Waste, Soil, and Sediment (including monitoring, institutional controls, and unlined freshwater wetlands) (c) Alternative 3: Contain Solid Waste, Soil, and Sediment with Hot Spot Removal (including monitoring, institutional controls, and lined freshwater wetlands) (d) Alternative 4: Contain Solid Waste, Soil, Sediment, and Groundwater with Hot Spot Removal (including monitoring, institutional controls, and lined freshwater wetlands) (e) Alternative 5: Contain Solid Waste, Soil, Sediment, and Groundwater with Hot Spot Removal (including monitoring, institutional controls, and unlined freshwater wetlands) Alternatives 2, 3, 4, and 5 were developed to address nonradioactive chemical contamination throughout Parcel E-2, and include varying amounts of intrusive work within radiologically impacted areas. As a result, Alternatives 2, 3, 4, and 5, as presented in the Final RI/FS	

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S		
	Report, specify radiological control procedures to properly screen, segregate, characterize, and dispose of radioactive materials throughout Parcel E-2. The remedial alternatives evaluated in this radiological addendum are consistent with the remedial alternatives evaluated in the RI/FS Report, but also identify additional components of the alternatives that are needed to meet the RAO for radioactively contaminated media. The additional components are: [1] Removal and remediation of sanitary sewer, storm drain, and septic sewer lines that extend into the East Adjacent Area but are located outside of the IR Site 01/21 site boundary, [2] Removal and remediation of the ship-shielding berm in the Panhandle Area, and [3] Final status surveys of the excavated subgrade of Parcel E-2 prior to backfilling with soil meeting the radiological acceptance criteria.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Technical Report 02/09/2010 This Amended Action Memorandum is an amendment to the Final Action Memorandum, Time- Critical Removal Action for the PCB Hot Spot Area at Parcels E and E-2, Hunters Point Shipyard San Francisco, California, prepared by the Department of the Navy (Navy), May 19, 2005. The purpose of this Amended Action Memorandum is to document the Navy?s decision to undertake a follow-on time-critical removal action (TCRA) to address polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), copper and lead in soil and sediment along the Parcel E-2 shoreline to the west and north of the previous PCB Hot Spot TCRA at Hunters Point Shipyard (HPS) in San Francisco, California. This TCRA will also address PCBs, TPH, copper, lead and four specific volatile organic compounds (VOCs) including tetrachloroethene (PCE) (also known as perchloroethene) in soil in the East Adjacent Area in the southeastern portion of Parcel E-2.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Removal Action Completion Report 05/30/2013 Approximately 42,200 cubic yards of PCB, TPH, lead, copper, and PCE-contaminated soil were excavated, screened, and removed from the upland area and along the Parcel E-2 shoreline of the Bay. Excavation depths ranged from 3 feet to 18 feet below ground surface. The highest contaminants removed included 260 mg/kg PCBs, 15,907 mg/kg TPH, 32,000 mg/kg lead, 12,000 mg/kg copper, and 4.45 mg/kg PCE. Additionally, over 3,000 cubic yards of concrete, asphalt, trash, and large keel blocks/debris were removed from the site, 56 radioactive commodities were recovered and removed, and 17 "material potentially presenting an explosive hazard" items were determined to be material documented as safe, demilitarized, and recycled as scrap metal.	÷
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Pilot Study/Treatability Workplan 07/29/2009 The Parcel E groundwater treatability study (GWTS) work plan was prepared for the characterization of eight groundwater contamination plumes and to assess zero-valent iron (ZVI) as a treatment technology	

Database(s) EPA ID N

EDR ID Number EPA ID Number

S101272855

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

for shallow, A-aquifer groundwater remediation.

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Pilot/Treatability Study Report 06/08/2011 The purpose of the groundwater treatability study (GWTS) was to evaluate the effectiveness of using zero-valent iron (ZVI) to destroy chlorinated volatile organic compounds (CVOCs) and to reduce metals concentrations in groundwater within Parcel E. The two main phases were (1) characterization of the CVOC plumes in groundwater and soil vapor and the metals plumes in groundwater (Phase I), and (2) treatment of the CVOCs and metals using ZVI (Phase II). The results of the GWTS in Area 1 and Area 3 of the IR36 plume indicated that, within the period of post-injection sampling conducted during this GWTS, ZVI remediation technology achieved the Project Goals (PGs) for CVOCs in groundwater in Parcel E. In addition, the spacing between injection points (approximately 12.5 ft) and the mass of ZVI per unit mass of soil (0.4 percent) used in this GWTS provided sufficient ZVI distribution and mass to attain the PGs. Additional groundwater data are needed to determine if CVOC concentrations in Areas 1 and 3 rebound after ZVI is no longer chemically capable of remediating CVOCs in those areas. Due to the small amount of ZVI injected in the IR12A plume area and the disperse nature of the injection scheme, insufficient data were available to evaluate the technical performance of ZVI injections at the IR12A plume. If treatability study or remedial efforts using ZVI are attempted in the future at the IR12A plume, a higher density of injections points covering a greater portion or the IR12A plume area is recommended.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 10/31/2012 Based on the documentation provided in the FSS Report as well as the results of CDPH?s confirmatory soil sampling, DTSC supports the release for unrestricted use, with respect to radiological issues, of the Building 807 Site and the IR-04 Former Scrap Yard Site.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 04/22/2011 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 04/27/2011 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name:	PARCEL-E Not reported

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)				
Completed Document Type: Completed Date: Comments:	Technical Report 04/28/2011 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.			
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 05/26/2009 Letter serves as the Navy's notice of intent to dissolve the Hunters Point Naval Shipyard Restoration Advisory Board.			
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 09/02/2009 RAB Dissolution Public Notice and Comment Period Announcement sent via e-mail.			
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 05/05/2010 Memo describes the proposed approach for establishing soil gas action levels at Hunters Point Shipyard (HPS) since more recent guidance documents for assessment of health risks from vapor intrusion have become available since Human Health Risk Assessments have been completed historically. All comments have been adequately addressed.			
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 01/27/2010 This survey Unit Project Reports Abstract, was prepared to document work conducted under the Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan (2006) and Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan u Revision 3 (2008) (Work Plan) at Hunters Point Shipyard (HPS), summarizes the scope, approach and radiological surveys used during removal of the sanitary sewer and storm drains located within HPS. This Abstract will be applicable to all Survey Unit Project Reports (SUPR) and data sets prepared for regulatory review.			
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Technical Report 05/19/2011 Revised to incorporate all DTSC comments. Final SUPR acceptance will be documented as a part of regulatory acceptance of the Parcel UC-3 RACR which will be a summation of all SUPRs along Crisp Road.			
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Proposed Plan 02/13/2013 Proposed Plan went out for public comment on 2/13/2013. All comments			

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855		
	received will be addressed in the upcoming Parcel E / UC-3 Record of Decision.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Removal Action Completion Report 04/16/2012 The Parcel UC-3 Radiological RACR and supporting documentation demonstrates that the remaining Parcel UC-3 soil meets the radiological release criteria established for HPNS. Therefore, based on the currently available information, DTSC concurs with the findings in the Parcel UC-3 Radiological RACR that conclude the Parcel UC-3 removal action resulted in the reduction of the potential radiological risks to levels below remediation goals.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Other Report 05/24/2012 The stated purpose of this Action Memorandum is to document the U.S. Department of the Navy?s (Navy) decision to undertake a time-critical removal action (TCRA) to address localized radioactive contamination (cobalt-60) in soil at the Experimental Ship Shielding Range (herein referred to as the Shielding Range) located within the Panhandle Area of Parcel E-2 at Hunters Point Naval Shipyard (HPNS) in San Francisco, California.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 07/30/2010 All methane detections were below the HPS site action level for methane of 2.5%. All non-methane organic compound detections were well below established action levels for gas monitoring probes. Therefore, no additional response action was necessary.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 10/29/2010 For information purposes. All methane results for Q3 2010 were below regulatory limits in onsite structures. On July 20, 2010, methane was detected in GMP24 at 4.6%. On August 24, 2010, methane was detected in GMP24 at 2.9%. On September 28, 2010, methane was detected in GMP24 at 2.7%. All of these detections exceeded the HPS site action level for methane in GMPs (2.5% by volume); therefore, active extraction was initiated directly at GMP24 in each instance. Response monitoring was performed following each action level exceedance, and terminated after observed methane levels were below 1.0% for two consecutive days, as specified in the Master Control Plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Record of Decision 01/21/2014 The selected remedy presented in the Draft ROD consists of the	

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#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) following actions to address risks posed by contaminated media: = Removal of contaminated soil from selected areas that contain high concentrations of chemicals and dispose of contaminated soil offsite. = Removal and disposal of materials and soil with radiological contamination. = Installation of a durable cover consisting of asphalt and concrete surfaces corresponding to reuse area MU-3 on the eastern portion of Parcel UC-3. = Sample, clean, and close steam lines, as needed, within Parcel UC-3. = Soil gas monitoring at the IR Site 56 plume, where volatile organic compound (VOC) contamination is present in groundwater. = Groundwater treatment by injection of biological nutrients to break down VOCs to nontoxic compounds. = Monitor and maintain the durable cover. = Groundwater monitoring of the VOC plume. = Use institutional controls (ICs) to restrict specific land uses and activities within portions of Parcel UC-3. Completed Area Name: Parcel E-2 Not reported Completed Sub Area Name: Completed Document Type: Removal Action Workplan Amendment Completed Date: 06/23/2010 Comments: The Navy is initiating this TCRA to excavate soils and sediments containing PCBs, TPH, copper, and lead along the Parcel E-2 shoreline to the west and north of the previous Parcel E-2 PCB Hot Spot TCRA. This TCRA will also address PCBs. TPH. lead, and four specific volatile organic compounds (VOCs), including tetrachloroethene (PCE) in soil in the East Adjacent Area in the southeastern portion of Parcel E-2. The 2009 RI/FS identified five tiers of Hot Spots for remediation at Parcel E-2. The Hot Spot areas were identified based on the potential for the Hot Spot to be a continuing source to groundwater contamination, the magnitude of soil concentrations relative to risk-based evaluation criteria, and the proximity relative to the San Francisco Bay. This TCRA will use project action limits (PALs) consistent with the hot spot goals established in the Draft Final 2009 RI/FS. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: \*Correspondence - Received Completed Date: 03/23/2010 Comments: Received via e-mail on 3/24/2010. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: \*Correspondence - Received Completed Date: 04/20/2010 Comments: Received hard copy on 4/23/2010. Completed Area Name: PARCEL-E Completed Sub Area Name: Not reported Completed Document Type: Feasibility Study Report Completed Date: 09/13/2012 Comments: This report is a radiological addendum to the Final Feasibility Study (FS) Report for Parcel E. Two general sources of potential radioactive contamination exist at Parcel E: [1] Naval Radiological

Defense Laboratory (NRDL) activities at the former 500 series buildings, Building 707 Triangle Area, and other buildings formerly occupied by NRDL, and [2] historic waste disposal activities that occurred along the shoreline, primarily at IR-02. The radionuclides

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# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	of concern (ROCs) that are potentially present due to historic Navy activities at Parcel E include cesium-137, radium-226, strontium-90, plutonium-239, uranium-235, cobalt-60, and americium-241. As part of this radiological addendum, historical surface soil data for Parcel E were analyzed using the computer code Residual Radioactive (RESRAD) Model Version 6.5 to model radiological risk at the impacted sites. The remedial alternatives evaluated for radionuclides at Parcel E were: [R-1] No Action; [R-2] Survey, Removal, and Disposal (with 2-foot-thick soil cover and institutional controls at IR-02 and IR-03); and [R-3] Survey, Removal, and Disposal (with 3-foot-thick soil cover and institutional controls at IR-03). The remedy for Parcel E will be selected in the ROD following this FS Radiological Addendum and the forthcoming Proposed Plan.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/08/2011 Based on the review of all relevant submitted documents and confirmatory analysis of completed surveys, CDPH-EMB recommends radiological unrestricted release for Building 406.
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	07/31/2009
Comments:	Not reported
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	03/31/2009
Comments:	Not reported
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	04/30/2009
Comments:	Not reported
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	04/30/2010
Comments:	Not reported
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	10/30/2009
Comments:	Not reported
Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	01/30/2009
Comments:	Not reported

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# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

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Completed Area Name:	Parcel E-2
Completed Sub Area Name:	IR 01/21
Completed Document Type:	Monitoring Report
Completed Date:	01/29/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/01/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/01/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/01/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/01/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/01/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	03/01/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	10/09/2009
Comments:	1
Completed Area Name:	PARCEL-E
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/01/2005
Comments:	Not reported
Completed Area Name:	PARCEL-E
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report

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JNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)			
Completed Date: Comments:	07/18/2007 Not reported		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 08/31/2010 Presented as summary and information only documents.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Monitoring Report 04/01/2007 Not reported		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E IR-03 Pilot Study/Treatability Workplan 09/01/2011 The primary objectives of the activities performed in accordance with this Work Plan are: [1] To define the lateral and vertical extent of NAPL at IR-03; [2] To evaluate the effectiveness and estimate the cost of enhanced NAPL removal at IR-03 by in-situ thermal treatment with dual phase extraction as the NAPL extraction technology; and [3] To evaluate the feasibility of removing NAPL contaminated soil at IR-03 by excavation. These objectives will be accomplished through field investigations and a bench-scale treatability study.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E IR-03 Treatability Study Report 03/01/2013 This Site Characterization and Bench-Scale Treatability Study Report was conducted to define the extent of non-aqueous phase liquid (NAPL) and evaluate NAPL remediation by in-situ thermal treatment at Installation Restoration Site 03 (IR-03).		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Removal Action Completion Report 02/28/2013 The objective of this time-critical removal action (TCRA) was to remove the Shielding Range berm and fan-shaped area. A total of 3,828 cubic yards of soil was excavated and removed from the 1.1-acre Shielding Range. The TCRA included removal and screening of soil, sediment, and debris, and a final conditions survey. Cobalt-60 and Radium-226 were not detected above their radiological release criterion. Elevated concentrations of Cesium-137 and Strontium-90 remain and it is recommended that these remaining radionuclides of concern be addressed in the forthcoming remedial design.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 09/14/2011 Based on the review of all relevant submitted documents and analysis of completed confirmatory surveys, DTSC and CDPH-EMB recommend		

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HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
	radiological unrestricted release for Building 810.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/30/2012 Based on the documentation provided in the FSS Report as well as the results of CDPH?s confirmatory soil sampling, DTSC and CDPH support radiological release for unrestricted use at the Building 701 Site.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Finding of Suitability to Lease 07/27/1994 The property to be licensed is comprised of approximately 89,600 square feet within the interior of Building 606, and use of the paved area directly adjacent to the north and south sides of Building 606 as parking areas. The property will be licensed on an interim basis for approximately 4 months to Skellington Productions, Twentieth Century Fox Company (hereinafter, "Company"), for constructing a film production set and filming a feature film.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/19/2010 DTSC did not review / approve this document and it is being provided for informational purposes only.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 11/29/2010 This plan was developed to ensure that the Navy manintains a coordinated approach for dust control and air monitoring activities across multiple contracts. At a minimum, all contractors will be required to adhere to the requirements set forth in the document. DTSC did not review / approve the document as dust control practices are evaluated on a project-specific basis and it has been provided for informational purposes as part of the administrative record.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 06/03/1996 The basewide environmental baseline survey (EBS) report prepared for Hunters Point Annex (HPA), San Francisco, California, summarizes environmental information gathered by PRC Environmental Management, Inc. (PRC), for the Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Engineering Field Activity West (EFA WEST). This document is based on existing environmental information gathered during the period of May to December 1995 related to the storage, release, treatment, or disposal of hazardous substances or petroleum products at HPA.	
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported	

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
Completed Document Type: Completed Date: Comments:	Monitoring Plan 05/16/2011 The 2009 SAP was amended to incorporate the requirements of recent HPS Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) documents, such as Remedial Action Monitoring Plans (RAMPs), Records of Decision (RODs), and Feasibility Studies (FSs), and to update the SAP based on the recent work conducted (eg groundwater treatability studies and corrective actions).	/
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Action Implementation Workplan 07/30/2010 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Technical Workplan 07/18/2011 This Work Plan details the procedures that will be followed to execute geotechnical investigations at Parcel E-2 (Installation Restoration [IR] Site 01/21) and Parcel B (IR Site 26) at Hunters Point Shipyard (HPS) in San Francisco, California. Geotechnical investigations at both sites are being performed for the Department of the Navy (Navy), in support of the Remedial Designs (RDs) for Parcels E-2 and B. The primary tasks include (1) subsurface exploration via geotechnical drilled borings and cone penetrometer test (CPT) borings, (2) geotechnical laboratory testing, and (3) data compilation.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Workplan 01/20/2011 This document was not reviewed or approved by DTSC and was provided for informational purposes only. A Design Plan providing detailed design drawings and technical specifications for each trench segment in Parcel E will be provided under separate cover.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 01/31/2011 For information purposes. All methane results for Q4 2010 were below regulatory limits in onsite structures. On November 29, 2010, methane was detected in GMP24 at 2.8%, exceedeing the HPS site action level for methane in GMPs (2.5% by volume); therefore, active extraction was initiated directly at GMP24. Response monitoring was performed following each action level exceedance, and terminated on December 1, after observed methane levels were below 1.0% for two consecutive days, as specified in the Master Control Plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 06/03/2011 The Community Involvement Plan presents the Navy's plans to inform	

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855		
	and involve the community in the environmental cleanup program moving forward based on feedback obtained from the Hunters Point Shipyard community about past communication and community involvement progra activities.	m
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 04/03/2012 Based on the documentation provided in the FSS Report as well as the results of CDPH?s confirmatory soil sampling, DTSC supports the release for unrestricted use, with respect to radiological issues, of Building 414.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Workplan 02/18/2011 The Design Plan provides design drawings and technical specifications for each trench segment in Parcel E, 500 series area for use during sanitary sewer and storm drain removal. The document was provided for informational purposes only. DTSC did not review or approve the document.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Technical Report 05/24/2011 Final SUPR acceptance will be documented as a part of regulatory acceptance of the Parcel UC-3 RACR which will be a summation of all SUPRs along Crisp Road.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Technical Report 05/27/2011 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel UC-3 RACR.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 03/23/2011 Documents groundwater data collected basewide from April 2010 through September 2010 during the second and third quarter 2010 monitoring events.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Technical Report 06/24/2011 Final Survey Unit Project Report acceptance and formal approval will be documented as part of regulatory approval for the Parcel UC-3 radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name:	Parcel UC-3 Not reported	

HUNTERS POINT NAVAL SHIPYA	ARD, PARCEL B (Continued)	S101272855
Completed Document Type: Completed Date: Comments:	Technical Report 06/28/2011 Final Survey Unit Project Report acceptance and formal approval will be documented as part of regulatory approval for the Parcel UC-3 radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 05/12/2011 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Engineering Evaluation / Cost Analysis - Time Critical 07/26/1996 Removal action documentation for four non-time critical removal actions which include (1) the storm drain system, (2) soil and floating product, (3) groundwater plume in site IR-1/21, and (4) exploratory excavations. The EE/CA identifies removal action screening criteria levels for groundwter, identifies areas of concern, and evaluates removal action alternatives for contaminated groundwater containment within site IR-1/21.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 04/03/2012 Based on the documentation provided in the FSS Report as well as the results of CDPH?s confirmatory soil sampling, DTSC supports the release for unrestricted use, with respect to radiological issues, of the Building 704 Site.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/23/2000 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I (the current document) addresses radioactivity associated with the Naval Nuclear Propulsion Program (NNPP).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/31/2004 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I was published in August 2000 and addressed radioactivity associated with the Naval Nuclear Propulsion Program (NNPP). Volume I concluded that berthing of and work on nuclear-powered ships at HPS resulted in no adverse	

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	effect on the human population or the environment. Volume II of the HRA has been prepared pursuant to the Navy?s Installation Restoration (IR) Program, which encompasses the Navy?s Base Realignment and Closure (BRAC) Program, and in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA). Volume II describes the history of operations involving general radioactive material (G-RAM) that, for the purposes of this document, is defined as any radioactive material used by the Navy or Navy contractors not associated with the NNPP.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Remedial Investigation Report 04/28/1999 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel UC-3 Not reported Other Report 06/22/2011 This report is the final as-built record of the utilites on Crisp Road and summarizes the utility relocation activities. It has been provided for informational purposes only and was not reviewed or approved by DTSC.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported *Correspondence - Received 08/10/2011 This correspondence includes attachments provided from State Agencies and provides Requirements identified by the Department of Toxic Substances Control (DTSC), Air Resources Board, Bay Area Air Quality Management District, California Department of Fish and Game (DFG), California Department of Public Health (CDPH), California Department of Resources Recycling and Recovery (CalRecycle), and the San Francisco Bay Regional Water Quality Control Board.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Site Characterization Report 09/01/1994 The purpose of the SI was to gather data to (1) evaluate weather contamination is present and if a release(s) to the environment has occurred, (2) assess site-specific hydrogeologic conditions where appropriate, and (3) evaluate each site for possible inclusion into the Navy's Installation Restoration program. Four utility sites, five building sites, and the offsite railroad right-of-way were investigated. The utility sites included PA-45 (steam lines), PA-47 (fuel distribution lines), PA-50 (storm drains and sanitary sewers), and PA-51 (former transformer locations). Building sites included PA-38 (former Buildings 506, 507, 509, and 510), PA-39 (Building 707), PA-40 (electrical substation, Building 511A), and PA-56 (Area VII, railroad right of way), PA-54 (former Building 511A), and PA-56 (Area VII, railroad yard). Radiological and underground storage tank sites were also present in Parcel E but were not investigated as part of the Site Investigation.

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Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Workplan 07/07/2011 This revision to the SUPRA is a result of the Survey Unit Project Report (SUPR) prototype that was agreed upon by CDPH in August 2010. All SUPR reports dated after August 2010 incoporate the prototype changes, and now the SUPRA has been updated accordingly.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/21/2011 This monitoring report incorporates revisions made from comments received on the previous semiannual groundwater report (February 2011).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Fieldwork 11/20/2012 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 08/10/2011 All methane results for the second quarter 2011 were below regulatory limits of 5 percent by volume at the site boundary and 1.25 percent by volume in on-site structures. Active extraction was initiated at GMP24 when methane was detected at 3.9% exceeding the HPNS site action level for methane. Active extraction was terminated when observed methane levels were below 1.0% for two consecutive days, as specified in the Master Control Plan. All Non-Methane Organic Compound (NMOC) detections during the second quarter of 2011 were below corresponding HPNS NMOC action levels.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Operations and Maintenance Report 09/02/2011 A breach in the fenceline was observed during one of the quarterly inspections of the landfill area (June 30, 2011) and repaired. Additional Molecontrol electronic animal-repelling devices were installed around the remaining portion of the landfill cap circumference in December 2010 in response to observations of burrowing animal evidence. Invasive plant species are being controlled by mowing which has allowed the grass to reclaim most of the cap proper, as well as reducing fire hazards.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Preliminary Assessment Report 04/15/1994 Previous field investigations, document searches, and studies at HPA have focused primarily on sites considered eligible for funding through the Installation Restoration (IR) program. The Site	

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Assessments were conducted to identify sites potentially contaminated during approximately the past 10 years that were not included in the IR programs in Parcels B, C, D, and E and to make recommendations for additional field activities. Some previously investigated sites were also assessed when new information and/or new areas of the sites were made available or accessible as a result of the Navy's recent building cleanout program or other ongoing activities.

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 12/23/2009 Also included as an appendix (Appendix E) to the Community Involvement Plan.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 06/14/2007 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Technical Workplan 09/13/1996 The document proposes installation of a sheet pile barrier and well points for groundwater control to reduce the exposure to contaminaints of concern for aquatic life and humans ingesting aquatic life.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Technical Report 07/20/1999 Documents the installation of a 600-foot long sheet pile wall keyed into the underlying bay mud.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Plan 08/05/2011 Updates the project personnel list and updates the list of analytes to incorporate groundwater monitoring recommendations provided in the Final In-Situ Anaerobic Bioremediation Treatability Study Completion Report for RU-C1, Building 253, dated June 8, 2011.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Public Notice 09/04/2011 The public notice was published in the SF Bayview, SF Chronicle, and SF Sun Reporter.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	Parcel E-2 Not reported Fact Sheets 09/07/2011

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Comments:	This fact sheet provides a summary of the Proposed Plan for Parcel	
Commente.	E-2 on the Hunters Point Naval Shipyard. In addition, the Proposed Plan and other Parcel E-2 information can be viewed on the BRAC PMO website at: www.bracpmo.navy.mil. The Navy is requesting public comment on the Proposed Plan in writing before October 24th, 2011 u or in person at a 6:00pm public meeting on September 20, 2011 in the Alex L. Pitcher, Jr. Conference Room at the Southeast Community Facility Commission, located at 1800 Oakdale Avenue in San Francisco.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Removal Action Completion Report 02/07/2005 On August 16, 2000, a brush fire was reported on the Industrial Landfill portion of Parcel E-2, Installation Restoration Site (IR) 01/21, at Hunters Point Shipyard (HPS) in San Francisco, California. The Navy responded to the fire by installing an interim landfill cap on the burned portion of the Landfill after the surface fire and the smoldering subsurface areas were extinguished. The interim landfill cap was designed and constructed to extinguish any remaining subsurface fire and to inhibit the occurrence of fire in the future. The interim cap was placed over the burn area of the Landfill. The Navy conducted perimeter air monitoring after the surface fire was extinguished and during installation of the interim landfill cap to assess whether any air contaminants from the landfill fire and subsequent construction activities migrated to adjacent areas of HPS or the nearby community.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Site Summary Report 08/17/2000 The purpose of the radiological sampling was to collect data to (1) determine whether further action is required for Cesium-137 detected in the concrete or soil at Building 364 (Parcel G), and (2)further characterize the level of radioactive contaminants present at the Building 707 concrete pad (Parcel E).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 01/08/2001 The technical memorandum provides the results of the Phase I Groundwater Data Gaps Investigation (GDGI) performed at Hunters Point Shipyard in San Francisco, California. The purpose of the technical memorandum is to document the results from the Phase I GDGI and to provide these results to the BCT such that the BCT can evaluate the Phase sampling and recommend changes to the Phase II sampling, if necessary.	:
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Remedial Investigation Workplan 01/10/1989 Describes sampling fieldwork to be performed at the industrial landfill (including Triple A sites 1 and 16) or IR-1, Bay Fill Area (including Triple A Sites 2, 13, 14, 17, 18, and 19) or IR-2, and the	

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855		
	Oil Reclamation Ponds (part of Triple A Site 17) or IR-3.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Supplemental Site Investigation Tech Memo 05/29/2002 The objectives of the Phase II Groundwater Data Gaps Investigation (GDGI) were to evaluate the condition of existing monitoring wells onsite, complete a basewide measurement of groundwater levels so that a potentiometric map could be developed, and conduct two sampling events at Parcel E to confirm the extent of remedial units for groundwater.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Enforceable Schedule 09/26/2012 Serves as the new comprehensive baseline schedule for the Installtion Restoration Program at HPNS.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 10/29/2012 All methane detections were below the HPNS site action level for methane of 2.5%. All non-methane organic compound detections were also below established action levels. Therefore, no additional response action was necessary during this monitoring period.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/25/2013 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Site Characterization Workplan 06/06/2013 This Work Plan describes soil and sediment sampling activities to refine the lateral and vertical extent of chemicals of concern in impacted areas previously identified in the Final Parcel E Feasibility Study (2012). Data obtained during this investigation will be used to characterize the horizontal and vertical extent of soil and sediment contamination considered for remediation and further refine excavation volume estimates.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 06/07/2013 The objectives were to [1] confirm and potentially expand the boundaries of the proposed excavation areas defined in the Parcel E Feasibility Study (FS) and [2] provide more refined volumetric estimates of material to be removed from each area. To meet these	

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# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	objectives, soil samples were systematically collected from initial delineation borings surrounding the perimeter of each proposed excavation area to more accurately characterize the areal and volumetric extent of each location. The samples were analyzed for the specific contaminants of concern identified that are associated with each proposed excavation area. Additionally, soil samples were also collected from step-out contingency locations surrounding the perimeter. The refined lateral and vertical boundaries of the proposed excavation areas were then used to calculate the total volume of soil to be removed from each specific excavation area, and finally the total volume to be removed from all of Parcel E. Based on the redefined extents of the proposed excavation areas, the total approximate volume of soil to be excavated from Parcel E is 42,604 cubic yards. These estimated areas and approximate excavation volume will ultimately be incorporated into the remedial design (RD) for Parcel E.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 01/21/2013 All methane detections were below the HPNS site action level for methane of 2.5%. All non-methane organic compound detections were also below established action levels. Therefore, no additional response action was necessary during this monitoring period.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 08/30/2013 All confirmation scans and soil sample results indicate that the former Building 506 site meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of the former Building 506 site for unrestricted radiological free release.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 08/30/2013 All confirmation scans and soil sample results indicate that the former Building 508 site meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of the former Building 508 site for unrestricted radiological free release.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 10/11/2013 All confirmation scans and soil sample results indicate that the former Building 507 site meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of the former Building 507 site for unrestricted radiological free release.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	Parcel E-2 IR 01/21 Monitoring Report 07/26/2013

Completed Date:         06/28/2013           Comments:         The Work Plan describes the activities that will be implemented in order to conduct [1] a soli gas survey in the Panhandle, East Adjacent, and Shoreline Areas of Parcel E-2 (areas adjacent to the Parcel E-2 Landfill) to determine if soli gas mitigation will be necessary in conjunction with installation of a liner across the parcel as part of the upcoming remedial action; and [2] a landfill gas (LEG) generation study to estimate the gas generation rates from the Parcel E-2 Landfill, determine the content of the landfill gas (LEG) generation of potential treatment technologies), and estimate the radius of influence of future gas extraction wells. The data from the activities performed in accordance with this Work Plan will be used in development of the Remedial Design for Parcel E-2.           Completed Area Name:         PARCEL-E           Completed Date:         O6/28/2013           Completed Date:         06/28/2013           Comments:         Plat Study/Treatability Workplan           Officient Plan document st he strategy for performing a Non-Aqueous Phase Liquid (NAPL) Treatment Pilot Study (NTPS) to demonstrate the effectiveness of NAPL remedial technologies consistent with the selected remedy for Parcel E. The NTPS is comprised of a pre-design characterization, pilot study for In Situ Thermal Remediation (ISTR), bench testing and pilot study for In Situ Thermal Remediation (ISTR), bench testing and pilot study for In Situ Solidification           Completed Area Name:         PARCEL-E           Completed Sub Area Name:         PARCEL -E           Completed Date:         Object Plan Situ Thermal Remediation (ISTR)		RD, PARCEL B (Continued) S101272
Completed Sub Area Name:         IR 01/21           Completed Date:         06/28/2013           Comments:         The Work Plan describes the activities that will be implemented in order to conduct [1] asolig as survey in the Panhandle, East Adjacent, and Shoreline Areas of Parcel E-2 (areas adjacent to the Parcel E-2 (andfill) to determine if solig as mitigation will be necessary in conjunction with installation of a liner across the parcel as part of the upcoming remedial action; and [2] a landfill gas (LFG) generation study to estimate the gas generation rates from the Parcel E-2 landfill, determine the content of the landfill gas (LFG) generation study to estimate the gas generation rates from the Parcel E-2 landfill, determine the content of the landfill gas (LFG) generation study to estimate the gas generation rates from the Parcel E-2 landfill, determine the content of the landfill gas (LFG) generation study to estimate the gas generation rates from the Parcel E-2 landfill work plan will be used in development of the Remedial Design for Parcel E-2.           Completed Area Name:         PARCEL-E           Completed Date:         06/28/2013           Comments:         This Work Plan documents the strategy for performing a Non-Aqueous Phase Liquid (NAPL) Treatment Plot Study (NTPS) to demonstrate the effectiveness of NAPL remedial technologies consistent with the selected remedy for Parcel E. The NTPS is comprised of a pre-design characterization, pilot study for in Situ Studification (STR), bench testing and pilot study for in Situ Studification (STR), bench testing and pilot study for in Situ Studification (STR), bench testing and pilot study for in Situ Stidification (STR), bench testing and pilot study for in Situ Stidification (STR), bench testing and pilot study for in Situ Stidification (STR), b	Comments:	the monitoring period were below the corresponding methane and NMOC action levels; therefore, no action or follow-up monitoring was
Completed Sub Area Name:IR-03Completed Document Type:Pilot Study/Treatability WorkplanCompleted Date:06/28/2013Comments:This Work Plan documents the strategy for performing a Non-Aqueous Phase Liquid (NAPL) Treatment Pilot Study (NTPS) to demonstrate the effectiveness of NAPL remedial technologies consistent with the selected remedy for Parcel E. The NTPS is comprised of a pre-design characterization, pilot study for In Situ Solidification Stabilization (ISTR), bench testing and pilot study for In Situ Solidification Stabilization (ISS), treatment performance monitoring, and preparation of a Pilot Study Completion Report. If successful, the results from the NTPS will be used to determine if one or more of the two technologies, ISTR and/or ISS, is feasible for the full-scale Remedy at Installation Restoration (IR) Site 03.Completed Area Name:PARCEL-E Orpleted Document Type: Technical Report 01/22/2014Completed Date:01/22/2014Completed Area Name:Parcel E-2 Instal Report 01/22/2014Completed Area Name:Parcel E-2 Not reported to sub Area Name: IR 01/21Completed Area Name:Parcel E-2 Instal Report 01/22/2014Completed Area Name:Parcel E-2 Not reported to radiological issues, at the former Building 503 Site.Completed Document Type:Monitoring Report 04/29/2013Completed Date:04/29/2013Comments:All methane and non-methane organic compounds (NMOC) detections during the monitoring period were below the corresponding methane and NMOC action levels; therefore, no action or follow-up monitoring was	Completed Sub Area Name: Completed Document Type: Completed Date:	IR 01/21 Technical Workplan 06/28/2013 The Work Plan describes the activities that will be implemented in order to conduct [1] a soil gas survey in the Panhandle, East Adjacent, and Shoreline Areas of Parcel E-2 (areas adjacent to the Parcel E-2 Landfill) to determine if soil gas mitigation will be necessary in conjunction with installation of a liner across the parcel as part of the upcoming remedial action; and [2] a landfill gas (LFG) generation study to estimate the gas generation rates from the Parcel E-2 landfill, determine the content of the landfill gas (to facilitate an evaluation of potential treatment technologies), and estimate the radius of influence of future gas extraction wells. The data from the activities performed in accordance with this Work Plan will be used in development of the Remedial Design for Parcel
Completed Sub Area Name: Completed Document Type: Completed Date:Not reported Technical Report 01/22/2014Comments:DTSC concurs with CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at the former Building 503 Site.Completed Area Name: Completed Sub Area Name:Parcel E-2 IR 01/21Completed Document Type: Completed Date:Monitoring Report 04/29/2013Comments:All methane and non-methane organic compounds (NMOC) detections during the monitoring period were below the corresponding methane and NMOC action levels; therefore, no action or follow-up monitoring was	Completed Sub Area Name: Completed Document Type: Completed Date:	IR-03 Pilot Study/Treatability Workplan 06/28/2013 This Work Plan documents the strategy for performing a Non-Aqueous Phase Liquid (NAPL) Treatment Pilot Study (NTPS) to demonstrate the effectiveness of NAPL remedial technologies consistent with the selected remedy for Parcel E. The NTPS is comprised of a pre-design characterization, pilot study for In Situ Thermal Remediation (ISTR), bench testing and pilot study for In Situ Solidification Stabilization (ISS), treatment performance monitoring, and preparation of a Pilot Study Completion Report. If successful, the results from the NTPS will be used to determine if one or more of the two technologies, ISTR and/or ISS, is feasible for the full-scale
Completed Sub Area Name:IR 01/21Completed Document Type:Monitoring ReportCompleted Date:04/29/2013Comments:All methane and non-methane organic compounds (NMOC) detections during the monitoring period were below the corresponding methane and NMOC action levels; therefore, no action or follow-up monitoring was	Completed Sub Area Name: Completed Document Type: Completed Date:	Not reported Technical Report 01/22/2014 DTSC concurs with CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at the former
necessary due to methane and NMOC concentrations during this period.	Completed Sub Area Name: Completed Document Type: Completed Date:	IR 01/21 Monitoring Report 04/29/2013 All methane and non-methane organic compounds (NMOC) detections during the monitoring period were below the corresponding methane and

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

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#### Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 01/25/2013 Comments: This fact sheet provides a summary of the Proposed Plan for Parcels E and UC-3 on the Hunters Point Naval Shipyard. Completed Area Name: Parcel UC-3 Completed Sub Area Name: Not reported Completed Document Type: **Public Notice** Completed Date: 01/25/2013 Comments: Parcels E and UC-3 Proposed Plan Public Comment Period announced from February 13, 2013, to March 15, 2013. In addition, members of the public are invited to attend a Public Meeting on February 28, 2013, from 6:00 p.m. to 8:00 p.m in the Alex L. Pitchre Jr. Room in the Southeast Community Facility Commission Building. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/29/2011 Comments: Completed under RWQCB oversight and provided here for informational purposes. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/29/2012 Comments: Completed under RWQCB oversight and provided here for informational purposes. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/29/2013 Comments: Completed under RWQCB oversight and provided here for informational purposes. Completed Area Name: PARCEL-E Completed Sub Area Name: IR-03 Design/Implementation Workplan Completed Document Type: Completed Date: 10/30/2013 An In-Situ Thermal Remediation (ISTR) using Thermal Conduction Comments: Heating (TCH) pilot study is planned at Hunters Point Naval Shipyard Installation Restoration (IR) Site 03 (IR- 03) to aggressively remove mobile Non Aqueous Phase Liquid (NAPL) that potentially may threaten San Francisco Bay. ISTR is used to alter subsurface conditions to mobilize and extract NAPL from the subsurface, therefore the technology performance objectives are based on achieving mass removal assessed as reductions in NAPL saturation. The objective of this pilot study is to examine the effectiveness of ISTR using TCH to extract and treat all mobile NAPL within the target treatment zone. This goal will be measured as a reduction in average total NAPL saturation in soil to levels below residual saturation.

Completed Area Name:Parcel E-2Completed Sub Area Name:IR 01/21Completed Document Type:Operations and Maintenance Report

	ARD, PARCEL B (Continued)	S101272
Completed Date: Comments:	08/23/2013 Cap inspections were conducted and documented quarterly (September 17 and December 4, 2012, and March 19 and June 19, 2013. During the inspections there were no signs of damage to security fences, and batteries were replaced in electronic animal repelling devices. The vegetation on the landfill cap and surrounding areas was mowed with a tractor-pulled rotary mower on the weeks of 9/17/2012 and 6/17/2013 to reduce fire hazards on the site and allow the grass to reclaim areas where invasive species had been present. The riprap central drainage swale continues to provide adequate erosion control. All warning signs were observed to be visible and in good condition.	7
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 10/23/2013 All methane and non-methane organic compound (NMOC) detections durin the monitoring period were below the corresponding methane and NMOC action levels; therefore, no action or follow-up monitoring was necessary due to methane or NMOC concentrations during this period.	ng
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Supplemental Site Investigation Tech Memo 03/17/2014 The Technical Memorandum describes soil and sediment sampling and analysis conducted to characterize the lateral and vertical extent of chemicals of concern (COC) identified in soil samples collected from pothole excavations completed during previous investigations in Parcel E. The data from this investigation will be used to support plans for remediation previously described in the 2012 Final Feasibility Study report and 2013 Record of Decision for Parcel E.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Remedial Action Implementation Workplan 04/15/2014 This Remedial Action Work Plan describes field activities necessary to perform a remedial action to address the ohot spotso portion of the selected remedy (Alternative 5) detailed in the final Record of Decision for Parcel E-2 at Hunters Point Naval Shipyard, San Francisco, California. The major field activities associated with this removal action include: site preparation, pre-excavation hot spot delineation, hot spot excavated hot spots using imported fill material, site restoration, and waste characterization and disposal. The stated objectives of this project are to delineate and excavate near shore and inland soil hot spots at Parcel E-2 that pose a risk to humans and wildlife, as detailed in the Remedial Design.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 02/06/2014 All methane and non-methane organic compound (NMOC) detections durin the monitoring period were below the corresponding methane and NMOC action levels; therefore, no action or follow-up monitoring was	ng

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s) EPA ID Number

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# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

necessary due to methane or NMOC concentrations during this period.

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 04/09/2014 All methane and non-methane organic compound (NMOC) detections during the monitoring period were below the corresponding methane and NMOC action levels; therefore, no action or follow-up monitoring was necessary due to methane or NMOC concentrations during this period.
Completed Area Name:	PARCEL-E
Completed Sub Area Name:	B-813
Completed Document Type:	Finding of Suitability to Lease
Completed Date:	10/27/1997
Comments:	Not reported
Completed Area Name:	PARCEL-E
Completed Sub Area Name:	B-915
Completed Document Type:	Finding of Suitability to Lease
Completed Date:	10/27/1997
Comments:	Not reported
Completed Area Name:	PARCEL-E
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Summary Report
Completed Date:	05/13/1996
Comments:	Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Feasibility Study Report 09/14/2012 For Parcel E soil and shoreline sediments, PCBs is the primary Contaminant of Concern (COC) for the evaluation of human health along the Parcel E shoreline. Cadmium, copper, lead, mercury, molybdenum, zinc, DDTs, and PCBs were identified as chemicals of ecological concern (COECs). Parcel E groundwater has VOCs, metals, PCBs, petroleum hydrocarbons, and PAHs identified as COCs for human health. Metals, PCBs, pesticides, and petroleum hydrocarbons were identified as COECs by the aquatic risk evaluation for groundwater. Remediation alternatives were evaluated for soil and shoreline sediment, groundwater, and Non-Aqueous Phase Liquid (NAPL) that is present at Installation Restoration (IR) Site 03. The remedial alternatives evaluated for soil and shoreline Protection; [S-2] Covers, Institutional Controls, and Shoreline Protection; [S-3] Excavation and Off-Site Disposal of Tier 1 Locations, Followed by Covers, Institutional Controls, and Shoreline Protection; and [S-4] Excavation and Off-Site Disposal of Tier 1 and Tier 2 Locations, Followed by Covers, Soil Vapor Extraction, Institutional Controls, and Shoreline Protection. The remedial alternatives evaluated for groundwater were: [GW-1] No Action; [GW-2] Institutional Controls and Long-Term Groundwater Monitoring; [GW-3a] Groundwater Containment, In-Situ Bioremediation, Monitored Natural Attenuation, and Institutional Controls; and [GW-4]

Groundwater Containment, In-Situ Bioremediation, Air Sparging,

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# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Groundwater Containment, In-Situ Bioremediation, Air Spärging, Monitored Natural Attenuation, and Institutional Controls. The remedial alternatives evaluated for NAPL at IR Site 03 were: [N-1] No Action; [N-2] Source Removal or Treatment, Containment, Monitored Natural Attenuation, and Institutional Controls; [N-4a] Source Removal or Treatment, Groundwater Treatment by In-Situ Bioremediation, Containment, Monitored Natural Attenuation, and Institutional Controls; [N-4b] Source Removal or Treatment, Groundwater Treatment by Steaming, Containment, Monitored Natural Attenuation, and Institutional Controls; [N-5] Source Removal by Excavation and NAPL Extraction/Treatment, Groundwater Treatment by In-Situ Bioremediation, Monitored Natural Attenuation, and Institutional Controls; and [N-6] Source Removal by Excavation, Monitored Natural Attenuation, and Institutional Controls. The remedy for Parcel E will be selected in the Record of Decision following comment on this FS Report and the forthcoming Parcel E Proposed Plan. PARCEL-E B-414 Environmental Baseline Survey 11/13/1995 Building 414 and the adjacent lot (lease area) are located in Parcel D and are included in Installation Restoration Site IR-36. Building 414 is a one story, metal warehouse building approximately 35 feet high constructed in 1944, covering 33,468 square feet. On the east end of the building is an approximately 1,200 square foot, raised wooden storage platform. The platform is approximately 12 feet above the floor of the warehouse. Offices and restrooms are located in the southeast comer of the building. The adjacent lot covers approximately the same amount of area. The outside lot is paved and the pavement is in good condition. The building was primarily used for furniture storage until 1974, and subsequently as a collection point for investigative derived waste (IDW) until April of 1995. Based on the review of available information, the IDW was
	containerized and no leaks or spills occurred while the IDW was stored in the building.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E B-258 Environmental Baseline Survey 10/02/1995 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E B-808 Finding of Suitability to Lease 11/14/1995 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E B-414 Finding of Suitability to Lease 11/14/1995 Not reported

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Letter - Notice 08/28/2012 The revised boundary results in the Shipyard South Multi-Use District no longer being located in Parcel E-2, and the planned reuse for Parcel E-2 is now limited entirely to open space.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Site Summary Report 10/17/2003 The following Phase III field activities were conducted at Parcel E: = Installed, developed, and sampled six new monitoring wells. = Measured water levels in 86 A- and B-aquifer and bedrock water-bearing zone wells as part of a basewide effort to assess hydraulic gradients. = Collected groundwater samples from 112 monitoring wells to help characterize the vertical extent, and to confirm the horizontal extent, of contamination in Parcel E. = Collected groundwater samples from 42 monitoring wells at HPS to evaluate the levels of specific radionuclides in site groundwater. = Conducted a tidal influence study at 35 locations to evaluate the tidal effects on groundwater levels in the A- and B-aquifers. = Conducted a tidal mixing study to evaluate tidal effects on salinity levels in selected A-aquifer monitoring wells. = Conducted an aquifer test at the Oil Ponds Area to help refine the hydrogeologic conceptual model.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Par E and Par E2 Not reported Site Summary Report 03/24/2005 The data gaps investigation was planned and implemented in two parts: the standard data gaps investigation (SDGI) and the nonstandard data gaps investigation (NDGI). Under the SDGI, chemical data were collected from the Parcels E and E-2 shoreline and onshore areas, except in the vicinity of the Landfill, to assess potential source areas. Under the NDGI, physical parameters were evaluated to determine the lateral extent of the Landfill and chemical data were collected to evaluate the nature of chemical contamination in soils surrounding the Landfill. This report presents the chemical analytical results for both the SDGI and NDGI sampling events and describes the deviations from the SDGI sampling and analysis plan and the NDGI field sampling plan and quality assurance project plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 11/09/2011 The August 30 monitoring event had a detection of 5.0% exceeding the regulatory project action level of 5.0% for methane and active extraction was initiated directly at GMP24. Response monitoring was performed on August 31 (0.6%) and September 1 (0.0%), and active extraction at GMP24 was terminated on September 1 when observed methane levels were below 1.0% for two consecutive days, as specified in the Final Interim Landfill Gas Monitoring and Control Plan. The Navy sent out notification of the exceedance to the BRAC Closure	

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#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) Team, California Integrated Waste Management Board (now CalRecycle), and UCSF on Tuesday, September 6. All non-methane organic compounds (NMOCs) detected during the third quarter of 2011 were below the corresponding Hunters Point Naval Shipyard NMOC action levels; therefore, no action or follow-up monitoring was necessary due to NMOC concentrations during this period. Completed Area Name: Parcel E-2 Completed Sub Area Name: IR 01/21 Completed Document Type: Monitoring Report Completed Date: 07/31/2008 Comments: Not reported Completed Area Name: PARCEL-E Completed Sub Area Name: B-606 Completed Document Type: Finding of Suitability to Lease Completed Date: 03/05/2008 Comments: Buildings 103, 104, 115, 116, 117, and 125 are currently leased for use as artist studios. Buliding 120 is vacant, and Open Spaces 1 and 2 are currently used for parking. Building 606 is currently occupied by the San Francisco Police Department. Reuse of the Leased Premises will continue unter the current use scenario. The Lessee shall be required to obtain written Government approval prior to any proposed change in use of the Leased Premises as presently authorized. At no time should the leased premises be used for residential or childcare facilities. Completed Area Name: Parcel E-2 Completed Sub Area Name: Not reported Completed Document Type: Supplemental Site Investigation Tech Memo Completed Date: 10/02/2008 Comments: The study was intended to provide supplemental data for the Feasibility Study (FS) for Parcel E-2 by providing data to evaluate [1] if landfill contaminants are present in A-Aquifer groundwater at the shoreline, [2] if landfill contaminants are present in A-Aquifer groundwater at the upper panhandle, [3] the effectiveness of the PCB Hot Spot Area soil removal action by collecting data from the A-Aquifer, and [4] if A-Aquifer groundwater beneath the metal slag excavation area of the Parcel E-2 panhandle has been impacted by dissolved metals. To meet these objectives, the following scope of work was performed: [1] A geophysical survey was conducted to identify potential subsurface obstructions. [2] 61 temporary wells were installed in the A-Aquifer using Direct Push Technology. [3] Grab groundwater samples were collected from the 61 temporary wells and 7 previously installed A-Aquifer piezometers using a peristaltic pump. [4] A location and elevation survey was conducted for the temporary well locations and to update horizontal coordinates and elevations of the seven piezometers. Data collected under this investigation will be incorporated as necessary into the remedial alternative evaluation and selection process for Parcel E-2. Completed Area Name: Parcel E-2

 Completed Area Name:
 Parcel E-2

 Completed Sub Area Name:
 IR 01/21

 Completed Document Type:
 Technical Workplan

 Completed Date:
 05/29/2012

 Comments:
 The SAP presents the procedures and methods for collecting gas samples and provides guidelines for associated sample and data

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HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	<b>S</b> 1
	management currently implemented for the Interim Monitoring and Maintenance Program (IMMP) for the Landfill Gas Control System and Operation and Maintenance Services for the Closed Industrial Landfill Cap in Parcel E-2. The purpose of the SAP is to provide guidance for specific tasks, analysis, and quality assurance for specific sampling activities. This current SAP has been provided to update administrative items (e.g. current contractor, points of contact information, current monitoring points) and to conform to current guidance for SAP format.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 01/20/2012 Landfill gas monitoring and water level measurement activities took place on October 25-27, November 15 and December 13-14, 2011. The October 25 monitoring event had a detection of 4.8% exceeding the HPNS site action level of 2.5% for methane and active extraction was initiated directly at GMP24. Response monitoring was performed on October 26 (0.2%) and October 27 (0.1%), and active extraction at GMP24 was terminated on October 27 when observed methane levels w below 1.0% for two consecutive days, as specified in the Final Interim Landfill Gas Monitoring and Control Plan (MCP). The action levels for non-methane organic compounds (NMOCs) are 500 ppmv in ga monitoring probes (GMPs); 5 ppmv within Building 830; 5 ppmv in on-site utilities; 5 ppmv in ambient air (recorded in the breathing zone); and 100 ppmv for two consecutive days from a control system outlet. All NMOC detections during the fourth quarter of 2011 were below the corresponding NMOC action levels; therefore, no action or follow-up monitoring was necessary due to NMOC concentrations during this period.	as
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 04/17/2012 Final SUPR acceptance will be documented as a part of regulatory acceptance of the forthcoming Parcel E Radiological Removal Action Completion Report, which is a summation of all the SUPRs within Parcel E.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Treatability Study Report 03/25/2013 Trichloroethene (TCE) concentrations above Preliminary Remediation Goals from the Parcel E Feasibility Study were identified in vadose-zone soil at IR Site 04 and IR Site 36. At IR Site 36, the majority of the TCE mass in vadose-zone soil is present in a layer of fill between 1.5 and 5 feet below ground surface. At both IR sites, the TCE identified in vadose-zone soil may be the main source for TCE detected in soil gas.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PARCEL-E Not reported Treatability Study Workplan 07/12/2012	

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Comments:	The purpose of the additional Parcel E Groundwater Treatability Study investigation work described in this Work Plan Addendum is to [1] evaluate chlorinated volatile organic compounds (CVOCs) in vadose-zone soil that may continue to be a source to groundwater and soil gas, [2] evaluate CVOCs in shallow groundwater (i.e., the upper 2 feet of the saturated zone) that may continue to be a source to soil gas, and [3] provide data that will support the Remedial Design for Parcel E. The scope of the fieldwork includes [1] obtaining soil gas samples for laboratory analysis from up to eight existing soil gas monitoring wells, [2] conducting up to 55 membrane interface probe (MIP) borings to obtain semi-quantitative data on the concentrations of CVOCs and other VOCs in soil and shallow groundwater, and on soil texture (i.e., fine-grained versus coarse-grained soil), and [3] drilling up to 16 soil borings to collect soil and shallow groundwater grab samples for laboratory analysis.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Site Characterization Workplan 08/10/2012 The work plan describes the soil sampling and analysis activities for the Parcel E Soil Excavation Characterization project at the Hunters Point Naval Shipyard (HPNS) in San Francisco, California. The objective of this project is to conduct an excavation characterization at HPNS Parcel E to determine the lateral and vertical extent of chemicals of concern (COCs) associated with proposed excavation areas in the Parcel E Feasibility Study. Additionally, soil samples will be collected from step-out locations surrounding the perimeter of the pothole locations within Parcel E identified in the Final Work Plan Addendum Time-Critical Removal Action for the PCB Hot Spot Area at Parcel E-2. Data collected during this project will support the excavation and off-site disposal of the excavation areas presented as part of the forthcoming Parcel E remedial design (RD), and will be used to develop a Technical Memorandum that will describe the lateral and vertical extent of contamination and provide an estimated volume of material to be removed from Parcel E.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Remedial Action Implementation Workplan 07/13/2012 This Work Plan presents specific tasks and procedures that will be implemented during the time-critical removal action (TCRA) of the Experimental Ship Shielding Range located within the Panhandle Area of Parcel E-2 at Hunters Point Naval Shipyard, San Francisco, California. The purpose of this TCRA is to remove the Shielding Range berm and fan-shaped area. The Shielding Range and investigation zone will be radiologically surveyed and radioactive material and soil removed prior to excavation of the Shielding Range. Although Cobalt 60 (60-Co) is the driver for this TCRA, radiological controls will be included for all ROCs as they may be present at the site. The other ROCs and contaminants of concern will be addressed in the final remedial action selected in the Parcel E-2 Record of Decision (ROD). The TCRA includes removal and screening of soil, sediment, and debris, which contain radiological sources and/or

INTERS POINT NAVAL SHIPYA	ARD, PARCEL B (Continued)	6101272855
	contamination, and a final conditions survey of the Shielding Range. Although complete removal of 60-Co at the Shielding Range is anticipated, further investigations for this isotope may still be warranted in other areas of Parcel E-2.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 04/25/2012 Landfill gas monitoring and water level measurement activities took place on January 10-12, February 21 and March 21, 2012. The January 10 monitoring event had a detection of 2.6% exceeding the HPNS site action level of 2.5% for methane and active extraction was initiated directly at GMP24. Response monitoring was performed on January 11 (0.1%) and January 12 (0.0%), and active extraction at GMP24 was terminated on January 12 when observed methane levels were below 1.0% for two consecutive days, as specified in the Final Interim Landfill Gas Monitoring and Control Plan (MCP). The action levels for non-methane organic compounds (NMOCs) are 500 ppmv in gas monitoring probes (GMPs); 5 ppmv within Building 830; 5 ppmv in on-site utilities; 5 ppmv in ambient air (recorded in the breathing zone); and 100 ppmv for two consecutive days from a control system outlet. All NMOC detections during the first quarter of 2012 were below the corresponding NMOC action levels; therefore, no action or follow-up monitoring was necessary due to NMOC concentrations during this period.	I
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/18/2013 All survey and sample results indicate that Building 521 meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of Building 521 for unrestricted radiological free release.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/29/2013 All survey and sample results indicate that Building 500 meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of Building 500 for unrestricted radiological free release.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 10/10/2012 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PARCEL-E Not reported Technical Report 06/07/2013	

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPY	IT NAVAL SHIPYARD, PARCEL B (Continued) S10	
Comments:	All survey and sample results indicate that the Former Building 529 Site meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of the Former Building 529 Site for unrestricted radiological free release.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 10/11/2012 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 06/07/2013 All survey and sample results indicate that the Former Building 509 Site meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of the Former Building 509 Site for unrestricted radiological free release.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Monitoring Report 07/17/2012 All methane detections were below the HPS site action level for methane of 2.5%. All non-methane organic compound detections were well below established action levels for gas monitoring probes. Therefore, no additional response action was necessary.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 Not reported Technical Report 01/11/2013 The stated purpose of this geotechnical investigation was to collect additional soil data needed to refine the engineering design if containment of solid waste at the Parcel E-2 Landfill is selected as a component of the final remedy. Information gathered through this geotechnical investigation provides the data necessary to complete the slope stability evaluation. The stability evaluation and engineering design will be presented in the RD for Parcel E-2.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/12/2013 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Parcel E-2 IR 01/21 Operations and Maintenance Report 08/31/2012 Cap inspections were conducted and documented quarterly. During the inspections there were no signs of damage to security fences, and	

EDR ID Number Database(s) EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	batteries were replaced in electronic animal repelling devices that were functioning properly during this reporting period. The vegetation on the landfill cap and surrounding areas was mowed with a tractor-pulled rotary mower on the weeks of 8/20/2011 and 5/16/2012 to reduce fire hazards on the site and allow the grass to reclaim areas where invasive species had been present. The riprap central drainage swale continues to provide adequate erosion control. All warning signs were observed to be visible and in good condition.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/12/2013 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/15/2013 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-E Not reported Technical Report 03/19/2013 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel E Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Correspondence 06/13/2012 Summary of independent regulatory testing conducted by DTSC/CDPH and USEPA.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Federal Facility Agreement 10/29/1991 Federal Facilities Agreement signed by the United States Navy, DTSC and US EPA.
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name:	Parcel E-2 IR 01/21 Operations and Maintenance Report 2014 Parcel E-2 IR 01/21 Operations and Maintenance Report 2015 PROJECT WIDE Not reported

Map ID Direction Distance Elevation Site

#### MAP FINDINGS

Database(s) EPA ID N

EDR ID Number EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Public Participation Plan / Community Relations Plan 2016 Parcel UC-3 Not reported Design/Implementation Workplan 2015 Parcel UC-3 Not reported Remedial Action Completion Report 2016 Parcel E-2 Not reported Removal Action Completion Report 2015 Parcel E-2 Not reported Certification 2018 PARCEL-E Not reported Certification 2021 Parcel UC-3 Not reported Certification 2015 Parcel E-2 Not reported Land Use Restriction 2017 PARCEL-E Not reported Remedial Action Completion Report 2021 PARCEL-E Not reported Design/Implementation Workplan 2015 Parcel E-2 Not reported Design/Implementation Workplan 2014 Parcel E-2 Not reported Remedial Action Completion Report 2018 PARCEL-E Not reported Removal Action Completion Report 2016 PARCEL-E Not reported Finding of Suitability to Transfer 2021 Parcel E-2 Not reported Finding of Suitability to Transfer

### Map ID Direction Distance Elevation Site

# MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Future Due Date:	2018
Future Area Name:	Parcel E-2
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2018
Future Area Name:	Parcel UC-3
Future Sub Area Name:	Not reported
Future Document Type:	Finding of Suitability to Transfer
Future Due Date:	2015
Future Area Name:	PARCEL-E
Future Sub Area Name:	IR-03
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2014
Future Area Name:	Parcel E-2
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Nam	e: Not reported
Schedule Document Type	e: Public Participation Plan / Community Relations Plan
Schedule Due Date:	05/14/2014
Schedule Revised Date:	Not reported
Facility ID:	38440001
Status:	Certified
Status Date:	06/21/1998
Site Code:	200050
Site Type:	Federal Superfund
Site Type Detailed:	Closed Base
Acres:	88
NPL:	DELISTED
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Tom Lanphar
Supervisor:	Denise Tsuji
Division Branch:	Cleanup Berkeley
Assembly:	17
Senate:	11
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	BRAC 91
Latitude:	37.72611
Longitude:	-122.3663
APN:	NONE SPECIFIED
Past Use:	OFFICE BUILDING, RESIDENTIAL AREA, UNDERGROUND STORAGE TANKS
Potential COC:	* ORGANIC LIQUIDS WITH METALS * Metals - Lead Lead
Confirmed COC:	Lead
Potential Description:	SOIL
Alias Name:	HUNTERS POINT ANNEX
	Alternate Name
Alias Type: Alias Name:	
	HUNTERS POINT NAVAL SHIPYARD, GROUP 1
Alias Type:	
Alias Name:	HUNTERS POINT NAVAL SHIPYARD, PARCEL B
Alias Type:	Alternate Name
Alias Name:	TREASURE ISLAND NAVAL STATION
Alias Type:	Alternate Name

EDR ID Number Database(s) EPA ID Number

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Alias Name: TREASURE ISLAND NAVAL STATION HNTRS PT Alias Type: Alternate Name Alias Name: TRIPLE A MACHINE SHOP Alias Type: Alternate Name Alias Name: CA1170090087 Alias Type: EPA Identification Number Alias Name: 110033615023 Alias Type: EPA (FRS #) Alias Name: T0607502801 Alias Type: GeoTracker Global ID Alias Name: T0607505439 Alias Type: GeoTracker Global ID Alias Name: T0607506557 Alias Type: GeoTracker Global ID Alias Name: T0607506769 Alias Type: GeoTracker Global ID Alias Name: T0607508353 Alias Type: GeoTracker Global ID Alias Name: T0607508881 Alias Type: GeoTracker Global ID Alias Name: T0607509304 Alias Type: GeoTracker Global ID Alias Name: T0607511507 Alias Type: GeoTracker Global ID Alias Name: T0607513526 Alias Type: GeoTracker Global ID T0607516125 Alias Name: Alias Type: GeoTracker Global ID Alias Name: T0607517432 Alias Type: GeoTracker Global ID Alias Name: T0607525844 Alias Type: GeoTracker Global ID Alias Name: T0607526039 Alias Type: GeoTracker Global ID Alias Name: T0607533301 Alias Type: GeoTracker Global ID Alias Name: T0607536036 Alias Type: GeoTracker Global ID Alias Name: T0607536444 Alias Type: GeoTracker Global ID T0607540551 Alias Name: Alias Type: GeoTracker Global ID Alias Name: T0607542350 Alias Type: GeoTracker Global ID Alias Name: T0607549666 Alias Type: GeoTracker Global ID Alias Name: T0607550028 Alias Type: GeoTracker Global ID Alias Name: T0607551487 Alias Type: GeoTracker Global ID Alias Name: T0607551727 Alias Type: GeoTracker Global ID Alias Name: T0607552007 GeoTracker Global ID Alias Type: Alias Name: T0607556477 GeoTracker Global ID Alias Type: Alias Name: T0607556758

Database(s)

EDR ID Number EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Alias Type: GeoTracker Global ID Alias Name: T0607557950 Alias Type: GeoTracker Global ID Alias Name: T0607564936 Alias Type: GeoTracker Global ID Alias Name: T0607565171 Alias Type: GeoTracker Global ID Alias Name: T0607567369 Alias Type: GeoTracker Global ID Alias Name: T0607570886 Alias Type: GeoTracker Global ID Alias Name: T0607572144 Alias Type: GeoTracker Global ID Alias Name: T0607575685 Alias Type: GeoTracker Global ID Alias Name: T0607577558 Alias Type: GeoTracker Global ID Alias Name: T0607579626 Alias Type: GeoTracker Global ID Alias Name: T0607579922 Alias Type: GeoTracker Global ID Alias Name: T0607580147 Alias Type: GeoTracker Global ID Alias Name: T0607584422 Alias Type: GeoTracker Global ID Alias Name: T0607585313 Alias Type: GeoTracker Global ID Alias Name: T0607586516 Alias Type: GeoTracker Global ID Alias Name: T0607590963 Alias Type: GeoTracker Global ID Alias Name: T0607591402 Alias Type: GeoTracker Global ID Alias Name: T0607591567 Alias Type: GeoTracker Global ID Alias Name: T0607591997 GeoTracker Global ID Alias Type: Alias Name: T0607599590 Alias Type: GeoTracker Global ID Alias Name: T0609592166 GeoTracker Global ID Alias Type: Alias Name: P22129 Alias Type: PCode Alias Name: 200050 Alias Type: Project Code (Site Code) Alias Name: 38440001 Alias Type: Envirostor ID Number Completed Info: PAR-A Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Certification Completed Date: 06/30/1998 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Federal Facility Agreement

Database(s)

EDR ID Number EPA ID Number

Completed Date: Comments:	10/15/1991 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PAR-A Not reported Record of Decision 11/29/1995 Parcel A is comprised of about 88 acres of both residential and commercial areas. Early investigation coupled with soil removals lead to two areas that required further work. Discovery of sandblast grit lead to the discovery of soil contaminated with DDT. Both sandblast grit and DDT contaminated soils were removed. Finally, the motor oil found in the groundwater lead the Regional Water Quality Control Board to require a deed notification to alert the future owner(s) of the presence of low levels of motor oil in the groundwater at parcel A. The risk assessment indicated no or minimun risk at Parcel A. The Navy proposed a No Action ROD that was accepted by all the parties. Volume Trenched, Stabilized or disposed: Approximately 600 cubic yards. Approximate Cost and Funding Source: about \$100,000	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PAR-A Not reported Feasibility Study Report 09/30/1995 RIFS completion Size of activity: X-Large Parcel A is comprised of about 88 acres of both residential and commercial areas. Early investigation coupled with soil removals led to two areas that required further work. Discovery of sandblast grit led to soil contaminated with DDT. Both sandblast grit and DDT contaminated soils were removed. Finally, the motor oil found in the groundwater led the RWQCB to ask for deed notification to alert future land owner(s) of the presence of low levels of motor oil in the groundwater at Parcel A. The risk assessment indicated no or diminimus risk at Parcel A. The Navy proposed no action in the feasibility study. Volume trenched, stabilized or disposed: Approximately 600 cubic yards Approximate cost: \$700,000	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PAR-A Not reported Site Characterization Report 10/15/1993 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PAR-A UGTS Removal Action Completion Report 12/17/1992 Removal of 23 underground storage tanks ranging in size from 500 - 210,000 gallons. Tanks contained either gasoline, diesel, solvents, waste oils, water or a mixture of solvent and water. 1,378 cubic yards of solvent-contaminated soil was excavated and disposed offsite. Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type:	PROJECT WIDE Not reported Site Screening	
Database(s)

Completed Date:	04/24/1987
Comments:	Site Screening Done: Mitre Model required.
Completed Area Name	PAR-A
Completed Sub Area N	
Completed Document	•
Completed Date:	10/06/2004
Comments:	The Department of Toxic Substances Control (DTSC) concurs that Parcel
	A is suitable for transfer to the San Francisco Redevelopment Agency
	and can we accept that sufficient remedial actions have been taken to
	protect public health and the environment Even though DTSC's draft
	Finding of Suitability to Transfer (FOST) comments relating to
	lead-based paint remains unresolved, DTSC is able to support the transfer of Parcel A due to the assurances made by the City and
	County of San Francisco that lead-based paint from structures will be
	managed in a way that is protective of public health. These
	assurances were made in a letter to DTSC dated September 30, 2004,
	from Dr. Rajiv Bhatia, Department of Public Health, Medical Director,
	Occupational and Environmental Health, City and County of San
	Francisco.
Future Area Name:	Not reported
Future Sub Area Name	Not reported
Future Document Type	Not reported
Future Due Date:	Not reported
Schedule Area Name: Schedule Sub Area Na	Not reported ne: Not reported
Schedule Document Ty	•
Schedule Due Date:	Not reported
Schedule Revised Date	•
Facility ID:	38440002
Status:	Active
Status Date:	05/01/1986
Site Code:	200050
Site Type:	Federal Superfund
Site Type Detailed: Acres:	Closed Base 54
NPI ·	YES
Regulatory Agencies:	SMBRP, RWQCB 2 - San Francisco Bay, US EPA
Lead Agency:	SMBRP, US EPA
Program Manager:	Ryan Miya
Supervisor:	Denise Tsuji
Division Branch:	Cleanup Berkeley
Assembly:	17
Senate:	11
Special Program:	Navy
Restricted Use: Site Mgmt Req:	NO NONE SPECIFIED
Funding:	BRAC 91
Latitude:	37.72972
Longitude:	-122.3638
APN:	NONE SPECIFIED
Past Use:	DEGREASING FACILITY, DRY DOCKS, FUEL TERMINALS, LABORATORIES-
	RADIOACTIVE, LANDFILL - CONSTRUCTION, MACHINE SHOP, METAL FINISHING, METAL PLATING - OTHER, OIL/WATER SEPARATORS, PAINT/DEPAINT FACILITY,

Database(s) EDR ID Number EPA ID Number S101272855

HUNTERS POINT NAVAL SH	IPYARD, PARCEL B (Continued)
	- WAREHOUSING
Potential COC:	Arsenic * Asbestos and Naturally Occurring Asbestos (NOA Total
	Chromium (1:6 ratio Cr VI:Cr III Lead Mercury (elemental Methane
	Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons
	(PAHs Radioactive Isotopes TPH-diesel TPH-gas TPH-MOTOR OIL
	· · · ·
Confirmed COC:	Trichloroethylene (TCE Vinyl chloride
Confirmed COC:	Arsenic * Asbestos and Naturally Occurring Asbestos (NOA Total
	Chromium (1:6 ratio Cr VI:Cr III Lead Mercury (elemental Methane
	Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons
	(PAHs Radioactive Isotopes TPH-diesel TPH-gas Trichloroethylene (TCE
	Vinyl chloride TPH-MOTOR OIL
Potential Description:	OTH, SOIL
Alias Name:	38440003
Alias Type:	Envirostor ID Number
Alias Name:	38440004
Alias Type:	Envirostor ID Number
Alias Name:	38440005
Alias Type:	Envirostor ID Number
Alias Name:	38440007
Alias Type:	Envirostor ID Number
Alias Name:	HUNTERS POINT NAVAL SHIPYARD, GROUP 2
Alias Type:	Alternate Name
Alias Name:	HUNTERS POINT NAVAL SHIPYARD, PARCEL B
Alias Type:	Alternate Name
Alias Name:	HUNTERS PT NAVAL SHIPYD- TREASURE ISLAND
Alias Type:	Alternate Name
Alias Name:	TRIPLE A MACHINE SHOP
Alias Type:	Alternate Name
Alias Name:	110033615023
Alias Type:	EPA (FRS #)
Alias Name:	T10000001251
Alias Type:	GeoTracker Global ID
Alias Name:	T10000001252
Alias Type:	GeoTracker Global ID
Alias Name:	T1000001254
Alias Type:	GeoTracker Global ID
	T1000001256
Alias Name:	GeoTracker Global ID
Alias Type:	
Alias Name:	P23055
Alias Type:	PCode
Alias Name:	200050 Designt Code (Site Code)
Alias Type:	Project Code (Site Code)
Alias Name:	38440002
Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	PARCEL-B
Completed Sub Area Na	me: IR 07/18
Completed Document Ty	
Completed Date:	05/29/2013
Comments:	The remedial actions implemented for IR Site 07 and Site 18 soils and
	sediments consist of a combination of soil excavation (including
	methane source removal), offsite disposal, durable cover
	installation, shoreline revetment, and institutional controls. The
	implemented remedial action for groundwater consists of groundwater
	monitoring and institutional controls.
Completed Area Name:	PROJECT WIDE

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S		
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Correspondence 06/13/2012 Summary of independent regulatory testing conducted by DTSC/CDPH a USEPA.	nd
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Federal Facility Agreement 10/29/1991 Federal Facilities Agreement signed by the United States Navy, DTSC and US EPA.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Remedial Design - Preliminary/Intermediate 09/07/1999 DES - PAR-B Review, comment, and approval of engineering design and construction specifications for soil remediation and groundwater monitoring wells.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Record of Decision 10/09/1997 The Navy has selected excavation and off-site disposal as the final remedy for Parcel B soil. The major components of the selected remedy for soil are as follows: (a) Excavation of contaminated soil to the groundwater table or 1x10-6 cancer risk (residential), (b) Off-site disposal of contaminated soil, (c) Placement of clean backfill in the excavated areas, and (d) Deed notification indicating that soil below the groundwater table in remediated areas, as specified in the remedial action close-out report, may be contaminated. The major components of the selected remedy for groundwater are as follows: (a) Lining of the storm drains and pressure grouting of the storm drain bedding material at sites IR-07 and IR-10, (b) Removal of steam and fuel lines, (c) Deed restrictions on Parcel B such as prohibiting all uses of groundwater within the shallow water-bearing zone, (d) Deed notification indicating that contamination may be present in the groundwater in the remediated areas as specified in the remedial action close-out report, and (e) Groundwater monitoring for up to 30 years to evaluate the effectiveness of the soil source removal actions and to monitor concentrations of hazardous substances that may migrate toward San Francisco Bay.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Feasibility Study Report 11/26/1996 RIFS - PARCEL B Investigated 66 acres. Identified areas of concern and provided several alternatives in mitigating the risk areas. soil alternatives range from no action to off- site disposal and on-site treatment. The concern from the groundwater contamination is the possible threat to the Bay. Since groundwater contamination is far from the Bay, ground- water monitoring seems to be sufficient. And in case of exceedences, there will be a contingency plan to mitigate the	

EDR ID Number Database(s)

EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
	threat. Due to high salinity and low yield, the ground- water is not suited for drinking. In addition, access to the groundwater will be controlled by placing restrictions in the deed. The Navy has decided to cleanup the parcel to residentical scenario. The Reuse Plan calls for mixed use at Parcel B.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Removal Action Completion Report 12/22/1994 RA - IR-06 A Removal Action was completed at Parcel B. Two underground storage tanks and associated pipes were removed. In addition, 20 tons of contaminated soils were excavated. Both the soils and pipes were transported and disposed offsite. Approximate cost = \$50,000; funding = BRAC.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Removal Action Completion Report 12/15/1993 Removal of Asbestos-containing material, tanks, tank piping, petroleum fuel and solvents, foundations for the 17 tanks, demolition of the two pump houses and buildings 111 and 112, and removal of contaminated soil.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 10 Treatability Study Report 01/12/2007 No further comments.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Record of Decision - Amendment 02/15/2008 DTSC's final letter on the TMSRA states that DTSC generally support the conclusions and recommendations in the final TMSRA. The letter from DTSC includes comments and identifies DTSC's preference for remedial activities and identifies issues still needing clarification or agreement. These issues will be addressed and resolved in proposed plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Proposed Plan 07/25/2008 The Navy proposes the following actions to address contamination in soil, groundwater, and structures at Parcel B: (a) Removing soil in areas where concentrations of organic chemicals and metals are higher than the levels considered safe for human health and ecological receptors; (b) Installing covers over the entire parcel to prevent contact with any metals or radiological contaminants that are not excavated; (c) Surveying and decontaminating buildings, former building sites, sewer lines, and other areas affected by radiological sources; (d) Screening, separating, and disposing of radiological sources and radiologically-contaminated materials and soil; (e) Transporting excavated contaminated soil and materials off site to an	

EDR ID Number Database(s) EPA ID Number

appropriate landfill; (f) Operating a soil vapor extraction (SVE) system to remove and treat volatile organic compounds (VOCs) in soil at Installation Restoration (IR) Site 10; (f) Building a shoreline revetment in required areas to protect ecological receptors from chemicals in shoreline sediments; (g) Treating groundwater at IR Site 10 by injecting chemicals to break down the contaminants; (h) Implementing a groundwater monitoring program to verify that remediation efforts meet the remediation goals defined in the amended ROD; (i) Using engineering controls (ECs) and institutional controls (ICs) to limit exposure to contaminated soil and groundwater by restricting specified land uses and activities on the parcel.
Completed Area Name: PARCEL-B
Completed Sub Area Name: Not reported Completed Document Type: Record of Decision - Amendment
Completed Date: 01/30/2009 Comments: The remedy selected in the 1997 ROD needed to be amended to be protective of human health and the environment in the long term and that the proposed amendments to the remedy will fundamentally alter its basic features. The original remedy for soil involved excavation and off-site disposal; however, this strategy was unable to achieve cleanup goals across Parcel B. The widespread distribution of metals, especially arsenic and manganese, in soil was the primary obstacle to this strategy. The amended remedy incorporates covers for the remaining soil containing hazardous substances to prevent exposure. Likewise, groundwater contamination has been found to be more widespread and at higher concentrations than was known when the original remedy for groundwater was selected. The original remedy relied on monitoring; the amended remedy includes active treatment for groundwater. Finally, the original remedy did not address radiological contaminants, and the amended remedy incorporates actions to address radioactive chemicals found in soil and structures at Parcel B.
Completed Area Name: PARCEL-B   Completed Sub Area Name: IR 07/18   Completed Document Type: Site Summary Report   Completed Data: 10/02/0005
Completed Date:10/03/2005Comments:The tech memo summarizes a two-phase soil gas survey at IR Sites 07 and 18. The initial investigation (Phase I) consisted of soil gas measurements for methane and for total VOCs on a grid at locations across the site. If methane was detected at any location greater than or equal to 1.25% or if total VOCs were determined at concentrations greater than or equal to 1,000 parts per million, then additional measurements (Phase II) for methane and total VOCs were implemented to refine the distribution, extent, and concentrations. Methane concentrations in soil gas above 1.25% were limited to a small geographic area in the eastern portion of IR07, limited to an area of about 8,850 square feet.
Completed Area Name:PROJECT WIDECompleted Sub Area Name:Not reportedCompleted Document Type:Monitoring ReportCompleted Date:10/05/2005Comments:continued concerns with monitoring program will be discussed at meeting on October 13, 2005

EDR ID Number Database(s) EPA ID Number

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/05/2005
Comments:	continued issues with groundwater monitoring program will be discussed at October 13, 2005 meeting.
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type: Completed Date:	Monitoring Report 09/20/2006
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type: Completed Date:	Monitoring Report 01/12/2007
Comments:	No further action. Much improvement, but more work needed, included new Sampling and Analysis Plan.
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date: Comments:	01/12/2007 No futher comments, much improvement, but more work needed including
commenta.	revised Sampling and Analysis Plan.
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported Monitoring Report
Completed Document Type: Completed Date:	01/12/2007
Comments:	No further comments. Much improvement but more work needed including revised Sampling and Analysis Plan
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type: Completed Date:	Removal Action Completion Report 04/24/2012
Comments:	The Removal Action Completion Report (RACR) summarizes the building and former building site Final Status Survey activities as well as
	the storm drain and sanitary sewer time-critical removal action on
	Parcel B. The RACR does not address chemical contamination except in
	relation to disposal of excavated soil. During the Parcel B removal
	action, 24,826 linear feet of storm drain and sanitary sewer lines
	were excavated resulting in approximately 65,184 cubic yards of soil removed from 70 trench survey units. Based on surface scans and soil
	sample analytical results, approximately 692 cubic yards of
	peripheral material and 2,218 cubic yards of excavated soil were
	remediated from excavated soil sampled and scanned in radiological
	screening yards. In addition, approximately 3,731 cubic yards of
	contaminated soil was further remediated from the excavated Parcel B storm drain and sanitary sewer trench survey units. Six buildings
	(Buildings 103, 113, 113A, 130, 140, and 146), three former building
	sites (114, 142, and 157), and the Building 140 discharge channel
	were also identified as radiologically-impacted and have been cleared
	for unrestricted radiological free release by the California

EDR ID Number Database(s) EPA ID Number

Ur	JNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855			
		(CDPH-EMB). Removal actions were initiated on May 23, 2006 and completed on September 23, 2010.		
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Remedial Action Completion Report 10/01/2008 Reports on excavations were specified in the original Parcel B ROD (1997) and two Findings of Significant Difference (1998, 2000). The Parcel B ROD is currently being amended. No comments on final report. Not reported		
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Workplan 10/01/2008 San Francisco Regional Water Quality Control Board is lead agency on the petroleum program at Hunters Point. Concurrence letter from RWQCB is uploaded on this site.		
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Monitoring Report 01/12/2007 No further comments, DTSC, EPA, RWQCB and Navy continue to work to improve groundwater monitoring program.		
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Monitoring Report 07/18/2007 Revision 1 of document. This is a quarterly groundwater monitoring report. DTSC, RWQCB, EPA and the Navy continue to discuss improvements to program and reports.		
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Monitoring Report 07/18/2007 Revision 1 of document. DTSC, RWQCB, EPA and Navy continue to discuss improvements to monitoring program and reports.		
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Monitoring Report 07/18/2007 Revision 1 of document. DTSC, RWQCB, EPA and Navy continue to discuss improvements to groundwater monitoring program and reports.		
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Monitoring Report 06/23/2008 DTSC has no comments on the final (Revision 1) of the Groundwater Monitoring Report. The Navy is in the process of revising the Groundwater Sampling and Analysis Plan. DTSC and Navy will resolve any issues with monitoring program through the Sampling and Analysis		

Database(s)

HUNTI	HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S		
		Plan revision.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Design/Implementation Workplan 03/29/2010 Not reported	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Record of Decision - Amendment 04/21/2008 The document was prepared to address potential radioactive contamination in buildings, fill areas, former building sites, storm drains, and sanitary sewers in Parcel B at Hunters Point Shipyard. The overall purpose of this addendum is to provide information to support the future Proposed Plan to modify the final remedy selected for Parcel B in 1997. The modified plan will reflect new information concerning the nature and extent of contamination, including heavy metals, radionuclides, and methane.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Time Critical Removal Action Workplan 06/13/2008 The proposed time-critical removal action (TCRA) involves delineation and removal of methane in soil gas and the associated methane-generating material in order to eliminate the threat to human health in the event of fire or explosion. The TCRA consists of sampling to identify and delineate the methane and methane-generating material, removal of the methane-generating material by excavation, post-excavation confirmatory and characterization sampling, and site restoration. DTSC has no further comments on Action Memorandum.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR-26 Time Critical Removal Action Workplan 05/27/2008 The work will be conducted as a Time Critical Removal Action (TCRA). Mercury has been identified in the groundwater at concentrations that a Screening-Level Ecological Risk Assessment identified as posing an unacceptable risk to aquatic receptors in the San Francisco Bay, where the groundwater ultimately discharges. The purpose of this TCRA is to reduce or eliminate the risks to aquatic receptors from mercury in groundwater by identifying, delineating, and removing the mercury source. DTSC has no further comments on Final Action Memorandum.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Building 114 Technical Report 11/04/2010 Based on the documentation provided in the FSS Report as well as the results of CDPH?s confirmatory soil sampling, the DTSC and CDPH support release for unrestricted use, with respect to radiological issues, at the Building 114 Site.	
C	Completed Area Name:	PARCEL-B	

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Building 142 Site Technical Report 11/04/2010 Based on the documentation provided in the FSS Report as well as the results of CDPH?s confirmatory soil sampling, the DTSC and CDPH support release for unrestricted use, with respect to radiological issues, at the Building 142 Site.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported 5 Year Review Reports 12/19/2008 DTSC concurs with the final Five Year Review	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR-26 Removal Action Workplan 10/28/2008 DTSC has no comments on final work plan for mercury source removal at IR-26. DTSC will review the Removal Action Completion Report and evaluate groundwater monitoring data to determine if action was successful in removing mercury source for contaminated groundwater. Groundwater data must be consistent with remedial action goals specified in Parcel B ROD Addendum. Additional action may be necessary if groundwater remains contaminated with mercury.	:
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Removal Action Workplan 09/19/2008 Work plan for Time Critical Removal Action to remove the source of methane gas in soil at Installation Restoration (IR) sites 7 and 18. A small area, less than 1 acre, will be excavated to remove source material. Confirmation gas sampling will determine the effectiveness of removal action.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Removal Action Completion Report 05/22/2009 The Removal Action Completion Report has been prepared to document the results and conclusions of a time-critical removal action (TCRA) of methane in soil gas and its source material at Installation Restoration (IR) Site 07 (IR-07) in Parcel B at Hunters Point Shipyard (HPS), San Francisco, California. The primary objective of the TCRA was to remove methane in soil gas and its source material from IR-07 to eliminate possible threats to public welfare. To achieve this objective, the TCRA was performed utilizing a combination of historic data review, preliminary sampling, excavation and backfill, and post-restoration soil gas sampling. These separate lines of evidence were reviewed as part of a phased approach to the investigation to assure that the methanogenic material was identified and removed. The TCRA activities included confirming the presence of methane in soil gas, identification of possible source material, excavation of all potential source material, and backfilling the excavation to match pre-existing grade. Visually contaminated soil and soil or debris identified as potential methane-producing material	

EDR ID Number Database(s) EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855 was segregated for off-site disposal. The activities performed provide reasonable assurance that previous threats of explosion due to methane gas in the subsurface have been eliminated. Completed Area Name: PARCEL-B Completed Sub Area Name: IR-26 Completed Document Type: **Removal Action Completion Report** 02/27/2009 Completed Date: Comments: Removal action appears successful in identifying and removing high levels of mercury in soil (up to 300 mg/kg). Of the approximately 6,100 cubic yards of soil was excavated from this site, 4,500 cubic yards of soil contained mercury exceeding the removal action goal of 2.3 mg/kg. Ongoing groundwater monitoring will still be required. Completed Area Name: PARCEL-B Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 08/24/2010 Comments: Based on the review of all relevant submitted documents and confirmatory radiological survey, CDPH-EMB recommends unrestricted release, with respect to radiological issues for Building 103. Completed Area Name: PARCEL-B Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 04/06/2010 Comments: Based on the review of all relevant submitted documents and confirmatory radiological surveys, Building 113A is suitable for unrestricted radiological release. PARCEL-B Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 08/02/2010 Comments: DTSC/CDPH support release for unrestricted use, with respect to radiological issues, at Building 130. Completed Area Name: PARCEL-B Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 01/20/2012 Comments: Based on the review of all relevant submitted documents and confirmatory analysis of completed surveys, DTSC and CDPH-EMB concur with radiological unrestricted release for the discharge channel of Building 140. Completed Area Name: PARCEL-B Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 03/16/2010 Comments: Based on the review of all relevant submitted documents and confirmatory radiological survey CDPH0-EMB recommends unrestricted radiological release for Building 146. Completed Area Name: PARCEL-B Completed Sub Area Name: Not reported Completed Document Type: Technical Report

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)			
Completed Date: Comments:	03/08/2011 Based on the review of all relevant submitted documents and confirmatory analysis completed by Drinking Water & Radiation Laboratory Branch, CDPPH-EMB recommends radiological unrestricted release for Building Site 157.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/07/2011 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel B Radiological Removal Action Completion Report.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Remedial Action Implementation Workplan 07/10/2009 The intent of the survey is to identify and remove radiological anomalies in the top 12 inches of soil at IR-18 within Parcel B.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported 5 Year Review Reports 12/10/2003 The soil remedy at Parcel B is currently protective of human health and the environment because exposure pathways that could result in unacceptable risks are being controlled through extensive soil excavation and the use of fencing, locked gates, warning signs, and secured buildings that limit access to remaining contaminated areas. The groundwater remedy at Parcel B is currently protective of human health and the environment because the ongoing monitoring plan safeguards aquatic life in the Bay and addresses potential risk to future occupants of Parcel B buildings.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 05/26/2009 Letter serves as the Navy's notice of intent to dissolve the Hunters Point Naval Shipyard Restoration Advisory Board.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 08/02/2010 The DTSC/CDPH support release for unrestricted use, with respect to radiological issues, at Building 113.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 09/02/2009 RAB Dissolution Public Notice and Comment Period Announcement sent via e-mail.		
Completed Area Name:	PARCEL-B		

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		s
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Design/Implementation Workplan 07/05/2011 Revised Final LUCRD report has been provided with revisios that make the updated document consistent with the Final Amended ROD for Parcel B. Responses to DTSC comments have been provided and adequately addressed.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/11/2011 Approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/21/2011 Formal approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/25/2011 Formal approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 05/05/2010 Memo describes the proposed approach for establishing soil gas action levels at Hunters Point Shipyard (HPS) since more recent guidance documents for assessment of health risks from vapor intrusion have become available since Human Health Risk Assessments have been completed historically. All comments have been adequately addressed.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 01/27/2010 This survey Unit Project Reports Abstract, was prepared to document work conducted under the Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan (2006) and Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan u Revision 3 (2008) (Work Plan) at Hunters Point Shipyard (HPS), which summarizes the scope, approach and radiological surveys used during removal of the sanitary sewer and storm drains located within HPS. This Abstract will be applicable to all Survey Unit Project Reports (SUPR) and data sets prepared for regulatory review.	
Completed Area Name:	PARCEL-B	

EDR ID Number Database(s) EPA ID Number

Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Technical Report 01/25/2011 Formal approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel B Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/11/2011 Formal approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel B Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 01/13/2011 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel B Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 03/23/2010 Received via e-mail on 3/24/2010 from CDPH.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 04/20/2010 Received hard copy in mail on 4/23/2010.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Remedial Action Implementation Workplan 07/09/2010 This Remedial Action Work Plan (RAWP) describes how three separate remedial actions (RAs) will be performed at Parcels B, D-1, and G of Hunters Point Shipyard (HPS), in San Francisco, California. The first RA, to be performed at Installation Restoration (IR) Sites 07 and 18 in Parcel B, will address chemicals of concern (COCs) in soil and sediment and includes a soil cover and shoreline revetment to provide a physical barrier to prevent exposure of humans and wildlife with COCs in soil. This RA is described in detail in the oFinal Design Basis Report, Installation Restoration Sites 7 and 18, Parcel B, Hunters Point Shipyard, San Francisco, Californiao. The second RA will include excavation and off-site disposal of soil hot spots contaminated with lead or polycyclic aromatic hydrocarbons (PAHs) at 11 locations in Parcels B, D-1, and G. The third RA will include characterization, removal, and off-site disposal of soil stockpiles at Parcels D-1 and G.
Completed Area Name:	PARCEL-B Not reported

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
Completed Document Type: Completed Date: Comments:	Technical Report 01/13/2011 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Site Characterization Workplan 06/10/2011 This Sampling and Analysis Plan (Appendix A of the Work Plan) describes the air and soil gas sampling and analysis activities to be performed for a base-wide soil gas investigation for Parcels B, D-1, G, and UC-2 at the Hunters Point Shipyard (HPS). The primary objective of the soil gas investigation is to refine areas requiring institutional controls (ARICs) and determine which ARICs should be reduced, expanded, or eliminated. Future land use and development hinges upon whether redevelopment blocks or grids will require institutional controls to reduce risk (i.e. soil vapor inhalation risk above action levels result in the requirement for institutional controls).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/26/2011 Approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported *Correspondence - Received 08/12/2010 CDPH's sample results confirm that the Navy's remediation process is achieving the action level established for Ra-226 and Cs-137 at Hunters Point Shipyard.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 07/31/2009 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 02/01/2010 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/01/2010 Not reported	
Completed Area Name:	PROJECT WIDE	

Database(s)

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SHIPYA	RD, PARCEL B (Continued)
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/01/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/01/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	03/01/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	10/09/2009
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/22/2000
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/31/2000
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/02/2001
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	01/22/2002
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/28/2002
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/13/2002

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	11/26/2002
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	05/01/2003
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	11/01/2003
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/15/2004
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/19/2005
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/28/2003
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/01/2006
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/01/2006
Comments:	Not reported
Completed Area Name:	PARCEL-B
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/01/2007
Comments:	Not reported
Completed Area Name:	PARCEL-B

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYA Completed Sub Area Name:	IR 07/18	S10
Completed Sub Area Name. Completed Document Type: Completed Date: Comments:	Finding of Suitability to Transfer 02/26/2013 Based on the information contained in this FOST and the notices, restrictions, and covenants that will be contained in the deed, DTSC	
	concurs that Parcel B Installation Restoration Sites 7 and 18 are suitable for transfer. Consistent with the 2009 Amended Parcel B Record of Decision, it is DTSC's expectation that land use control documentation, in the form of a Covenant to Restrict the Use of the Property, will be recorded at the time of property transfer. Also, an enforceable agreement (through an Operation and Maintenance Agreement) will be negotiated with DTSC and any future property transferee.	
Completed Area Name: Completed Sub Area Name:	PARCEL-B IR 07/18	
Completed Document Type: Completed Date:	Long Term Monitoring Report 10/08/2010	
Comments:	Methane was not detected by either field instrumentation or laboratory analysis at any of the locations monitored during the August 2009, October 2009, or February 2010 sampling events.	
Completed Area Name: Completed Sub Area Name:	PARCEL-B Not reported	
Completed Document Type: Completed Date:	Remedial Investigation Workplan 12/17/1993	
Comments:	Not reported	
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported	
Completed Document Type: Completed Date:	Other Report 11/19/2010	
Comments:	DTSC did not review / approve this document and it is being provided for informational purposes only.	
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported	
Completed Document Type: Completed Date:	Technical Workplan 11/29/2010	
Comments:	This plan was developed to ensure that the Navy maintains a coordinated approach for dust control and air monitoring activities across multiple contracts. At a minimum, all contractors will be required to adhere to the requirements set forth in the document. DTSC did not review / approve the document as dust control practices	
	are evaluated on a project-specific basis and it has been provided for informational purposes as part of the administrative record.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 06/03/1996 The basewide environmental baseline survey (EBS) report prepared for	
	Hunters Point Annex (HPA), San Francisco, California, summarizes environmental information gathered by PRC Environmental Management Inc. (PRC), for the Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Engineering Field Activity West (EFA WEST). This document is based on existing environmental information	

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855		S101272855
	gathered during the period of May to December 1995 related to the storage, release, treatment, or disposal of hazardous substances or petroleum products at HPA.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Plan 05/16/2011 The 2009 SAP was amended to incorporate the requirements of recent HPS Comprehensive Environmental Response, Compensation, and Liab Act (CERCLA) documents, such as Remedial Action Monitoring Plans (RAMPs), Records of Decision (RODs), and Feasibility Studies (FSs), and to update the SAP based on the recent work conducted (eg groundwater treatability studies and corrective actions).	ility
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Action Implementation Workplan 07/30/2010 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR-26 Technical Workplan 07/18/2011 This Work Plan details the procedures that will be followed to execute geotechnical investigations at Parcel E-2 (Installation Restoration [IR] Site 01/21) and Parcel B (IR Site 26) at Hunters Point Shipyard (HPS) in San Francisco, California. Geotechnical investigations at both sites are being performed for the Department of the Navy (Navy), in support of the Remedial Designs (RDs) for Parcels E-2 and B. The primary tasks include (1) subsurface exploration via geotechnical drilled borings and cone penetrometer test (CPT) borings, (2) geotechnical laboratory testing, and (3) data compilation.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/19/2011 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/19/2011 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/21/2011 Formal approval of the Final SUPRs will occur as a part of DTSC	

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYA	ARD, PARCEL B (Continued)	S10 <sup>4</sup>
	review and concurrence with the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 01/31/2011 Formal approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel B Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Workplan 02/08/2011 Previously unknown underground storage tank (UST) adjacent to the southeast side of Building 113A (UST 113A) in Parcel B will be removed under CERCLA guidelines due to the presence of total chromium in the tank liquid.	n
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 06/03/2011 The Community Involvement Plan presents the Navy's plans to inform and involve the community in the environmental cleanup program moving forward based on feedback obtained from the Hunters Point Shipyard community about past communication and community involvement progra activities.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 03/23/2011 Documents groundwater data collected basewide from April 2010 through September 2010 during the second and third quarter 2010 monitoring events.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Workplan 04/21/2006 Documents the Navy's decision to undertake time-critical removal actions at areas throughout Hunters Point Shipyard that may contain localized radioactive contamination as identified in the Historical Radiological Assessment.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Remedial Investigation Report 07/03/1996 Despite data gaps and inadequate explanations presented in the document, DTSC determined that it is possible to proceed with developing a feasibility study. The Department accepted the Draft Final RI report with the stipulation that the outstanding issues will be addressed in the upcoming CERCLA documentation.	

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Database(s)

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S10127
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 03/12/2012 CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at the Building 140 suction channel and discharge piping is provided. This radiological free release for unrestricted use encompasses Building 140 and its associated Suction Channel, Pump Pit, and Discharge Piping structures located within Parcel B. CDPH-EMB?s memorandum supporting radiological free release of the Building 140 Discharge Channel was provided previously on January 20, 2012.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/31/2004 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I was published in August 2000 and addressed radioactivity associated with the Naval Nuclear Propulsion Program (NNPP). Volume I concluded that berthing of and work on nuclear-powered ships at HPS resulted in no adverse effect on the human population or the environment. Volume II of the HRA has been prepared pursuant to the Navy?s Installation Restoration (IR) Program, which encompasses the Navy?s Base Realignment and Closure (BRAC) Program, and in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 15 (SARA). Volume II describes the history of operations involving general radioactive material (G-RAM) that, for the purposes of this document, is defined as any radioactive material used by the Navy or Navy contractors not associated with the NNPP.	986
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/23/2000 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I (the current document) addresses radioactivity associated with the Naval Nuclear Propulsion Program (NNPP).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/21/2011 This monitoring report incorporates revisions made from comments received on the previous semiannual groundwater report (February 2011).	
Completed Area Name:	PARCEL-B	

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Remedial Action Completion Report 10/17/2011 The Remedial Design documents (RDs) specifically identified 11 hotspot locations (3 at Parcel B, 6 at Parcel D-1, and 2 at Parcel G) requiring remediation. The hotspot locations were delineated based on lead or polycyclic aromatic hydrocarbons (PAHs) concentrations that exceeded the remediation goals identified in the RODs. Soil hotspot activities conducted during this remedial action (RA) included (1) collection and analysis of pre-excavation characterization samples to delineate the extent of the soil hot spots; (2) excavation of the delineated hotspot soil location; (3) collection of confirmation samples to verify that the hot spots were removed; (4) additional excavation and confirmation sampling, as required, to complete the removal of soil hot spots; (5) characterization and off-site disposal of the excavated hotspot soil; and (6) backfilling of the hotspot excavations with clean backfill meeting Hunters Point Naval Shipyard (HPNS) criteria for import fill. In total, 9 of the 11 hotspot locations were successfully remediated, as demonstrated by the information presented in the Remedial Action Completion Report (RACR). At total of 569 cubic yards of soil was removed from the nine hot spots and disposed of off -site. The remaining two hotspot locations could not be removed as part of this RA because they are located in an area at HPNS that is currently being used to support other remedial activities. The Navy plans to remediate these hotspot locations at a later date, at which point this RACR will be amended to include the associated completion documentation. The RDs identified 16 soil stockpiles (5 in Parcel D-1 and 11 in Parcel G) to be removed, characterized, and disposed of off -site. In total, 13 of the 16 soil stockpiles were removed as part of previous removal actions implemented at HPNS. The three remaining soil stockpiles; (2) collection of confirmation samples beneath the stockpile in Parcel D-1 and two in Parcel G) were removed during this
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Supplemental Site Investigation Tech Memo 03/29/2013 The primary objectives of the Soil Vapor Investigation were to (1) refine areas requiring institutional controls (ARIC) based on the potential for soil gas exposure through the vapor intrusion pathway as determined in the Records of Decision (ROD) and (2) determine which parcel areas should be reduced, expanded, or eliminated from current soil gas ARIC designation.
Completed Area Name: Completed Sub Area Name: Completed Document Type:	PARCEL-B Not reported Record of Decision w/ESD

EDR ID Number Database(s) EPA ID Number

Completed Date:	10/28/1998	
Comments:	In the Parcel B ROD, the Navy's selected remedy for contaminated soils located on Parcel B was excavation to the groundwater table followed by offsite disposal. The depth to groundwater below Parcel B was believed to typically occur at 10 feet below ground surface (obgs"). However, in early 1998, fieldwork on the Site indicated that the depth to groundwater beneath Parcel B could be as shallow as 2.3 feet bgs. This ESD revises the selected remedy of the Parcel B ROD to require cleanup of contaminated soils to a cleanup level of 10-6 cancer risk (residential) or to a maximum depth of 10 feet bgs instead of to the groundwater table to ensure that the Parcel B remedy is protective of human health and the environment.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 09/22/2011 Final SUPR acceptance will be documented as part of regulatory acceptance of the Parcel B RACR.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Workplan 07/07/2011 This revision to the SUPRA is a result of the Survey Unit Project Report (SUPR) prototype that was agreed upon by CDPH in August 2010. All SUPR reports dated after August 2010 incoporate the prototype changes, and now the SUPRA has been updated accordingly.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Fieldwork 07/07/2011 Installation of soil cover and revetment. Demobilized 7/7/2011. CDPH Post-Cover Scan of IR sites 07/18 occurred the week of 8/8/2011.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Preliminary Assessment Report 04/15/1994 Previous field investigations, document searches, and studies at HPA have focused primarily on sites considered eligible for funding through the Installation Restoration (IR) program. The Site Assessments were conducted to identify sites potentially contaminated during approximately the past 10 years that were not included in the IR programs in Parcels B, C, D, and E and to make recommendations for additional field activities. Some previously investigated sites were also assessed when new information and/or new areas of the sites were made available or accessible as a result of the Navy's recent building cleanout program or other ongoing activities.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 12/23/2009 Also included as an appendix (Appendix E) to the Community Involvement Plan.	

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	;
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Supplemental Site Investigation Tech Memo 02/19/2001 The technical memorandum presents the results of studies that evaluated the distribution of the Bay Mud aquitard and characterized the B-aquifer in parcel B.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Technical Report 03/20/2012 An underground storage tank (UST) of approximately 200 gallons containing a mixture of petroluem, metals, and solvents was removed in February 2011 (2/9 to 2/16/2011). Approximately 50 cubic yards of soil and 1,000 gallons of tank liquids and rinse water was also removed as a component of the UST removal.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Monitoring Report 08/31/2001 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Plan 08/05/2011 Updates the project personnel list and updates the list of analytes to incorporate groundwater monitoring recommendations provided in the Final In-Situ Anaerobic Bioremediation Treatability Study Completion Report for RU-C1, Building 253, dated June 8, 2011.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 01/08/2001 The technical memorandum provides the results of the Phase I Groundwater Data Gaps Investigation (GDGI) performed at Hunters Point Shipyard in San Francisco, California. The purpose of the technical memorandum is to document the results from the Phase I GDGI and to provide these results to the BCT such that the BCT can evaluate the Phase I sampling and recommend changes to the Phase II sampling, if necessary.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Remedial Investigation Workplan 12/22/1988 Describes sampling fieldwork to be performed at the sub-base area IR-7.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Site Summary Report 07/27/1993 Not reported	

Database(s)

HUN	ITERS POINT NAVAL SHIPYA	ARD, PARCEL B (Continued)	<b>S</b> 1
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Design/Implementation Workplan 09/07/1999 Remedial Design documents include the (1) Remedial Design Work Plan, (2) Technical Specifications / Drawings, (3) Construction Quality Assurance Plan, (4) Confirmation Sampling and Analysis Plan, and (5)	
	Completed Area Name: Completed Sub Area Name:	Remedial Action Monitoring Plan. PARCEL-B Not reported	
	Completed Document Type: Completed Date: Comments:	Technical Report 03/05/2012 A Scoping Survey was conducted for the concrete cantilevered submarine quay wall structure adjacent to Parcel B at Hunters Point Naval Shipyard, San Francisco, California. The purpose of the survey was to determine if elevated concentrations of residual radioactivity are present on the surface or within the materials in the near surface of the concrete cantilevered quay wall structure. The survey of this area has been designed as a Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) Class III survey. The executed methodology and survey results allow the use of survey data to support a Final Status Survey (FSS). This FSS Report presents the data collected during the scoping survey of the quay wall performed on July 8 and 11, 2011. No residual radioactivity exceeding the established release criteria was detected.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Site Summary Report 11/07/2008 Information provided by the Navy to support the findings and required actions of the Parcel B Record of Decision Amendment.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Finding of Suitability to Lease 03/05/2008 Buildings 103, 104, 115, 116, 117, and 125 are currently leased for use as artist studios. Building 120 is vacant, and Open Spaces 1 and 2 are currently used for parking. Building 606 is currently occupied by the San Francisco Police Department. Reuse of the Leased Premises will continue unter the current use scenario. The Lessee shall be required to obtain written Government approval prior to any proposed change in use of the Leased Premises as presently authorized. At no time should the leased premises be used for residential or childcare facilities.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 03/20/2012 This report presents a revised approach for developing soil gas action levels for vapor intrusion exposure by making corrections to the toxicity values used to calculate soil gas action levels.	
	Completed Area Name:	PARCEL-B	

Direction	
Distance	
Elevation	Site

	Ч		EDR ID Number
Site		Database(s)	EPA ID Number
HUN	NTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
	Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	IR 07/18 Remedial Action Completion Report 10/16/2012 The remedial action at Installation Restoration Sites 07 and 18, Parcel B, included installation of durable covers, including soil covers, asphalt covers, and shoreline revetment, that provide physical barriers to prevent exposure of humans and wildlife to contaminants of concern and potential radionuclides of concern in soil. Institutional controls related to operation and maintenance and land use controls for the implemented remedy are still necessary and required before remedial action certification will be issued.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 01/10/2012 Documents groundwater data collected basewide from April 2011 through September 2011 during the second and third quarter 2011 monitoring events.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 07/18/2012 This Technical Memorandum summarizes and evaluates key groundwater analytical results, and recommends revisions to the Basewide Groundwater Monitoring Program (BGMP) related to continued groundwater monitoring in Parcels B, D-1, G, and UC-2. Remedial Action Monitoring Plans (RAMPs) and Remedial Designs (RDs) have been published for these parcels, and the current monitoring program is based on the RAMPs. Other HPNS Parcels (including Parcels C, E, and E-2) have not yet reached the RAMP/RD phase, and investigations are ongoing.	
	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Design/Implementation Workplan 10/12/2012 The design of the revetment in the original remedial design (RD) was contingent on an evaluation of the slope stability of the revetment based on additional, site-specific geotechnical data. The Navy collected site-specific geotechnical data, and this amended design basis report (DBR) presents the updated stability evaluation. The results of the stability evaluation indicated that a revision to the revetment design was necessary because the original design would not result in a geotechnically stable configuration. This amended DBR presents an updated revetment design. The primary revision to the revetment design was a reduction in the elevation of the crest of the revetment from about 16 feet to about 11 feet above mean sea level. This change greatly reduced the size of the revetment and the resultant load on the top of the shoreline slope that would have created instability. Other revetment design considerations, such as slope, thickness, and materials selection, are unchanged from the original RD, except for a segment of the revetment where the slope was reduced to address potential instability caused by a thick section of bay mud at that location. In addition, the design of the revetment increased the revetment length by about 300 feet (as	

EDR ID Number Database(s) EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

measured at the toe of the revetment) to account for the Navy?s
removal of piers along the Parcel B shoreline during 2011.

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Remedial Action Implementation Workplan 11/20/2012 This Remedial Action Work Plan (RAWP) describes how the remedial action (RA) will be implemented at Parcel B (excluding Installation Restoration [IR] Sites 07 and 18), Hunters Point Naval Shipyard (HPNS), San Francisco, California. The RA is described in detail in the oFinal Remedial Design Package, Parcel B (Excluding IR Sites 7 and 18), Hunters Point Shipyard, San Francisco, Californiao and the oAmendment to Revised Final Design Basis Report for Parcel B (Excluding IR Sites 7 and 18), Hunters Point Naval Shipyard, San Francisco, Californiao (RD). The basis and development of the RD were aligned with the remedy selected in the Final Amended Record of Decision (ROD) for Parcel B. The RA will address chemicals of concern (COCs) in soil and groundwater and includes installation of shoreline revetment; installation of durable covers made of soil and asphaltic concrete (AC); repair of existing building foundations; expansion of a soil vapor extraction (SVE) system; and injection of polylactate into the groundwater. The shoreline revetment and durable covers will provide a physical barrier that will prevent exposure of humans and wildlife to COCs in soil. The SVE system will be expanded and operated to remove COCs in soil gas, and polylactate will be injected to treat COCs in groundwater to address the risk from soil vapor intrusion at Parcel B.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Operations and Maintenance Plan 11/01/2012 The Operation and Maintenance Plan describes the long-term maintenance and monitoring requirements for the soil cover, asphalt pavement cover, groundwater monitoring wells, and shoreline revetment at Installation Restoration Sites 07 and 18 in Parcel B at Hunters Point Naval Shipyard.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Enforceable Schedule 09/26/2012 Serves as the new comprehensive baseline schedule for the Installtion Restoration Program at HPNS.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported 5 Year Review Reports 12/10/2013 The stated purpose of the Five-Year Review is to evaluate the performance of the remedies implemented at Hunters Point Naval Shipyard to verify that they remain protective of human health and the environment. The Five-Year review includes document and data review, site inspections, personnel interviews, regulatory agency comments, and report development. The review is documented in this report that will state whether each remedy is or will be protective,

EDR ID Number Database(s) EPA ID Number

UNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S		<b>S</b> 1
	document any deficiencies identified in the review, and recommend actions for improvement if the remedy has not performed as designed. All implemented remedies continue to be protective of human health and the environment while the remaining remedies are expected to be protective of human health and the environment upon completion at Hunters Point Naval Shipyard.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 10/14/2013 The report documents data collected from January through June 2013, comprising the first and second quarters of 2013 as part of the basewide groundwater monitoring program.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Long Term Monitoring Report 11/08/2013 This report summarizes operation and maintenance (O&M) activities performed following implementation of the remedial action (RA) at Installation Restoration (IR) Sites 07 and 18 in Parcel B, Hunters Point Naval Shipyard (HPNS), San Francisco, California. The RA was successfully completed in July 2011, as documented in the 2012 Final Remedial Action Completion Report for Installation Restoration Sites 07 and 18 at Parcel B. This is the second Annual O&M Summary Report prepared by the Department of the Navy (Navy) for IR Sites 07 and 18, since the RA was completed. The activities performed during the second annual O&M period included quarterly site inspections beginning in the third quarter 2012 and periodic site maintenance. This annual report only summarizes the O&M activities associated with the durable covers, including the shoreline revetment, soil cover, and asphaltic pavement. Groundwater monitoring (i.e., long-term monitoring) is performed under the basewide groundwater monitoring program, and groundwater results are reported in separate periodic groundwater monitoring reports for HPNS.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 07/18 Technical Report 05/23/2013 This document presents the methodology and evaluations used to estimate the dose and risk future users of the radiologically impacted area requiring institutional controls (ARIC) at Installation Restoration (IR) Program Sites IR-07 and IR-18, Hunters Point Naval Shipyard (HPNS), San Francisco, California.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B IR 10 Technical Workplan 07/09/2013 This Soil Vapor Extraction (SVE) System Startup and Operations Plan was developed to describe the procedures for startup, maintenance, monitoring, shutdown, and closure of the SVE system to be operated at Installation Restoration Site 10 as part of the remedial action being performed at Parcel B (excluding IR Sites 07 and 18) at Hunters Point Naval Shipyard. The SVE system located at IR Site 10 was expanded	

#### S101272855

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Completed Date:

06/21/2012

MAP FINDINGS

EDR ID Number Database(s) EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) between December 3 and 6, 2012, and will be operated as part of the final remedy, in accordance with the Final Amended Parcel B Record of Decision and the Final Remedial Design, to remove residual volatile

	organic compounds (primarily trichloroethene) in soil gas below the Building 123 foundation.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/29/2011 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/29/2012 Completed under RWQCB oversight and provided here for informational purposes.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/29/2013 Completed under RWQCB oversight and provided here for informational purposes.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-B Not reported Remedial Action Implementation Workplan 12/27/2013 The purpose of this addendum is to describe how the remedial action (RA) currently being implemented at Parcel B (excluding IR-07 and IR-18) will be expanded to include a data gaps investigation to support future site management decisions at petroleum Corrective Action Area (CAA)-21, CAA-22, Area of Concern (AOC) 46-A, AOC 46-B, AOC 46-C, and AOC 24-C (hereafter referred to as the oCombined Siteo). In November 2012, petroleum hydrocarbon contamination was discovered along the shoreline during construction of the revetment structure as part of the Parcel B RA. This RAWP Addendum describes the approach for characterizing the nature and extent of TPH contamination at the Combined Site and the approach for updating the current conceptual site model. The RWQCB is the primary regulatory oversight agency with regards to petroleum characterization and remediation at Hunters Point Naval Shipyard.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Long Term Monitoring Report 10/01/2012 Documents groundwater data collected basewide from October 2011 through June 2012 during the fourth quarter 2011, first quarter 2012, and second quarter 2012 monitoring events.
Completed Area Name: Completed Sub Area Name: Completed Document Type:	PARCEL-B IR 07/18 Correspondence

EDR ID Number Database(s) EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Comments:

# The transmittal presents the independent gamma scan survey results obtained by the California Department of Public Health's Radiologic Health Branch pre-cover (October 25-29, November 1-5, and November

15-17, 2010) and post-cover (August 8-12 and 15-19, 2011).

Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date:

PROJECT WIDE Not reported 5 Year Review Reports 2018 PARCEL-B IR 07/18 Operations and Maintenance Report 2015 PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 2016 PARCEL-B Not reported Land Use Restriction 2014 PARCEL-B Not reported Certification 2014 PARCEL-B IR 07/18 Land Use Restriction 2014 PARCEL-B Not reported **Operations and Maintenance Plan** 2014 PARCEL-B Not reported Remedial Action Completion Report 2014 PARCEL-B Not reported Finding of Suitability to Transfer 2014 PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 05/14/2014 Not reported

Facility ID: 38440003 Status: Active 05/01/1986 Status Date: Site Code: 200050 Site Type: Federal Superfund Site Type Detailed: **Closed Base** Acres: 78 NPL: YES **Regulatory Agencies:** SMBRP. RWQCB 2 - San Francisco Bay, US EPA Lead Agency: SMBRP, US EPA

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Database(s)

HUNTERS POINT NAVAL	SHIPYARD, PARCEL B (Continued)	S101272855
Program Manager: Supervisor:	Ryan Miya Denise Tsuji Classup Parkelar	
Division Branch: Assembly:	Cleanup Berkeley 17	
Senate:	11	
Special Program:	Navy	
Restricted Use:	NO	
Site Mgmt Req:	NONE SPECIFIED	
Funding:	BRAC 91	
Latitude:	37.72611 -122.3588	
Longitude: APN:	NONE SPECIFIED	
Past Use:	DEGREASING FACILITY, DRY DOCKS, EQUIPMENT/INSTRUMENT REPA	AIR, FOUNDRY,
	FUEL - VEHICLE STORAGE/ REFUELING, FUEL HYDRANT PUMPING ST	
	FUEL TERMINALS, LABORATORIES- RADIOACTIVE, OIL/WATER SEPAR	ATORS,
	PAINT/DEPAINT FACILITY, PORT, SAND BLASTING, SHIPYARD - SHIP	_
	BUILDING/REPAIR, DRY DOCKS, RESEARCH - OTHER, SHIPYARD - SHI	
	BUILDING/REPAIR, DRY DOCKS, EQUIPMENT/INSTRUMENT REPAIR, F FUEL - VEHICLE STORAGE/ REFUELING, SHIPYARD - SHIP BUILDING/R	
	DRY DOCKS, FUEL - VEHICLE STORAGE/ REFUELING, FUEL HYDRANT	
	STATIONS, OIL/WATER SEPARATORS	
Potential COC:	Arsenic * Asbestos and Naturally Occurring Asbestos (NOA Total	
	Chromium (1:6 ratio Cr VI:Cr III Lead Polychlorinated biphenyls (PCBs	
	Polynuclear aromatic hydrocarbons (PAHs Radioactive Isotopes	
	1,2-Dichloroethylene (cis Tributyltin oxide (TBTO Arsenic Asbestos Containing Materials (ACM Benzene Lead Naturally Occurring Asbestos	
	(NOA Polychlorinated biphenyls (PCBs Radioactive Isotopes	
	Tetrachloroethylene (PCE TPH-MOTOR OIL Trichloroethylene (TCE Vinyl	
	chloride Polynuclear aromatic hydrocarbons (PAHs Radioactive Isotopes	
	TPH-diesel TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE Polynuclear	
	aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL	
Confirmed COC:	Arsenic * Asbestos and Naturally Occurring Asbestos (NOA Total	
	Chromium (1:6 ratio Cr VI:Cr III Lead Tributyltin oxide (TBTO Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons	
	(PAHs Radioactive Isotopes 1,2-Dichloroethylene (cis Arsenic Benzene	
	Radioactive Isotopes Tetrachloroethylene (PCE TPH-MOTOR OIL 40001-NC	)
	Polychlorinated biphenyls (PCBs Trichloroethylene (TCE Naturally	
	Occurring Asbestos (NOA Vinyl chloride Lead Polynuclear aromatic	
	hydrocarbons (PAHs Polynuclear aromatic hydrocarbons (PAHs	
	Radioactive Isotopes TPH-diesel TPH-gas Trichloroethylene (TCE TPH-MOTOR OIL TPH-diesel TPH-gas TPH-MOTOR OIL	
Potential Description:	OTH, SOIL, CSS, OTH, SOIL, SV, CSS, OTH, SOIL, SV, OTH, SOIL	
Alias Name:	HUNTERS POINT NAVAL SHIPYARD, GROUP 3	
Alias Type:	Alternate Name	
Alias Name:	HUNTERS POINT NAVAL SHIPYARD, PARCEL C	
Alias Type:		
Alias Name:	HUNTERS PT NAVAL SHIPYD- TREASURE ISLAND Alternate Name	
Alias Type: Alias Name:	TRIPLE A MACHINE SHOP	
Alias Type:	Alternate Name	
Alias Name:	110033615023	
Alias Type:	EPA (FRS #)	
Alias Name:	P23056	
Alias Type: Alias Name:	PCode 200050	
Alias Type:	Project Code (Site Code)	
Alias Name:	38440002	

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Jias Type:Envirostor ID NumberJias Name:38440004Jias Type:Envirostor ID NumberJias Name:38440005Jias Type:Envirostor ID NumberJias Name:38440007Jias Type:Envirostor ID NumberJias Type:Envirostor ID NumberJias Type:PARCEL-CCompleted Area Name:PARCEL-CCompleted Document Type:Treatability Study ReportCompleted Date:06/10/2011	Alias Type:	Envirostor ID Number
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substrate distribution and aroundwater extraction	Comments:	An In Situ Bioremediation (ISB) Treatability Study (TS) was conducted at Building 253 in Remedial Unit C1 (RU-C1) at Hunters Point Naval Shipyard (HPNS). The TS, which was conducted from March 2009 until September 2010, evaluated the potential for ISB to treat chlorinated ethenes present in the groundwater at RU-C1. Prior to base closure, the TS area (a portion of Building 253) was used by the Navy as the location of machining, welding, assembly, painting, and the fabrication of electronic, optical, and ordnance-related equipment. Soil vapor samples collected during all steps of the TS contained notable detections of chlorinated ethenes. In turn the vadose zone associated with Building 253 remains an area were the nature and extent of VOC contamination should be evaluated further. The following recommendations were made based on the results of the TS: = Two to three additional monitoring events should be performed over the next 1.5 years to evaluate the effectiveness of Emulsified Vegetable Oil and Dehalococcoides spp. injections. = ISB may be considered as a potentially feasible remedial alternative for groundwater at Parcel C. Further evaluation of the technology should include an analysis of methods to increase efficiency of full-scale
	ompleted Sub Area Name: ompleted Document Type: ompleted Date:	PARCEL-C Not reported Technical Report 08/03/2012 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion Report.
Completed Sub Area Name: Not reported   Completed Document Type: Technical Report   Completed Date: 08/03/2012   Comments: Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion	Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 08/06/2012 DTSC concurs with CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at Building

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HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855			
	271.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 08/06/2012 DTSC concurs with CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at Building 272.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 04/27/2012 All survey and sample results indicate that Building 214 meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of Building 214 for unrestricted radiological free release.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-2 Not reported Record of Decision 12/23/2009 The selected remedy for Parcel UC-2 is maintained landscaping or installation of durable covers, and institutional controls for soil; monitored natural attenuation and institutional controls for groundwater; and surveying radiologically-imacted areas, excavating storm drains and sanitary sewers and associated soils, and screening, separating, and disposing of radioactive sources and contaminated soil at an off-site, low-level radioactive waste facility for radiologically-impacted structures (storm drains and sewer lines).		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-2 Not reported Other Report 10/21/2010 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel UC-1/UC-2 Removal Action Completion Report.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-2 Not reported Other Report 10/25/2010 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel UC-1/UC-2 Removal Action Completion Report.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 05/26/2009 Letter serves as the Navy's notice of intent to dissolve the Hunters Point Naval Shipyard Restoration Advisory Board.		
Completed Area Name: Completed Sub Area Name:	UC-2 Not reported		

Database(s) EP/

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
Completed Document Type: Completed Date: Comments:	Removal Action Completion Report 09/14/2011 A total of 20 survey units were delineated for Parcels UC-1 and UC-2 with 9 survey units located in Parcel UC-2 (Survey Units 136, 137, 138, 141, 142, 143, 144, 145, and 149). In total, 6,407 linear feet of trench (inclusive of excavated soil and pipe/manholes) was excavated during the removal action. The Parcel UC-2 storm drain and sanitary sewer lines primarily consisted of concrete, VCP, cast iron, or corrugated metal located at depths between 1 and 11 feet bgs with 4-inch to 24-inch diameters. The maximum depths of the excavated trenches ranged between 2 feet and 20 feet bgs. Approximately of 20,680 cubic yards of soil were excavated from the Parcels UC-1 and UC-2 storm drain and sanitary sewer lines. About 876 cubic yards of soil that exceeded the release criteria was removed and placed in low-level radioactive waste bins for disposal by the Navy?s radiological waste contractor. Storm drain and sanitary sewer excavation activities commenced on March 20, 2009 and were completed on November 3, 2009.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 09/02/2009 RAB Dissolution Public Notice and Comment Period Announcement sent via e-mail.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Site Characterization Workplan 12/21/2009 All DTSC comments have been adequately addressed and there are no further comments at this time. The specific goal of this investigation is to provide additional analytical data for soil under buildings (134, 203, 214, and 231E) that will be incorporated into the ROD, remedial design and subsequent remedial action for Parcel C.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-2 Not reported Design/Implementation Workplan 01/13/2011 The design basis report (DBR) presents the design of the selected remedy to protect human health and the environment from actual or threatened releases of pollutants, chemicals, or hazardous substances at Parcels UC-1 and UC-2 at Hunters Point Shipyard (HPS) in San Francisco, California. The report develops the design for the remedy selected in the Records of Decision (ROD) for Parcels UC-1 and UC-2 to protect human health and the environment from chemicals of concern (COC) in soil and groundwater. The remedy selected in the RODs includes repair of the existing asphalt pavement, which is considered a durable cover, construction of a durable cover over the steeply sloped vegetated portions of the site, a focused soil gas survey to further delineate COCs in soil gas, and monitored natural attenuation for COCs in groundwater.	
Completed Area Name: Completed Sub Area Name: Completed Document Type:	PROJECT WIDE Not reported Technical Report	

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)			
Completed Date: Comments:	05/05/2010 Memo describes the proposed approach for establishing soil gas action levels at Hunters Point Shipyard (HPS) since more recent guidance documents for assessment of health risks from vapor intrusion have become available since Human Health Risk Assessments have been completed historically. All comments have been adequately addressed.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C RU-C5 Treatability Study Workplan 04/30/2010 The primary objective of the Treatability Study (TS) is to evaluate the effectiveness and costs of a multicomponent treatment strategy for reducing contaminant concentrations below their respective TS goals at RU-C5 using a suite of remedial technologies. If successful, the technologies may be incorporated in the Record of Decision and Remedial Design for Parcel C. Implementation of the TS will comprise three treatment components (TCs) based on the treatment technologies evaluated, characteristics of target treatment areas, and objectives: Treatment Component (TC-1): Hydraulic fracturing to enhance distribution of a longlived solid phase amendment, EHC<, which couples in situ bioremediation (ISB) with zero-valent iron (ZVI) to treat high concentration VOC contamination (> 1 mg/L) in the residual source area; TC-2: Thermally- enhanced ISB/ZVI using thermal conduction heating (TCH) to accelerate treatment of residual contaminants, including potential DNAPL, in the source area; and TC-3: hydraulic fracturing with EHC< within the dissolved phase plume, potentially coupled with biodegradation stimulated by sulfate-injection to polish residual contaminant degradation products that are recalcitrant under conditions prevalent during ISB/ZVI.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 01/27/2010 This survey Unit Project Reports Abstract, was prepared to document work conducted under the Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan (2006) and Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan u Revision 3 (2008) (Work Plan) at Hunters Point Shipyard (HPS), summarizes the scope, approach and radiological surveys used during removal of the sanitary sewer and storm drains located within HPS. This Abstract will be applicable to all Survey Unit Project Reports (SUPR) and data sets prepared for regulatory review.		
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C RU-C5 Treatability Study Report 01/31/2012 This completion report presents the results of a groundwater treatability study (TS) conducted at Installation Restoration (IR) Site 25, Remedial Unit (RU)‐C5, Building 134 in Parcel C, Hunters Point Naval Shipyard (HPNS) to demonstrate a multicomponent treatment strategy for a chlorinated organic contaminant source zone and contaminant groundwater plume. The TS was conducted to demonstrate treatment of various volatile organic contaminants (VOCs), including chlorinated ethenes and benzenes in the source zone		

EDR ID Number Database(s) EPA ID Number

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#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) and contaminant plume. A suite of technologies consistent with the selected CERCLA remedy in the Parcel C Feasibility Study (FS) was evaluated in the TS, including: [1] hydraulic fracturing to enhance distribution of a long‐lived solid phase amendment, EHC<, which couples in situ bioremediation (ISB) with zero valent iron (ZVI) reduction; [2] thermal conduction heating (TCH) within the dense nonaqueous phase liquid (DNAPL)‐ impacted source zone; and [3] LactOil< (proprietary mix of soybean oil and lactate) injection polishing. Report recommends that continued semiannual groundwater monitoring (integration with the basewide groundwater monitoring program) and soil vapor monitoring to evaluate concentrations once cooling has occurred and the soil vapor cap has been removed. Completed Area Name: UC-2 Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 11/15/2010 Comments: Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel UC-1/UC-2 Removal Action Completion Report. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: \*Correspondence - Received Completed Date: 03/23/2010 Comments: Received via e-mail on 3/24/2010. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: \*Correspondence - Received Completed Date: 04/20/2010 Comments: Received hard copy in mail on 4/23/2010. Completed Area Name: UC-2 Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 11/15/2010 Comments: Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel UC-1/UC-2 Removal Action Completion Report. PARCEL-C Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 10/07/2010 Comments: The specific goals of this investigation were to provide additional analytical data for soil under Buildings 134, 203, 214, and 231E that will be incorporated into the ROD, remedial design and subsequent remedial action for Parcel C. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 07/01/2009 Comments: Not reported Completed Area Name: PROJECT WIDE

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EDR ID Number EPA ID Number

#### Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 02/01/2010 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/01/2010 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 10/01/2009 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/01/2010 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Technical Workplan Completed Date: 03/01/2009 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Plan Completed Date: 10/09/2009 Comments: PARCEL-C Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 12/01/2005 Comments: Not reported Completed Area Name: PARCEL-C Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 07/18/2007 Comments: Not reported PARCEL-C Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 04/01/2007 Comments: Not reported Completed Area Name: PARCEL-C Completed Sub Area Name: Not reported Design/Implementation Workplan Completed Document Type: Completed Date: 02/01/2013

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)
HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272
Comments:	The Remedial Design (RD) and Design Basis Report (DBR) present the I that was developed to implement the selected remedy for contaminated soil and groundwater at Parcel C. The selected remedy is described in the 2010 Final Record of Decision for Parcel C. The objective of the DBR is to provide remedial design drawings and the basis of design to implement the selected remedial actions for soil and groundwater at Parcel C. Elements of this DBR include the RD approach for excavations, soil vapor extraction (SVE), durable covers, zero-valent iron (ZVI) injection, and bioremediation.	RD
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Treatability Study Workplan 10/13/2006 This document describes the technical approach and operational requirements for testing sequential reductive/oxidative in situ bioremediation (ISB) for treating various organic compounds in groundwater at Remedial Unit (RU)-CI in Parcel C at Hunters Point Shipyard (HPS), San Francisco, California. The primary contaminants of concern (COCs) in groundwater at RU-C1 are tetrachloroethene (PCE), trichloroethene (TCE), dichloroethene (DCE) isomers, and vinyl chloride (VC). Other contaminants that have been historically detected on site and may require treatment include: I,I-dichloroethane (I,1-DCA), 1,2-dichloroethane (I,2-DCA), benzene, 1,4-dichlorobenzene (I,4-DCB), and total petroleum hydrocarbons (TPH) (diesel and motor oil range).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Finding of Suitability to Lease 07/27/1994 The property to be licensed is comprised of approximately 45,000 square feet within the interior of Building 281, and use of the paved area directly adjacent to the north side of Building 281 as a parking area. The property will be licensed on an interim basis for approximately 4 months to Skellington Productions, Twentieth century Fox Company (hereinafter, "company"), for constructing a film production set and filming an animated feature film.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Site Characterization Workplan 07/31/2000 This FSP has been developed to provide specific details about the methods to be used for sample collection, the location and number of samples to be collected, field quality control (QC) procedures, sampling and handling procedures, and shipping. A quality assurance project plan (QAPP) has also been developed to supplement this document.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Remedial Investigation Workplan 12/17/1993 Not reported	
Completed Area Name:	PROJECT WIDE	

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Other Report 11/19/2010 DTSC did not review / approve this document and it is being provided for informational purposes only.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Workplan 11/29/2010 The document describes the scope and approach for sanitary sewer and storm drain removal in Parcel C work areas (WA)-31, WA-32, WA-33, WA-34, and WA-35 at Hunters Point Shipyard. Removal of 22,907 linear feet of sanitary sewer and storm drain line within Parcel C will be executed. The document was not reviewed or approved by the DTSC and is provided for informational purposes only.	Ł
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 11/29/2010 This plan was developed to ensure that the Navy manintains a coordinated approach for dust control and air monitoring activities across multiple contracts. At a minimum, all contractors will be required to adhere to the requirements set forth in the document. DTSC did not review / approve the document as dust control practices are evaluated on a project-specific basis and it has been provided for informational purposes as part of the administrative record.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 06/03/1996 The basewide environmental baseline survey (EBS) report prepared for Hunters Point Annex (HPA), San Francisco, California, summarizes environmental information gathered by PRC Environmental Management, Inc. (PRC), for the Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Engineering Field Activity West (EFA WEST). This document is based on existing environmental information gathered during the period of May to December 1995 related to the storage, release, treatment, or disposal of hazardous substances or petroleum products at HPA.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Plan 05/16/2011 The 2009 SAP was amended to incorporate the requirements of recent HPS Comprehensive Environmental Response, Compensation, and Liabi Act (CERCLA) documents, such as Remedial Action Monitoring Plans (RAMPs), Records of Decision (RODs), and Feasibility Studies (FSs), and to update the SAP based on the recent work conducted (eg groundwater treatability studies and corrective actions).	lity
Completed Area Name: Completed Sub Area Name: Completed Document Type:	PROJECT WIDE Not reported Remedial Action Implementation Workplan	

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EDR ID Number EPA ID Number

Completed Date: Comments:	07/30/2010 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 06/03/2011 The Community Involvement Plan presents the Navy's plans to inform and involve the community in the environmental cleanup program moving forward based on feedback obtained from the Hunters Point Shipyard community about past communication and community involvement program activities.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Site Characterization Workplan 02/09/2012 The objective of this investigation is to provide soil, groundwater, and soil vapor data to aid in the design and implementation of a remedial action primarily for groundwater treatment and localized soil source remediation using soil vapor extraction. The investigation is primarily focused on further defining the boundaries of existing groundwater plumes for remediation purposes and to help define the area warranting soil vapor extraction treatment per the Final Parcel C Record of Decision for localized soil impacts. Soil vapor and co-located soil sampling will be used to provide pre-design information for one soil vapor source treatment area (SVE Area 2). Grab groundwater and soil sampling will be used to refine the boundaries of the groundwater treatment areas within RU-C2.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C RU-C5 Treatability Study Workplan 03/23/2011 The original SAP assumed sulfate would be injected as a polishing agent to reduce benzene concentrations if necessary for TC3. The decision condition to inject sulfate was to be made if: 1) benzene was present, 2) parent compounds were below Project Action Limits (PALs), and 3) reductive daughter products were above PALs. However, after 4 rounds of groundwater performance monitoring at TC3, the following conditions have been observed: 1) benzene is present, 2) parent compound 1,4-dichlorobenzene and chlorobenzene concentrations are above PALs, and 3) reductive daughter products are above PALs. Injecting carbon in these conditions will therefore be more effective that injecting sulfate so that the 1,4- dichlorobenzene and chlorobenzene (parent compounds) concentrations can be reduced. Sulfate has been measured in the system; therefore it is not anticipated that sulfate injections will be necessary for TC3.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 08/06/2012 DTSC concurs with CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at Building 203.

Map ID	
Direction	
Distance	
Elevation	Site

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 03/23/2011 Documents groundwater data collected basewide from April 2010 through September 2010 during the second and third quarter 2010 monitoring events.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Remedial Investigation Report 03/13/1997 Based on historic activities and uses, 12 areas of concern were identified in Parcel C where contaminants may have been released to soil and groundwater (IR-27, IR-28, IR-29, IR-30, IR-45, IR-49, IR-50, IR-51, IR-57, IR-58, IR-63, and IR-64). Contaminants of concern include metals, VOCs, SVOCs, pesticides, PCBs, petroleum hydrocarbons, were present in soil and groundwater exceeding screening criteria.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/23/2000 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I (the current document) addresses radioactivity associated with the Naval Nuclear Propulsion Program (NNPP).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/31/2004 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I was published in August 2000 and addressed radioactivity associated with the Naval Nuclear Propulsion Program (NNPP). Volume I concluded that berthing of and work on nuclear-powered ships at HPS resulted in no adverse effect on the human population or the environment. Volume II of the HRA has been prepared pursuant to the Navy?s Installation Restoration (IR) Program, which encompasses the Navy?s Base Realignment and Closure (BRAC) Program, and in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 19 (SARA). Volume II describes the history of operations involving general radioactive material (G-RAM) that, for the purposes of this document, is defined as any radioactive material used by the Navy or Navy contractors not associated with the NNPP.	86
Completed Area Name:	PROJECT WIDE	

Completed Sub Area Name: Not reported

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HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)
Completed Document Type: Completed Date: Comments:	Technical Workplan 07/07/2011 This revision to the SUPRA is a result of the Survey Unit Project Report (SUPR) prototype that was agreed upon by CDPH in August 2010. All SUPR reports dated after August 2010 incoporate the prototype changes, and now the SUPRA has been updated accordingly.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/21/2011 This monitoring report incorporates revisions made from comments received on the previous semiannual groundwater report (February 2011).
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Removal Action Completion Report 07/12/2002 Removal for non-volatile organic compound (non-VOC) soil sites and two fuel line sites within Installation Restoration (IR) sites 25, 28, 29, 30, 57, 58, and 64 within Parcel C was completed. More than 8,800 cubic yards of soil were removed from 46 excavated sites. 660 feet of steam system line and 470 feet of fuel line was also removed.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 08/27/2012 DTSC concurs with CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at Building 241.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C RU-C5 Fieldwork 06/29/2011 Fieldwork mobilization and pre-treatment (baseline) sampling started 30 April 2010. Hydraulic fracturing and amendment (EHC) emplacement in source area implemented by December 2010, followed by thermal conduction heating from December 2010 through April 2011, and then lactOil polish step within the dissolved groundwater plume. Demobilized from field in June 2011.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Preliminary Assessment Report 04/15/1994 Previous field investigations, document searches, and studies at HPA have focused primarily on sites considered eligible for funding through the Installation Restoration (IR) program. The Site Assessments were conducted to identify sites potentially contaminated during approximately the past 10 years that were not included in the IR programs in Parcels B, C, D, and E and to make recommendations for additional field activities. Some previously investigated sites were also assessed when new information and/or new areas of the sites were made available or accessible as a result of the Navy's recent

EDR ID Number Database(s) **EPA ID Number** 

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855 building cleanout program or other ongoing activities. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: \*Correspondence - Received Completed Date: 12/23/2009 Comments: Also included as an appendix (Appendix E) to the Community Involvement Plan. Completed Area Name: PARCEL-C Not reported Completed Sub Area Name: Treatability Study Report Completed Document Type: Completed Date: 05/13/1998 Comments: Documents a soil vapor extraction treatability study (air sparging / soil vapor extraction) to assist the Navy in remedy selection. Completed Area Name: PARCEI -C Completed Sub Area Name: Not reported Completed Document Type: Supplemental Site Investigation Tech Memo Completed Date: 05/29/2002 A phased approach was used in the implementation of the groundwater Comments: data gaps investigation (GDGI) at HPS. Phase I was conducted at Parcel C from July through December 2000. Results from the Phase I GDGI at Parcel C were provided in the HPS revised information package for the Phase I GDGI. Phase II field activities were conducted at Parcel C from January through February 2001. Additional field activities are being planned at Parcel C as part of Phase III of the GDGI; these activities will be supplemented by characterization activities associated with the chemical oxidation treatability study currently being conducted at Parcel C Installation Restoration (IR) sites 25 and 28. Completed Area Name: PARCEL-C Completed Sub Area Name: Not reported Completed Document Type: Treatability Study Report Completed Date: 10/05/2005 The primary objective of the ZVI injection TS was to evaluate and Comments: document the effectiveness of ZVI injection technology at reducing or destroying chlorinated volatile organic compounds (VOC) in groundwater in the vicinity of Building 272 within Parcel C. This TS is a follow-on study to the previously conducted technology demonstration and evaluates the effectiveness of the ZVI technology in treating lower residual concentrations over a larger area, while still treating an area of similar geology. Secondary objectives of this study included assessing the zone of influence of the treatment technology, and monitoring the potential displacement of contamination due to the injection procedure. TCE concentrations within the treatment zone decreased from a baseline average of 1,385 8g/L to a post-injection average of 35 8g/L, indicating that the ZVI treatment was effective in reducing the contaminant concentrations. Significant reduction percentages were also observed for cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, and vinyl chloride (with the exception of one well), which are intermediate degradation products of TCE. These reduction percentages indicate that, in general, TCE was reduced almost completely to ethene and chloride. PARCEL-C

Completed Area Name:

Completed Sub Area Name:	Not reported	
Completed Document Type:	Technical Workplan	
Completed Date:	10/18/2000	
Comments:	It is DTSC's position that the actions proposed are interim measures	
	and that final cleanup is subject to the Record of Decision approval process.	
	process.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Plan	
Completed Date: Comments:	08/05/2011 Updates the project personnel list and updates the list of analytes	
comments.	to incorporate groundwater monitoring recommendations provided in the	
	Final In-Situ Anaerobic Bioremediation Treatability Study Completion	
	Report for RU-C1, Building 253, dated June 8, 2011.	
Completed Area Name:	PARCEL-C	
Completed Sub Area Name:	RU-C5	
Completed Document Type:	Site Summary Report	
Completed Date:	11/16/2006	
Comments:	The technical memorandum documents groundwater and passive soil gas	
	sampling for additional site characterization at RU-C5 to delineate the lateral and vertical extent of VOC-contamination along the	
	boundary between parcels B and C.	
Completed Area Name: Completed Sub Area Name:	PARCEL-C	
Completed Sub Area Name.	Not reported Site Characterization Workplan	
Completed Date:	01/18/2001	
Comments:	The Navy has proposed to undertake a time-critical removal action	
	(TCRA) for steam lines, fuel lines, and non-volatile organic compound	
	(VOC) soil sites in Parcels C and D at Hunters Point Shipyard (HPS) in San Francisco, California. At the non-VOC soil sites in Parcel C,	
	the Navy will collect preexcavation delineation soil samples and	
	compare contaminant concentrations in these samples with cleanup	
	goals for the removal action to evaluate the extent of excavation	
	required. This sampling and analysis plan (SAP) documents the Navy?s	
	approach for delineating the non-VOC soil sites in Parcel C proposed	
	for the TCRA. This SAP details requirements specific to Parcel C. The Navy will include data and discussions of the removal actions in the	
	revised feasibility study (FS) for all the sites in Parcel C.	
Completed Area Neme		
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported	
Completed Document Type:	Site Summary Report	
Completed Date:	01/08/2001	
Comments:	The technical memorandum provides the results of the Phase I	
	Groundwater Data Gaps Investigation (GDGI) performed at Hunters Point	
	Shipyard in San Francisco, California. The purpose of the technical	
	memorandum is to document the results from the Phase I GDGI and to provide these results to the BCT such that the BCT can evaluate the	
	Phase sampling and recommend changes to the Phase II sampling, if	
	necessary.	
Completed Area Name:	PARCEL-C	
Completed Sub Area Name:	Not reported	

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		S101272855
Completed Date: Comments:	05/02/1994 Four utility sites (steam lines, fuel distribution lines, storm drains and sanitary sewers, and former transformer locations) and five builidng sites were investigated.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Remedial Action Implementation Workplan 02/16/2012 The sampling outlined in this work plan will characterize volatile organic compounds (VOCs) and chromium (VI) using a mobile laboratory and field screening methods to provide the data needed for zero-valent iron (ZVI) / in situ bioremediation (ISB) and soil vapor extraction (SVE) system design, and to prepare elements of the remedial action work plan that will be completed in accordance with forthcoming Remedial Design documentation. The overall remedial action objective will include removal of contaminants from RU-C1, RU-C4, and RU-C5 groundwater using ZVI injection and sequential (i.e., two-step) anaerobic ISB to reduce groundwater contaminants to levels that meet Final Parcel C Record of Decision (ROD) cleanup goals. For soil, the remedial activities include a combination of SVE and excavation to achieve the ROD cleanup goals.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Supplemental Site Investigation Tech Memo 05/11/2004 The purpose of the groundwater data gaps investigation (GDGI) was to update the previous assessment of groundwater conditions and to address data gaps identified during and after the remedial investigation, which was conducted during the mid-1990s. The new information will be used to help evaluate groundwater remedial technologies in the parcel-specific revised feasibility study (FS) reports. This report summarizes the results of the GDGI in Parcel C. Investigation results are presented based primarily on the investigation at four groundwater remedial units (RU) where the major contaminants are volatile organic compounds (VOC): RU-C1, RU-C2, RU-C4, and RU-C5. Phase III of the GDGI for Parcel C consisted of installation, development, and sampling of seventeen new monitoring wells at Parcel C; measurement water levels in 73 A- and B-aquifer and bedrock WBZs in Parcel C, as part of a basewide effort to assess horizontal hydraulic gradients; collection of groundwater samples from 120 monitoring wells in Parcel C to help characterize the vertical extent of contamination and confirm the horizontal extents of the RUs; conduct tidal influence study at 30 locations in Parcel C to evaluate the tidal effects on groundwater levels in the A- and B-aquifers; conduct tidal mixing study to evaluate tidal effects on salinity levels in selected A-aquifer monitoring wells; and conduct aquifer tests at RU-C1, RU-C2, and RU-C5 to help refine the hydrogeologic conceptual model.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-2 Not reported Technical Workplan 05/29/2008 This Design Plan describes the scope and approach for removing the storm drains and sanitary sewers from beneath Fisher Street (Parcel	

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S10		
	UC-2) and Spear Avenue (Parcel UC-1).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 08/10/2012 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Remedial Action Implementation Workplan 09/04/2013 This Work Plan describes the technologies and procedures that will be used to remediate soil and groundwater in Remedial Units (RUs) C1, C4, and C5, and Building 241 located in Parcel C at Hunters Point Naval Shipyard (HPNS), San Francisco, California. The work to be executed in RU-C1, RU-C4, and RU-C5, and Building 241 is in general compliance with the Final Remedial Design (RD) for Parcel C. The objective of the Final RD and this Work Plan is to implement the selected remedy as established in the Final Record of Decision for Parcel C, Hunters Point Shipyard, San Francisco, California. As the ROD specifies, the Final RD describes soil remediation using excavation, soil vapor extraction (SVE), and capping, and in situ remediation of chlorinated volatile organic compounds (CVOCs) in groundwater using zero-valent iron (ZVI), anaerobic bioremediation of CVOCs in groundwater, aerobic bioremediation of volatile organic compounds (VOCs) and CVOCs in groundwater, and monitored natural attenuation (MNA).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-2 Not reported Operations and Maintenance Plan 05/02/2013 This operation and maintenance plan (OMP) describes the long-term maintenance and monitoring requirements for the durable cover at Parcels UC-1 and UC-2. This OMP is intended to fulfill the substantive portions of the operations and maintenance (O&M) requirements identified in the applicable or relevant and appropriate requirements for the remedy in the Records of Decision for Parcels UC-1 and UC-2.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 08/23/2012 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 08/27/2012 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion	

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EDR ID Number EPA ID Number

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#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) Report. UC-2 Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Remedial Action Implementation Workplan Completed Date: 06/07/2012 Comments: This Remedial Action Work Plan (RAWP) describes how the durable cover Remedial Action (RA) will be implemented at Parcels UC-1 and UC-2, Hunters Point Naval Shipyard (HPNS), San Francisco, California. The RA is described in detail in the Final Remedial Design Package, Parcels UC-1 and UC-2. The basis and development of the remedial design (RD) were aligned with the remedies selected in the records of decision (RODs) for Parcels UC-1 and UC-2. The remedies selected in the ROD include a durable cover, groundwater monitoring for natural attenuation, soil vapor controls, and institutional controls (ICs). This RAWP only discusses installation of the durable cover. The RA will address chemicals of concern (COCs) in soil and includes installation and restoration of durable covers made of soil and asphaltic concrete (AC) at Parcels UC-1 and UC-2. The durable covers will provide a physical barrier that will prevent exposure of humans and wildlife to COCs in soil. Completed Area Name: PARCEL-C Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 09/18/2012 Comments: Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion Report. PARCEL-C Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 09/20/2012 Comments: Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion Report. PARCEL-C Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Technical Report Completed Date: 09/07/2012 Comments: Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel C Radiological Removal Action Completion Report. Completed Area Name: UC-2 Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 07/18/2012 This Technical Memorandum summarizes and evaluates key groundwater Comments: analytical results, and recommends revisions to the Basewide Groundwater Monitoring Program (BGMP) related to continued groundwater monitoring in Parcels B, D-1, G, and UC-2. Remedial Action Monitoring Plans (RAMPs) and Remedial Designs (RDs) have been published for these parcels, and the current monitoring program is based on the RAMPs. Other HPNS Parcels (including Parcels C, E, and

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IUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)
	E-2) have not yet reached the RAMP/RD phase, and investigations are ongoing.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Remedial Action Implementation Workplan 03/29/2013 The purpose of this Remedial Action Work Plan is to describe the approach and methods to be used during the Remedial Actions (RA) at Remedial Unit C2 (RU-C2). Media requiring remediation include soil, soil gas, and groundwater. RU-C2 includes two discrete groundwater plumes of dissolved volatile organic compounds, as well as soil-gas and soil contamination at a number of locations. The primary objective of this RA is to address groundwater using in-situ treatment methods. Secondary objectives include treatment of localized soil source areas using soil-vapor extraction and excavation of contaminated soils.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Technical Report 04/03/2014 Final formal approval will be parcel-wide RURR memo for Parcel C.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Enforceable Schedule 09/26/2012 Serves as the new comprehensive baseline schedule for the Installtion Restoration Program at HPNS.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-2 Not reported 5 Year Review Reports 12/10/2013 The stated purpose of the Five-Year Review is to evaluate the performance of the remedies implemented at Hunters Point Naval Shipyard to verify that they remain protective of human health and the environment. The Five-Year review includes document and data review, site inspections, personnel interviews, regulatory agency comments, and report development. The review is documented in this report that will state whether each remedy is or will be protective, document any deficiencies identified in the review, and recommend actions for improvement if the remedy has not performed as designed. All implemented remedies continue to be protective of human health and the environment while the remaining remedies are expected to be protective of human health and the environment upon completion at Hunters Point Naval Shipyard.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/29/2011 Completed under RWQCB oversight and provided here for informational purposes.
Completed Area Name:	PROJECT WIDE

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HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	ę
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Monitoring Report 02/02/2007 not an approval letter, more work needed on gw monitoring program and reports.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Monitoring Report 02/02/2007 not an approval letter, more work needed on gw monitoring program and reports.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Monitoring Report 02/02/2007 This letter is not an approval letter, more work is needed on gw monitoring program and reports.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Monitoring Report 07/18/2007 final letter on Revision 1 of document. DTSC, RWQCB, EPA and Navy continue to discuss changes to the groundwater monitoring program.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Monitoring Report 07/18/2007 revision 1 of document. DTSC, RWQCB, EPA and Navy continue to discuss improvements to the groundwater monitoring program	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Monitoring Report 04/24/2008 DTSC has no comments on final groundwater report. The Navy, DTSC, EPA and the Regional Water Quality Control Board are in the process of revising the groundwater monitoring Sampling and Analysis Plan (SAP). Groundwater issues will be resolved through the SAP, therefore, DTSC defers comments on groundwater issue to the SAP.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Remedial Action Implementation Workplan 10/25/2010 Document provided for records only, not reviewed or approved by DTSC. A Design Plan, providing detailed design drawings and technical specifications for each trench segment in Parcel C will be provided under a separate cover.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PARCEL-C Not reported Record of Decision 09/30/2010	

Comments:	Implementation of the remediation remedy at Parcel C will include soil, groundwater, and radiological remediation. Excavation and off-site disposal, soil vapor extraction, durable covers, and institutional controls will be implemented to address soil contamination; treatment of volatile organic compounds (VOCs) with zero-valent iron or a biological substrate, monitored natural attenuation, and institutional controls will be implemented to address groundwater contamination; and decontamination of buildings, removal of storm drains and sewer lines, decontamination or removal of structures below Building 205, and excavation of soil will be implemented to address radiologically-impacted structures and soil.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Feasibility Study Report 08/04/2008 Soil alternatives evaluated include: (1) no action, (2) institutional controls and maintained landscaping, (3) excavation, disposal, institutional controls, and maintained Landscaping, (4) covers and institutional controls, and (5) excavation, disposal, covers, soil vapor extraction, and institutional controls. Groundwater alternatives evaluated include: (1) no action, (2) institutional controls and long-term groundwater monitoring, (3a) In-situ bioremediation, monitored natural attenuation, and institutional controls, (3b) In-situ zero-valent iron reduction, bioremediation, monitored natural attenuation, and institutional controls, and (4) In-situ zero-valent iron reduction, plume-wide bioremediation, monitored natural attenuation, and institutional controls.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C IR 28 Treatability Study Workplan 10/20/2004 no agency approval letter	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Proposed Plan 03/02/2009 The Navy proposes the following actions to address contamination in soil, building structures, and groundwater at Parcels C and UC-2: (a) Removing soil in selected areas where concentrations of organic chemicals and lead, mercury, and zinc are higher than the levels considered safe for human health; (b) Operating a soil vapor extraction (SVE) system to remove and treat volatile organic compounds (VOCs) in soil; (c) Installing soil covers to prevent contact with metals (found throughout the fill material quarried from local rock and soil) in areas that were not excavated; (d) Conducting radiological surveys and decontaminating buildings, former building sites, sewer lines, and other areas potentially affected by radiological sources; (e) Screening, separating, and disposing of radioactive sources and radiologically-contaminated building materials and soil at disposal facilities that meet federal and state requirements; (f) Transporting excavated contaminated soil off site to an appropriate landfill; (g) Treating groundwater by injecting chemicals or biological nutrients to break down the organic contaminants at RU-C1, RU-C2, RU-C4, and RU-C5 and immobilize med	

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# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	ARD, PARCEL B (Continued)	3
	(h) Implementing a groundwater monitoring program to verify that remediation efforts meet remediation goals as defined in the RODs and that metals in groundwater do not impact the bay; (i) Using engineering controls (ECs) and institutional controls (ICs) to limit exposure to contaminated soil and groundwater by restricting specified land uses and activities on the parcel.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C RU-C5 Treatability Study Report 07/12/2006 DTSC has no further comments at this time. An In-situ bioremediation (ISB) treatability study (TS) was conducted at Building 134 in Remedial Unit C-5 (RU-C5) from April 2004 until May 2005 and evaluated the potential for in-situ bioremediation to treat chlorinated and non-chlorinated organics present in the groundwater. The TS demonstrated that sequential anaerobic and aerobic ISB is an effective treatment technology for mixed chlorinated organic plumes, such as that observed at RU-C5.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-C Not reported Feasibility Study Report 08/18/2008 The CDPH and DTSC have no further comments on final radiological addendum to the FS. Remediation alternatives evaluated for radionuclides include: (1) no action, (2) survey, decontamination, disposal, release, and institutional controls, and (3) survey, decontamination, disposal, release, close-in-place, and institutional controls.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Federal Facility Agreement 10/29/1991 Federal Facilities Agreement signed by the United States Navy, DTSC and US EPA.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Correspondence 06/13/2012 Summary of independent regulatory testing conducted by DTSC/CDPH and USEPA.	d
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date:	UC-2 Not reported 5 Year Review Reports 2018 UC-2 Not reported Operations and Maintenance Report 2015 PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 2016	

Map ID Direction Distance Elevation Site

#### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date:

PROJECT WIDE Not reported Record of Decision w/ESD 2015 PARCEL-C Not reported Land Use Restriction 2016 PARCEL-C Not reported Certification 2016 UC-2 Not reported Land Use Restriction 2015 PARCEL-C Not reported Remedial Action Completion Report 2016 PARCEL-C Not reported Remedial Action Completion Report 2015 PARCEL-C Not reported Remedial Action Completion Report 2015 PARCEL-C Not reported **Removal Action Completion Report** 2016 PARCEL-C Not reported Operations and Maintenance Plan 2016 UC-2 Not reported Certification 06/17/2014 Not reported PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 05/14/2014 Not reported UC-2 Not reported Remedial Action Completion Report 01/27/2014 Not reported UC-2 Not reported Finding of Suitability to Transfer 05/15/2014 Not reported

Database(s)

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SH	IIPYARD, PARCEL B (Continued)
Facility ID:	38440004
Status:	Active
Status Date:	05/01/1986
Site Code:	200050
Site Type:	Federal Superfund
Site Type Detailed:	Closed Base
Acres:	98.34
NPL:	YES
Regulatory Agencies:	SMBRP, RWQCB 2 - San Francisco Bay, US EPA
Lead Agency:	SMBRP, US EPA
Program Manager:	Ryan Miya
Supervisor:	Denise Tsuji

Site Type:	Federal Superfund
Site Type Detailed:	Closed Base
Acres:	98.34
NPL:	YES
Regulatory Agencies:	SMBRP, RWQCB 2 - San Francisco Bay, US EPA
Lead Agency:	SMBRP, US EPA
Program Manager:	Ryan Miya
Supervisor:	Denise Tsuji
Division Branch:	Cleanup Berkeley
Assembly:	17
Senate:	11
Special Program:	Navy
	NO
Restricted Use:	
Site Mgmt Req:	NONE SPECIFIED
Funding:	BRAC 91
Latitude:	37.72111
Longitude:	-122.3641
APN:	NONE SPECIFIED
Past Use:	DEGREASING FACILITY, FUEL HYDRANT PUMPING STATIONS, MACHINE SHOP,
	OFFICE BUILDING, OIL/WATER SEPARATORS, PAINT/DEPAINT FACILITY,
	PHOTOGRAPHIC PROCESSING, PORT, SAND BLASTING, SHIPYARD - SHIP
	BUILDING/REPAIR, TRANSPORTATION - WAREHOUSING, SHIPYARD - SHIP
	BUILDING/REPAIR, RESEARCH - OTHER, SHIPYARD - SHIP BUILDING/REPAIR,
	SHIPYARD - SHIP BUILDING/REPAIR, DRY DOCKS, SHIPYARD - SHIP
	BUILDING/REPAIR, LABORATORIES- RADIOACTIVE, SHIPYARD - SHIP
	BUILDING/REPAIR, SHIPYARD - SHIP BUILDING/REPAIR
Potential COC:	Arsenic * Asbestos and Naturally Occurring Asbestos (NOA Lead
	Polynuclear aromatic hydrocarbons (PAHs Radioactive Isotopes
	Trichloroethylene (TCE Chromium VI Manganese and compounds Zinc
	Arsenic Benzene Lead Naturally Occurring Asbestos (NOA
	Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons
	(PAHs Radioactive Isotopes Tetrachloroethylene (PCE Trichloroethylene
	(TCE Vinyl chloride Chloroform Arsenic Lead Polychlorinated biphenyls
	PCBs Trichloroethylene (TCE Chloroform Manganese and compounds
	Polynuclear aromatic hydrocarbons (PAHs Arsenic Lead Naturally
	Occurring Asbestos (NOA Radioactive Isotopes 1,1,1-Trichloroethane
	(TCA Trichloroethylene (TCE Chloroform Manganese and compounds
	Polynuclear aromatic hydrocarbons (PAHs Benzo[b]fluoranthene
	Benzo[a]pyrene Arsenic Naturally Occurring Asbestos (NOA Radioactive
	Isotopes Trichloroethylene (TCE Chloroform Chromium VI
Confirmed COC:	Arsenic * Asbestos and Naturally Occurring Asbestos (NOA Lead Zinc
commed coc.	Manganese and compounds Polynuclear aromatic hydrocarbons (PAHs
	Radioactive Isotopes Trichloroethylene (TCE Chromium VI Arsenic
	Benzene Polynuclear aromatic hydrocarbons (PAHs Radioactive Isotopes
	Tetrachloroethylene (PCE Polychlorinated biphenyls (PCBs
	Trichloroethylene (TCE Chloroform Naturally Occurring Asbestos (NOA
	Vinyl chloride Lead Arsenic Lead Polynuclear aromatic hydrocarbons
	(PAHs Polychlorinated biphenyls (PCBs Trichloroethylene (TCE
	Chloroform Manganese and compounds Arsenic Lead Polynuclear aromatic
	hydrocarbons (PAHs Benzo[b]fluoranthene Radioactive Isotopes
	Trichloroethylene (TCE Chloroform Manganese and compounds Naturally
	Occurring Asbestos (NOA Benzo[a]pyrene 1,1,1-Trichloroethane (TCA
	30001-NO Naturally Occurring Asbestos (NOA 30020-NO

EDR ID Number Database(s) EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

IUNTERS POINT NAVAL SHI	PTARD, PARCEL B (Continued)	Э
Potential Description:	Trichloroethylene (TCE Chloroform Chromium VI OTH, SOIL, CSS, OTH, SOIL, SV, OTH, SOIL, SV, OTH, SOIL, SV, OTH, SOIL, SV, SOIL, OTH, SOIL, SV	
Alias Name:	HUNTERS POINT NAVAL SHIPYARD, GROUP 4	
Alias Type:	Alternate Name	
Alias Name:	HUNTERS PT NAVAL SHIPYD- TREASURE ISLAND	
Alias Type:	Alternate Name	
Alias Name:	TRIPLE A MACHINE SHOP	
Alias Type:	Alternate Name	
Alias Name:	110033615023	
Alias Type:	EPA (FRS #)	
Alias Name:	P23057	
Alias Type:	PCode	
Alias Name:	200050	
Alias Type:	Project Code (Site Code)	
Alias Name:	38440002	
Alias Type:	Envirostor ID Number	
Alias Name:	38440003	
Alias Type:	Envirostor ID Number	
Alias Name:	38440004	
Alias Type:	Envirostor ID Number	
Alias Name:	38440005	
Alias Type:	Envirostor ID Number	
Alias Name:	38440007	
Alias Type:	Envirostor ID Number	
Completed Info:	5.4	
Completed Area Name:	D-1	
Completed Sub Area Nan	•	
Completed Document Typ		
Completed Date:	07/27/2009	
Comments:	The selected remedy consists of excavation and offsite disposal, durable covers, and institutional controls to address soil	
	contamination (arsenic, manganese, and polycyclic aromatic	
	hydrocarbons); treatment of volatile organic compounds and metals	
	(chromium IV and nickel) with biological substrate or zero valent	
	iron, groundwater monitoring, and institutional controls to address	
	groundwater contamination; and surveying, decontaminating, and	
	removing all radiologically-impacted structures and soil.	
Completed Area Name:	D	
Completed Sub Area Nan	_	
Completed Document Ty	•	
Completed Date:	09/05/2008	
Comments:	Not reported	
Completed Area Name:	D	
Completed Sub Area Nan	ne: Not reported	
Completed Document Typ	•	
Completed Date:	08/04/2006	
Comments:	Final letter sent requesting that document include response to DTSC	
	comments	
Completed Area Name:	D	
Completed Sub Area Nan	ne: Not reported	
Completed Document Typ	pe: Monitoring Report	
Completed Date:	12/01/2005	
Comments:	DTSC provided comments on draft. Final document did not include DTSC	

EDR ID Number Database(s) EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

S101272855

comments. Requested that Navy respond to DTSC comments

Completed Area Name	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Monitoring Report 02/02/2007 not an approval letter, more work needed on gw monitoring program and reports.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Monitoring Report 02/02/2007 not an approval letter, more work needed on gw monitoring program and reports. Improvements noted.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Monitoring Report 02/02/2007 not an approval, more work needed on gw monitoring program and reports.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Monitoring Report 02/02/2007 not an approval, more work needed on gw monitoring program and reports.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Monitoring Report 07/18/2007 letter on Revision 1 of document. DTSC, RWQCB, EPA and Navy continue to discuss improvements to the groundwater monitoring program
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Monitoring Report 07/18/2007 Revision 1 of document. DTSC, RWQCB, EPA and Navy continue to discuss improvements to the groundwater monitoring program.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Monitoring Report 04/24/2008 DTSC has no comments on final groundwater report. The Navy, DTSC, EPA and the Regional Water Quality Control Board are in the process of revising the groundwater monitoring Sampling and Analysis Plan (SAP). Groundwater issues will be resolved through the SAP, therefore, DTSC defers comments on groundwater issue to the SAP.
Completed Area Name: Completed Sub Area Name: Completed Document Type:	D Not reported Feasibility Study Report

Database(s)

EDR ID Number EPA ID Number

Completed Date:	05/16/2008	
Comments:	No further comments on final document.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G IR-9 Treatability Study Workplan 11/17/2008 DTSC provided comments on final work plan. Including request to remove plating sump and ensure that agreements made in meetings are reflected in work plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Design/Implementation Workplan 04/07/2011 The Remedial Design Package is composed of five components as follows: (1) Design Basis Report presents a description (technical specifications and design drawings, etc.) of the durable cover remedy that will be constructed, (2) Remedial Action Monitoring Plan presents the approach for monitoring chemicals of concern in groundwater, (3) Land Use Control Remedial Design addresses the institutional controls and restrictions required by the Record of Decision, (4) Operation and Maintenance Plan describes the inspection, maintainance, monitoring, and repair approach for maintenance of the remedy, and (5) Opinion of Probable Construction Cost presents an estimate of the probable costs for construction of the remedy.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Removal Action Completion Report 02/07/2014 This Radiological RACR documents the radiological surveys and remediation that were performed in the northern half of Parcel D-1, also referred to as Phase I. The work described in this document is Phase I of two separate work efforts to complete the radiological release of Parcel D-1. This document was prepared to summarize the results of the radiological work performed within Parcel D-1 to protect the public health and welfare, and the environment from actual or potential releases of radiological removal action objectives.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-2 Not reported Record of Decision 08/09/2010 The D-2 RACR Revision 1 and supporting documentation demonstrates that the soil meets the radiological release criteria of 1 picocurie per gram above background established for HPS. Radionuclides were the only potential contaminants of concern at Parcel D-2. Therefore, based on the currently available information, DTSC concurs with the No Further Action Record of Decision and the conclusion that any potential radiological contamination in Building 813 and the soil throughout Parcel D-2 has been adequately remediated.	
Completed Area Name: Completed Sub Area Name:	D-2 Not reported	

Completed Document Type:	Finding of Suitability to Transfer	
Completed Date: Comments:	05/02/2012 Based on the information contained in the Parcel D-2 FOST, the completion and certification of an approved radiological removal action, execution of a Parcel D-2 No Further Action Record of Decision, recommendation for radiological free release from CDPH-EMB, and the notices, restrictions, and covenants that will be contained in the deed, DTSC concurs with the finding that Parcel D-2 at Hunters Point Naval Shipyard is suitable for transfer.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Record of Decision 02/09/2009 The Selected Remedy for Parcel G is excavation, disposal, covers, and Institutional Controls (ICs) for soil; treatment, monitoring, and ICs for groundwater; and survey, decontamination, excavation, disposal, and release for radiologically-impacted structures and soil.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-1 Not reported Removal Action Completion Report 09/14/2011 A total of 20 survey units were delineated for Parcels UC-1 and UC-2 with 11 survey units located in Parcel UC-1 (Survey Units 133, 139, 140, 146, 147, 148, 150, 164, 167, 168, and 171). In total, 6,407 linear feet of trench (inclusive of excavated soil and pipe/manholes) was excavated during the removal action. The storm drain and sanitary sewer piping in Parcel UC-1 primarily consisted of concrete, VCP, or cast iron located at depths between 1 and 18 feet bgs with 6-inch to 33-inch diameters. The maximum depths of the excavated trenches ranged between 2 feet and 20 feet bgs. The total area of the exposed trench surface in Parcel UC-1 was 8,004 square meters with 3,509 linear feet of trench. Approximately of 20,680 cubic yards of soil were excavated from the Parcels UC-1 and UC-2 storm drain and sanitary sewer lines. About 876 cubic yards of soil that exceeded the release criteria was removed and placed in low-level radioactive waste bins for disposal by the Navy?s radiological waste contractor. Storm drain and sanitary sewer excavation activities commenced on March 20, 2009 and were completed on July 10, 2010.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-1 Not reported Record of Decision 07/27/2009 The selected remedy consists of excavation and offsite disposal, durable covers, and institutional controls to address soil contamination (arsenic, manganese, and polycyclic aromatic hydrocarbons); treatment of volatile organic compounds and metals (chromium IV and nickel) with biological substrate or zero valent iron, groundwater monitoring, and institutional controls to address groundwater contamination; and surveying, decontaminating, and removing all radiologically-impacted structures and soil.	
Completed Area Name: Completed Sub Area Name: Completed Document Type:	D-1 Not reported Technical Report	

Completed Date: Comments:	09/26/2012 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel D-1 Radiolgical Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 09/19/2012 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel D-1 Radiolgical Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 09/26/2012 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel D-1 Radiolgical Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 03/18/2013 All survey and sample results indicate that Building 274 meets the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation of Building 274 for unrestricted radiological free release.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 08/30/2013 All confirmation scans and soil sample results indicate that the former Building 313, 313A, and 322 sites meet the established release criteria. Therefore, CDPH-EMB and DTSC concur with recommendation the former Building 313, 313A, and 322 sites for unrestricted radiological free release.	of
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Design/Implementation Workplan 12/13/2010 The remedial design describes the detailed actions selected by the Record of Decision for Parcel G to protect the public health, welfare, and the environment from actual or potential releases of contaminants from the site. The remedial action for Parcel G addresses metals, semivolatile organic compounds, and radionuclides in soil, and volatile organic compounds (VOC) in groundwater. The primary risk to human health and the environment from these chemicals is through direct contact with the soil. The remedial design developed in this report includes limited removal of chemicals in soil and a durable soil cover over the entire parcel to prevent exposure. The remedial design for Parcel G also includes monitoring for VOCs in groundwater and a focused soil gas survey to monitor vapors below ground. The remedial design includes land use	

EDR ID Number Database(s) EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	restrictions to limit exposure of future landowners or users of the property to hazardous substances and to maintain the integrity of the remedy. The remedial design package includes five components: (1) design basis report, (2) remedial action monitoring plan, (3) land use control remedial design, (4) operation and maintenance plan, and (5) engineer?s opinion of probable cost. Together, these components describe the detailed process for building and maintaining the remedy for Parcel G.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/08/2011 Based on the review of all relevant submitted documents and confirmatory analysis completed by Drinking Water &Radiation Laboratory Branch, EMB recommends radiological unrestricted release for Building Site 317/364/365.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 08/02/2010 DTSC/CDPH support release for unrestricted use, with respect to radiological issues, at Building 351.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 10/06/2010 Based on the review of all relevant submitted documents and confirmatory radiological survey CDPH-EMB recommends and DTSC concurs with unrestricted release, with respect to radiological components, for Building 351A.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 04/01/2010 Based on the review of all relevant submitted documents and confirmatory radiological survey CDPH recommends unrestricted radiological release for the structure known as Building 366.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 10/28/2009 Concurrence for unrestricted radiological release of the building from CDPH received 10/23/09.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 07/29/2009 DTSC and CDPH do not have any additional comments. CDPH will be conducting a final verification survey shortly. After completion and pending the results from CDPH?s final verification scan, a memorandum supporting radiological release for unrestricted use at Building 408

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855		
	will be presented under a separate cover.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 10/06/2010 Based on the review of all relevant submitted documents and confirmatory radiological survey CDPH-EMB recommends and DTSC con with unrestricted release, with respect to radiological components, for Building 411.	curs
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/17/2011 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel G Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/22/2011 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel G Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-1 Not reported Technical Report 10/21/2010 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel UC-1/UC-2 Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 07/29/2009 DTSC and CDPH do not have any additional comments. CDPH will be conducting a final verification survey shortly. After completion and pending the results from CDPH?s final verification scan, a memorandum supporting radiological release for unrestricted use at Building 408 will be presented under a separate cover.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G IR-9 Pilot/Treatability Study Report 03/26/2010 This report presents the results of a groundwater treatability study (GWTS) conducted on behalf of the U.S. Department of the Navy (Navy) to assess the effectiveness of zero-valent iron (ZVI) to remediate groundwater within Parcels D-1 and G. The GWTS was designed to address five separate groundwater plumes within Parcels D-1 and G that each contained metals or volatile organic compounds (VOC) at concentrations potentially exceeding human health risk criteria. The primary objectives of the GWTS were to (1) evaluate and document the	

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## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	technical performance and cost of ZVI to remediate VOCs and metals in groundwater and (2) assess potential risks to future commercial/industrial workers from VOC vapor intrusion to indoor air both before and after ZVI injection (pre- and post-injection). Post-injection data show that ZVI reduced the average TCE groundwater concentration in IR-09 North by 87 percent and reduced the average chloroform concentration in IR-71 West by 98 percent. All measured TCE and chloroform concentrations in the shallow wells within these plumes were below the GWTS groundwater screening criteria. Soil vapor VOC concentrations were below the soil vapor risk screening criteria for future commercial/industrial workers except at one location in IR-71 West that just exceeded the criteria. Even with the single soil vapor result above the soil vapor risk screening criteria, the total estimated post-injection risks for commercial/industrial workers, which is considered acceptable because it does not exceed the target cancer risk of 1E-06. Post-injection risks were less than the target cancer risk of 1E-06. Under the Basewide Groundwater Monitoring Program, 2 years of semiannual monitoring will be conducted at groundwater monitoring wells within the GWTS ZVI injection areas to provide additional data on ZVI effectiveness, including contaminant reduction trends, daughter-product generation, and residual VOC migration.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 05/26/2009 Letter serves as the Navy's notice of intent to dissolve the Hunters Point Naval Shipyard Restoration Advisory Board.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-2 Not reported Removal Action Completion Report 01/13/2012 Seven excavated trench survey units designated within Parcel D-2 primarily consisted of shallow storm drain lines that were between 2 and 12 feet below ground surface and five shallow sanitary sewer lines. Approximately 1,434 cubic yards of soil was excavated from the Parcel D-2 trenches, including about 45 cubic yards of soil removed from one trench segment in SU-35 and one trench segment in SU-135 that was disposed of as low-level radioactive waste (LLRW). A total of 1,988 linear feet of trench (including overburden soil, peripheral material, excavated soil, and pipe/manholes) was excavated during the removal actions. A total of 1,027 linear feet of pipe and seven manholes were removed from SU-31, -32, -34, -35, and -38 and segregated pending radiological survey activities. One of the seven manholes (MH208) was disposed of as LLRW due to the presence of 137-Cs activity above the release limits in its sediment sample, and one manhole (MH200) was disposed of as LLRW, but was not contaminated. Only 3 of the 1,027 linear feet of pipe excavated was disposed of as LLRW due to elevated static measurements. The remaining manholes and pipe removed from SU-31, -32, -34, -35, and -38 were disposed of by the Navy?s nonradiological waste contractor. The 440 linear feet of pipe and four manholes removed from these

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HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855		
	trench survey units were placed directly into LLRW bins for off-site disposal. Relatively short segments of the storm drain lines remain at Parcel D-2 because: 1) their removal would adversely affect the integrity of Building 813; 2) they could not be removed due to worker safety issues; or 3) they were within 10 feet of the building face or other obstructions (stairways, loading docks, adjacent property retaining walls, or overhangs). Only five sanitary sewer trench lines are associated with Parcel D-2 and only 30 linear feet remain in place following the removal actions. Based on the currently available information, DTSC concurs with the findings in the D-2 RACR Revision 2 and the conclusion that any potential radiological contamination in Building 813 and the soil throughout Parcel D-2 has been adequately remediated.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Removal Action Completion Report 12/08/2011 Fieldwork for the Parcel G removal action began in June 2007 and excavation of the storm drain and sanitary sewer system was initiated on July 19, 2007. The last truckload of Parcel G soil was excavated on March 10, 2009. In total, 22,705 linear feet of storm drain and sanitary sewer lines were excavated during the Parcel G removal action and 4,108 truckloads (approximately 49,296 cubic yards) of soil were transferred to the radiological screening yard for processing. A total of 173 screening pads containing soil derived from the Parcel G storm drain and sanitary sewer excavation activities were processed during the removal action activities. During processing, a total of 7,532 soil samples were collected from the Parcel G screening pads and analyzed by the laboratory. Based on the analytical results, material from 14 Parcel G screening pads was disposed of in its entirety as low-level radioactive waste (LLRW), and an additional 2,828 cubic yards of soil was remediated and disposed of by the DON?s radiological waste contractor. Radiological release for unrestricted use of Buildings 317/364/365 Site has been obtained from the California Department of Toxic Substances Control and the Department of Public Health. The purpose of this removal action was to meet the currently specified objective and achieve the unrestricted radiological release of the 40.34 acres of Parcel G property.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 09/02/2009 RAB Dissolution Public Notice and Comment Period Announcement sent via e-mail.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-2 Not reported Technical Report 12/14/2011 These two additional Survey Unit Project Reports (SUPRs) will be included with the SUPRs for survey units 31, 32, 34, 35, and 38 in the Final Parcel D-2 Removal Action Completion Report (D-2 RACR), Revision 2. The Navy has requested that the approval of the above	

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## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

	SUPRs be documented as a part of DTSC's review and acceptance of the D-2 RACR. Revision 1 of the Final SUPRs was implemented in order to be consistent with the format approved by CDPH.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-1 Building 819 Technical Report 10/28/2009 Received concurrence from CDPH for radiological free release. The radiological free release memo issues radiological free release for all the above-grade portions of Building 819 and the subsurface sump structure located within the Building 819 footprint. The memorandum does not issue radiological free release of the subsurface sewer and utility lines emanating from Building 819 as removal of these components will be documented in forthcoming Survey Unit Project Reports (SUPRs), which are subject to separate regulatory review. The SUPRs will become appendices to the Parcel UC-1 Remedial Action Completion Report (RACR) and approval will occur with regulatory RACR concurrence.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 05/05/2010 Memo describes the proposed approach for establishing soil gas action levels at Hunters Point Shipyard (HPS) since more recent guidance documents for assessment of health risks from vapor intrusion have become available since Human Health Risk Assessments have been completed historically. All comments have been adequately addressed.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Report 01/27/2010 This survey Unit Project Reports Abstract, was prepared to document work conducted under the Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan (2006) and Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan u Revision 3 (2008) (Work Plan) at Hunters Point Shipyard (HPS), summarizes the scope, approach and radiological surveys used during removal of the sanitary sewer and storm drains located within HPS. This Abstract will be applicable to all Survey Unit Project Reports (SUPR) and data sets prepared for regulatory review.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-2 Not reported Technical Report 12/14/2011 These Survey Unit Project Reports (SUPRs) will be included with the SUPRs for survey units 134 and 135 in the Final Parcel D-2 Removal Action Completion Report (D-2 RACR), Revision 2. The Navy has requested that the approval of the above SUPRs be documented as a part of DTSC's review and acceptance of the D-2 RACR. Revision 3 of the Final SUPRs was implemented in order to be consistent with the format approved by CDPH.
Completed Area Name:	UC-1

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

Completed Sub Area Name Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name Completed Document Type: Completed Date: Comments:	•	er
Completed Area Name: Completed Sub Area Name Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name Completed Document Type: Completed Date: Comments:	•	
Completed Area Name: Completed Sub Area Name Completed Document Type: Completed Date: Comments:	•	
Completed Area Name:	G	

Database(s) EPA

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Technical Report 03/17/2011 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel G Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-1 Not reported Technical Report 11/15/2010 Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel UC-1/UC-2 Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 02/22/2011 Approval of these SUPRs will be documented as a part of review and acceptance of the Parcel G Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 02/25/2011 Approval of these SUPRs will be documented as a part of review and acceptance of the Parcel G Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 02/25/2011 Approval of these SUPRs will be documented as a part of review and acceptance of the Parcel G Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G - MULTIPLE SITES Not reported Site Characterization Workplan 06/10/2011 This Work Plan describes the air and soil gas sampling and analysis activities to be performed for a base-wide soil gas investigation for Parcels B, D-1, G, and UC-2 at the Hunters Point Shipyard (HPS). The primary objective of the soil gas investigation is to refine areas requiring institutional controls (ARICs) and determine which ARICs should be reduced, expanded, or eliminated. Future land use and development hinges upon whether redevelopment blocks or grids will require institutional controls to reduce risk (i.e. soil vapor inhalation risk above action levels result in the requirement for institutional controls).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G - MULTIPLE SITES Not reported Remedial Action Implementation Workplan 07/09/2010 This Remedial Action Work Plan (RAWP) describes how three separate remedial actions (RAs) will be performed at Parcels B, D-1, and G of	

EDR ID Number Database(s) EPA ID Number

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
	Hunters Point Shipyard (HPS), in San Francisco, California. The first RA, to be performed at Installation Restoration (IR) Sites 07 and 18 in Parcel B, will address chemicals of concern (COCs) in soil and sediment and includes a soil cover and shoreline revetment to provide a physical barrier to prevent exposure of humans and wildlife with COCs in soil. This RA is described in detail in the oFinal Design Basis Report, Installation Restoration Sites 7 and 18, Parcel B, Hunters Point Shipyard, San Francisco, Californiao. The second RA will include excavation and off-site disposal of soil hot spots contaminated with lead or polycyclic aromatic hydrocarbons (PAHs) at 11 locations in Parcels B, D-1, and G. The third RA will include characterization, removal, and off-site disposal of soil stockpiles at Parcels D-1 and G.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G - MULTIPLE SITES Not reported *Correspondence - Received 08/12/2010 CDPH's sample results confirm that the Navy's remediation process is achieving the action level established for Ra-226 and Cs-137 at Hunters Point Shipyard.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	07/01/2009	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	02/01/2010	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	06/01/2010	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	10/01/2009	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	06/01/2010	
Comments:	Not reported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Plan	
Completed Date:	03/01/2009	
Comments:	Not reported	

Database(s)

EDR ID Number EPA ID Number

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JNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)		
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Plan	
Completed Date:	10/09/2009	
Comments:	1	
Completed Area Name:	D	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	12/01/2005	
Comments:	Not reported	
Completed Area Name:	D	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	07/18/2007	
Comments:	Not reported	
Completed Area Name:	D	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Monitoring Report	
Completed Date:	04/01/2007	
Comments:	Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Removal Action Design 08/19/2010 DTSC did not review or approve the document, which is being provided for informational purposes only.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Workplan 03/21/2011 DTSC did not review or approve the document, which is being provided for informational purposes only.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Workplan 03/21/2011 Revision 1 was provided to expand the Parcel D-1 work area to include remediation of the deteriorated portions of the Gun Mole Pier quay wall (ship berth areas 15, 18, and 20).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Workplan 07/19/2010 DTSC did not review or approve the document, which is being provided for informational purposes only.	
Completed Area Name:	UC-1	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Technical Report	
Completed Date:	11/19/2010	

# HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

EDR ID Number Database(s) EPA ID Number

Comments:	Approval of the Final SUPRs will be documented as a part of review and acceptance of the Parcel UC-1/UC-2 Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/01/2011 Approval of the Final SUPRs will be documented as a part of our review and acceptance of the Parcel G Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/03/2011 Approval of the Final SUPRs will be documented as a part of our review and acceptance of the Parcel G Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/03/2011 Approval of the Final SUPRs will be documented as a part of our review and acceptance of the Parcel G Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/08/2011 Formal approval of the Final SUPRs will be documented as part of review and acceptance of the Parcel G Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/10/2011 Approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel G Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/10/2011 Approval of the Final SUPRs will occur as a part of DTSC review and concurrence with the Parcel G Radiological Removal Action Completion Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 03/15/2011 Approval of the Final SUPRs will be documented as a part of review

HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855		
	and acceptance of the forthcoming Parcel G Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Finding of Suitability to Lease 09/19/1994 The property comprises of approximately 10,200 square feet within the interior of Building 383, and use of the paved area directly southeast of Building 383 as a parking area. The lease will be to the Aboriginal Black-Man Unlimited (ABU) for a 4-month period. ABU plans to use the licensed building for training and educational purposes. An interim license is currently being proposed because of the ABU's immediate need for a facility to operate their job training and educational programs.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Site Characterization Workplan 07/31/2000 This FSP has been developed to provide specific details about the methods to be used for sample collection, the location and number of samples to be collected, field quality control (QC) procedures, sampling and handling procedures, and shipping. A quality assurance project plan (QAPP) has also been developed to supplement this document.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Workplan 07/14/2010 This Demolition Plan for Gun Mole Pier and South Pier Buildings (Demolition Plan) has been prepared for conducting demolition activities at Gun Mole Pier and South Pier in Parcel D-1 at Hunters Point Shipyard (HPS), San Francisco, California. Activities that will be conducted in this Demolition Plan are summarized as follows: o Perform structural engineering surveys sufficient to ensure safe demolition o Use existing surveys or perform pre-demolition surveys and abatement for asbestos-containing materials (ACMs) and lead based paint for buildings on the Gun Mole Pier and the South Pier o Demolish buildings on the Gun Mole Pier and the South Pier o Remove material for disposal and recycle with others The buildings to be demolished on the Gun Mole Pier are Buildings 370, 375, 376, 377, 378, 379, 380, 383, 384, 385, and the storage shed. The Demolition Plan did not undergo DTSC review and approval but has been provided for informational purposes.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Other Report 11/19/2010 DTSC did not review / approve this document and it is being provided for informational purposes only.	
Completed Area Name: Completed Sub Area Name: Completed Document Type:	PROJECT WIDE Not reported Technical Report	

Completed Date:	11/29/2010	
Comments:	This plan was developed to ensure that the Navy manintains a coordinated approach for dust control and air monitoring activities across multiple contracts. At a minimum, all contractors will be required to adhere to the requirements set forth in the document. DTSC did not review / approve the document as dust control practices are evaluated on a project-specific basis and it has been provided for informational purposes as part of the administrative record.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 06/03/1996 The basewide environmental baseline survey (EBS) report prepared for Hunters Point Annex (HPA), San Francisco, California, summarizes environmental information gathered by PRC Environmental Management, Inc. (PRC), for the Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Engineering Field Activity West (EFA WEST). This document is based on existing environmental information gathered during the period of May to December 1995 related to the storage, release, treatment, or disposal of hazardous substances or petroleum products at HPA.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Plan 05/16/2011 The 2009 SAP was amended to incorporate the requirements of recent HPS Comprehensive Environmental Response, Compensation, and Liabili Act (CERCLA) documents, such as Remedial Action Monitoring Plans (RAMPs), Records of Decision (RODs), and Feasibility Studies (FSs), and to update the SAP based on the recent work conducted (eg groundwater treatability studies and corrective actions).	ty
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Remedial Action Implementation Workplan 07/30/2010 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 06/03/2011 The Community Involvement Plan presents the Navy's plans to inform and involve the community in the environmental cleanup program moving forward based on feedback obtained from the Hunters Point Shipyard community about past communication and community involvement program activities.	n
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 03/23/2011 Documents groundwater data collected basewide from April 2010 through September 2010 during the second and third quarter 2010 monitoring events.	

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Remedial Investigation Report 10/25/1996 To evaluate the nature and extent of contaminants at Parcel D, preliminary assessments (PA), site inspections (SI), and RIs were conducted at 27 sites (IR-08, IR-09, IR-16, IR-17, IR-22, IR-32, IR-33, IR34, IR-35, IR-36, IR-37, IR-38, IR-39, IR-44, 1R-45, IR-48, IR-50, IR-51, IR-53, IR-55, IR-65, IR-66, IR-67, IR-68, IR-69, IR-70, and IR-71). The Human Health Risk Assessment (HHRA) portion for soil presents the estimated excess lifetime cancer risk (ELCR) range, site where non-carcinogenic hazard index (HI) exceeds 1, and sites where lead exceeds a concentration of 221 mg/kg based on human exposure to affected soil in each IR site. The residential scenario, reasonable maximum exposure (RME) case is presented on the table because it is more conservative or health protective scenario presented in the HHRA. The site status portion indicates whether a site is recommended for an interim action and whether the site will be evaluated in the feasibility study (FS) based on screening criteria. Groundwater in the A-aquifer, B-aquifer, and the bedrock water-bearing zone at Parcel D is not expected to be used for drinking, industrial, or irrigation purposes in the future because of its high total dissolved solids, salinity, specific conductance, hardness, and sodium content. For all IR sites, however, all VOCs in A-aquifer groundwater are considered COPC for the purpose of evaluating volatilization of VOCs from A-aquifer groundwater through soil and into indoor air in current and future buildings located at Parcel D. In addition, the HHRA evaluated the groundwater in the B-aquifer and bedrock water-bearing zone as a potential drinking water source. Groundwater concentrations in the B-aquifer and bedrock water-bearing zone exceed the secondary maximum contaminant level (MCL) for TDS, chloride, and specific conductance, but are within the California criteria for a potential drinking water source. Therefore, the bedrock water-bearing zone is evaluated in IR-09 and the B-
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/23/2000 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I (the current document) addresses radioactivity associated with the Naval Nuclear Propulsion Program (NNPP).
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/31/2004 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological

Comments:

MAP FINDINGS

EDR ID Number **EPA ID Number** Database(s)

## HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

#### S101272855

Assessment (HRA) as a two volume set. Volume I was published in August 2000 and addressed radioactivity associated with the Naval Nuclear Propulsion Program (NNPP). Volume I concluded that berthing of and work on nuclear-powered ships at HPS resulted in no adverse effect on the human population or the environment. Volume II of the HRA has been prepared pursuant to the Navy?s Installation Restoration (IR) Program, which encompasses the Navy?s Base Realignment and Closure (BRAC) Program, and in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA). Volume II describes the history of operations involving general radioactive material (G-RAM) that, for the purposes of this document, is defined as any radioactive material used by the Navy or Navy contractors not associated with the NNPP.

Completed Area Name: **G** - MULTIPLE SITES Not reported Completed Sub Area Name: Completed Document Type: **Removal Action Completion Report** Completed Date: 10/17/2011 The Remedial Design documents (RDs) specifically identified 11 hotspot locations (3 at Parcel B, 6 at Parcel D-1, and 2 at Parcel G) requiring remediation. The hotspot locations were delineated based on lead or polycyclic aromatic hydrocarbons (PAHs) concentrations that exceeded the remediation goals identified in the RODs. Soil hotspot activities conducted during this remedial action (RA) included (1) collection and analysis of pre-excavation characterization samples to delineate the extent of the soil hot spots; (2) excavation of the delineated hotspot soil location; (3) collection of confirmation samples to verify that the hot spots were removed; (4) additional excavation and confirmation sampling, as required, to complete the removal of soil hot spots; (5) characterization and off-site disposal of the excavated hotspot soil; and (6) backfilling of the hotspot excavations with clean backfill meeting Hunters Point Naval Shipyard (HPNS) criteria for import fill. In total, 9 of the 11 hotspot locations were successfully remediated, as demonstrated by the information presented in the Remedial Action Completion Report (RACR). At total of 569 cubic yards of soil was removed from the nine hot spots and disposed of off -site. The remaining two hotspot locations could not be removed as part of this RA because they are located in an area at HPNS that is currently being used to support other remedial activities. The Navy plans to remediate these hotspot locations at a later date, at which point this RACR will be amended to include the associated completion documentation. The RDs identified 16 soil stockpiles (5 in Parcel D-1 and 11 in Parcel G) to be removed, characterized, and disposed of off -site. In total, 13 of the 16 soil stockpiles were removed as part of previous removal actions implemented at HPNS. The three remaining soil stockpiles (one in Parcel D-1 and two in Parcel G) were removed during this RA, as demonstrated by the information presented in the RACR. Soil stockpile removal activities conducted during this RA included (1) characterization and off-site disposal of the three soil stockpiles; (2) collection of confirmation samples beneath the stockpile locations to verify that all stockpile material was completely removed; (3) additional removal of stockpile material, as required, to complete the removal of the soil stockpiles; and (4) characterization and off-site disposal of the additional soil stockpile material. A total of 249 cubic yards of soil was removed
Database(s)

EDR ID Number EPA ID Number

HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S1012728
	and disposed of off-site.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Supplemental Site Investigation Tech Memo 03/29/2013 The primary objectives of the Soil Vapor Investigation were to (1) refine areas requiring institutional controls (ARIC) based on the potential for soil gas exposure through the vapor intrusion pathway as determined in the Records of Decision (ROD) and (2) determine which parcel areas should be reduced, expanded, or eliminated from current soil gas ARIC designation.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Technical Workplan 07/07/2011 This revision to the SUPRA is a result of the Survey Unit Project Report (SUPR) prototype that was agreed upon by CDPH in August 2010 All SUPR reports dated after August 2010 incoporate the prototype changes, and now the SUPRA has been updated accordingly.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Report 06/21/2011 This monitoring report incorporates revisions made from comments received on the previous semiannual groundwater report (February 2011).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Preliminary Assessment Report 04/15/1994 Previous field investigations, document searches, and studies at HPA have focused primarily on sites considered eligible for funding through the Installation Restoration (IR) program. The Site Assessments were conducted to identify sites potentially contaminated during approximately the past 10 years that were not included in the IR programs in Parcels B, C, D, and E and to make recommendations for additional field activities. Some previously investigated sites were also assessed when new information and/or new areas of the sites were made available or accessible as a result of the Navy's recent building cleanout program or other ongoing activities.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 12/23/2009 Also included as an appendix (Appendix E) to the Community Involvement Plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Monitoring Plan 08/05/2011 Updates the project personnel list and updates the list of analytes	

EDR ID Number Database(s) EPA ID Number

	Final In-Situ Anaerobic Bioremediation Treatability Study Completion Report for RU-C1, Building 253, dated June 8, 2011.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Base / Site Management Plan 06/20/2000 A total of 19 IR sites on Parcel D were reevaluated during the risk management review process. These sites include IR-08, IR-09, IR-16, IR-17, IR-22, IR-32, IR-33, IR-335, IR-34, IR-35, IR-37, IR-38, IR-39, IR-53, IR-55, IR-65, IR-68, IR-69, and IR-70.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Removal Action Completion Report 12/06/2001 Activities were completed at 15 non-VOC soil sites at Parcel D. Nine of the 15 Time-Critical Removal Action (TCRA) sites were excavated. Six sites were determined to require no excavation. The excavated sites are RA 8-1, RA 8-2, RA 8-3, RA 8-4 in IR-08; RA 37-1 and RA 37-2 in IR-37; DM 11260 in IR-53; DM 10676 in IR-55; and M 8866 in IR-55. The non-excavated sites are DM 6864, DM 6965, DM 6967, and DI 7167 in IR-09; and DM 6671 and DM 6771 in IR-37. The TCRA concluded that Contaminants of Potential Concern in soil were present at concentrations above the applicable cleanup goals at nine sites, and were not present in soil at concentrations above cleanup goals at six sites. A total of 1,643 cubic yards of contaminated soil was removed from these nine sites. In addition, the TCRA concluded that 14,500 feet of the steam system lines met the criteria for closure in place, and 2,100 feet of steam system line did not meet the criteria for closure in place and were removed. In addition, 150 feet of fuel line was removed.	М
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Site Summary Report 08/17/2000 The purpose of the radiological sampling was to collect data to (1) determine whether further action is required for Cesium-137 detected in the concrete or soil at Building 364 (Parcel G), and (2)further characterize the level of radioactive contaminants present at the Building 707 concrete pad (Parcel E).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 01/08/2001 The technical memorandum provides the results of the Phase I Groundwater Data Gaps Investigation (GDGI) performed at Hunters Point Shipyard in San Francisco, California. The purpose of the technical memorandum is to document the results from the Phase I GDGI and to provide these results to the BCT such that the BCT can evaluate the Phase sampling and recommend changes to the Phase II sampling, if necessary.	

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Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	Not reported Site Summary Report 05/30/1994 Four utility sites (steam lines, suspected steam lines, storm drains and sanitary sewers, and former transformer locations) and 11 building sites were investigated in Parcel D.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Report 11/18/2011 Final SUPR acceptance will be documented as a part of regulatory acceptance of the Parcel G RACR.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Other Report 10/22/2003 Surveys were conducted in and around 69 buildings in Parcel D to identify the potential for industrial process equipment (IPE) that may contain PCB-impacted oils, damaged asbestos containing materials (ACM), structural materials that may have been contaminated by industrial activities, paint booths, above-ground storage tanks, and other potential items that could pose a health risk. After surveys were completed, samples were collected from IPE items and ACM was removed or encapsulated, any impacted IPE was removed, any paint booths were removed, and equipment sumps, vaults, and trenches were decontaminated. It was explained to DTSC before this waste consolidation project started that it was intended to be a Navy's internal "house keeping" project to collect abandoned or outdated industrial process equipments for disposal purposes. We agreed that this would not be considered as a CERCLA activity. However, if any release of hazardous substances were uncovered during the process, the Navy is to report it to the regulatory agency and incorporate the investigation and cleanup of the release into the ongoing CERCLA program.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Technical Workplan 10/18/2000 It is DTSC's position that the actions proposed are interim measures and that final cleanup is subject to the Record of Decision approval process.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Site Summary Report 03/31/2003 Three primary tasks were conducted in the IR-22 vicinity during Phase III of the GDGI: [1] As part of a basewide effort, groundwater levels were measured at selected Parcel D wells; [2] Tidal influence was evaluated at selected Parcel D wells; [2] Tidal influence was evaluated at selected Parcel D wells; in the vicinity of IR-22; and [3] Groundwater samples for chemical analysis were collected at selected Parcel D A-aquifer wells in the vicinity of IR-22. During Phase III GDGI, no new monitoring wells were installed at Parcel D. With the completion of the Phase III GDGI, groundwater conditions in

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#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855 the IR-22 vicinity are sufficiently characterized to evaluate potential remedial actions in the revised Parcel D FS. Completed Area Name: D Completed Sub Area Name: Not reported Completed Document Type: Site Summary Report Completed Date: 03/08/2002 Comments: The overall objective of the Groundwater Data Gaps Investigation (GDGI) was to fill data gaps for groundwater. The following tasks were completed: [1] Assessed the current condition of existing monitoring wells and made necessary repairs; [2] Measured basewide water levels to determine the potentiometric surface at existing Aand B-aquifer wells; [3] Further characterized the B-aquifer by sampling existing and newly installed wells for analysis of hydrogeological and chemical parameters; and [4] Resampled existing A-aquifer and bedrock water-bearing zone wells for analysis of chemical parameters to confirm the extent of existing remedial units in groundwater. UC-1 Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Technical Workplan Completed Date: 05/29/2008 Comments: This Design Plan describes the scope and approach for removing the storm drains and sanitary sewers from beneath Fisher Street (Parcel UC-2) and Spear Avenue (Parcel UC-1). Completed Area Name: UC-1 Completed Sub Area Name: Not reported Completed Document Type: Operations and Maintenance Plan Completed Date: 05/02/2013 Comments: This operation and maintenance plan (OMP) describes the long-term maintenance and monitoring requirements for the durable cover at Parcels UC-1 and UC-2. This OMP is intended to fulfill the substantive portions of the operations and maintenance (O&M) requirements identified in the applicable or relevant and appropriate requirements for the remedy in the Records of Decision for Parcels UC-1 and UC-2. Completed Area Name: D-1 Completed Sub Area Name: Not reported Completed Document Type: Remedial Action Implementation Workplan Completed Date: 01/22/2014 Comments: The objective of this Work Plan is to implement the selected remedy as established in the 2009 Final Record of Decision for Parcels D-1 and UC-1 (ROD). The selected remedy includes limited removal of chemicals in soil and a durable cover over the entire parcel to break potential exposure pathways. This Work Plan describes the procedures that will be implemented to instal of the durable cover. Completed Area Name: D-1 Completed Sub Area Name: Not reported Completed Document Type: Supplemental Site Investigation Tech Memo Completed Date: 03/29/2013 Comments: The primary objectives of the Soil Vapor Investigation were to (1) refine areas requiring institutional controls (ARIC) based on the potential for soil gas exposure through the vapor intrusion pathway

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UNTERS POINT NAVAL SHIPYA	ARD, PARCEL B (Continued)	S101272855
	as determined in the Records of Decision (ROD) and (2) determine which parcel areas should be reduced, expanded, or eliminated from current soil gas ARIC designation.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Remedial Action Implementation Workplan 12/19/2012 This Remedial Action Work Plan (RAWP) and the proposed implementation discussed have been developed in accordance with the Remedial Design (RD) package. The RD was developed to provide a final soil remedy design which is compliant with the Parcel G Record of Decision. This document describes the implementation of the durable cover component of the approved ROD at Parcel G and developed in the RD, which is the final component of the overall remedial action at Parcel G.	'n
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Remedial Action Completion Report 04/08/2014 This RACR documents the completion of a remedial action (RA) in accordance with the Final Remedial Action Work Plan (RAWP) to address constituents of concern (COCs) in soil at Parcel G, Hunters Point Naval Shipyard. The RA included installation and repair of durable covers, including asphalt covers and building foundations, that provide physical barriers to minimize exposure of humans and wildlife to potential COCs in soil. The RA was implemented between January and July 2013.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	UC-1 Not reported Remedial Action Implementation Workplan 06/07/2012 This Remedial Action Work Plan (RAWP) describes how the durable cove Remedial Action (RA) will be implemented at Parcels UC-1 and UC-2, Hunters Point Naval Shipyard (HPNS), San Francisco, California. The RA is described in detail in the Final Remedial Design Package, Parcels UC-1 and UC-2. The basis and development of the remedial design (RD) were aligned with the remedies selected in the records of decision (RODs) for Parcels UC-1 and UC-2. The remedies selected in the ROD include a durable cover, groundwater monitoring for natural attenuation, soil vapor controls, and institutional controls (ICs). This RAWP only discusses installation of the durable cover. The RA will address chemicals of concern (COCs) in soil and includes installation and restoration of durable covers made of soil and asphaltic concrete (AC) at Parcels UC-1 and UC-2. The durable covers will provide a physical barrier that will prevent exposure of humans and wildlife to COCs in soil.	r
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 10/12/2012 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel D-1 Radiolgical Removal Action Completion Report.	

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

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HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 10/22/2012 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel D-1 Radiolgical Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G Not reported Technical Workplan 06/15/2012 The objective of the investigation is to provide supplemental data on potential soil, soil gas, and groundwater contamination associated with seven former (removed or cleaned and closed in-place) underground storage tanks (USTs), and one former (removed) aboveground storage tank (AST). The findings of the sampling will be used to determine if further action is necessary at the historic Parcel G USTs and ASTs.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G - MULTIPLE SITES Not reported Other Report 07/18/2012 This Technical Memorandum summarizes and evaluates key groundwater analytical results, and recommends revisions to the Basewide Groundwater Monitoring Program (BGMP) related to continued groundwater monitoring in Parcels B, D-1, G, and UC-2. Remedial Action Monitoring Plans (RAMPs) and Remedial Designs (RDs) have been published for these parcels, and the current monitoring program is based on the RAMPs. Other HPNS Parcels (including Parcels C, E, and E-2) have not yet reached the RAMP/RD phase, and investigations are ongoing.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 01/28/2013 Approval of the Final SUPRs will be documented as part of DTSC's review and acceptance of the Parcel D-1 Radiolgical Removal Action Completion Report.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Enforceable Schedule 09/26/2012 Serves as the new comprehensive baseline schedule for the Installtion Restoration Program at HPNS.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Technical Report 10/11/2013 DTSC concurs with CDPH-EMB?s memorandum supporting release for unrestricted use, with respect to radiological issues, at the former South Pier Area.	

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#### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued) S101272855 Completed Area Name: UC-1 Completed Sub Area Name: Not reported Completed Document Type: 5 Year Review Reports 12/10/2013 Completed Date: Comments: The stated purpose of the Five-Year Review is to evaluate the performance of the remedies implemented at Hunters Point Naval Shipyard to verify that they remain protective of human health and the environment. The Five-Year review includes document and data review, site inspections, personnel interviews, regulatory agency comments, and report development. The review is documented in this report that will state whether each remedy is or will be protective, document any deficiencies identified in the review, and recommend actions for improvement if the remedy has not performed as designed. All implemented remedies continue to be protective of human health and the environment while the remaining remedies are expected to be protective of human health and the environment upon completion at Hunters Point Naval Shipyard. Completed Area Name: G - MULTIPLE SITES Completed Sub Area Name: Not reported Completed Document Type: **Technical Report** Completed Date: 09/05/2013 Comments: Based on the historic data as well as the supplemental sampling results collected in the vicinity of each tank, DTSC concurs with the recommendation to grant regulatory closure for the eight CERCLA tanks within Parcel G at Hunters Point Naval Shipyard. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/29/2011 Comments: Completed under RWQCB oversight and provided here for informational purposes. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/29/2012 Comments: Completed under RWQCB oversight and provided here for informational purposes. PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Monitoring Report Completed Date: 06/29/2013 Comments: Completed under RWQCB oversight and provided here for informational purposes. Completed Area Name: UC-1 Completed Sub Area Name: Not reported Completed Document Type: Site Characterization Workplan Completed Date: 10/02/2013 Comments: This addendum describes the activities to be performed during the soil gas investigation in Parcel UC-1 at Hunters Point Naval Shipyard (HPNS). The 2009 Record of Decision states that soil gas surveys will be conducted for the following purposes, which are the objectives of this soil gas investigation: [1] To evaluate potential vapor

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	intrusion risks; [2] To identify VOCs for which risk-based numeric action levels in soil gas would be established (based on a cumulative risk of 10-6); [3] To identify where the initial area requiring institutional controls (ARIC) for VOCs would be retained and where it would be released; and [4] To evaluate the need for additional remedial action in order to remove ARIC.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-1 Not reported Remedial Action Completion Report 04/11/2014 In 2010, the Navy implemented a remedial action (RA) to remove soil hot spots and stockpiles in Parcels B, D-1, and G at Hunters Point Naval Shipyard, San Francisco, California. The 2010 RA activities are documented in a Final Remedial Action Completion Report (RACR). At the time that the original hotpot and stockpile RA was being performed, two hotspot locations in Parcel D-1 (BD29 and BE26) were inaccessible because both were located within an active radiological screening yard. Active operation of the radiological screening yard in Parcel D-1 was temporarily suspended in 2012, thus allowing for the hotspot removal to be completed. This RACR Addendum documents to successful removal of the last two soil hotspot locations in Parcel D-1 (BD29 and BE26) implemented in 2013.	ne
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D Not reported Feasibility Study Report 02/15/2008 Letter identified DTSC's preferred alternatives and stated soil cover designs needed to be vetted and approved during Remedial Design. Also, groundwater monitoring needs more discussion. DTSC supports continued monitoring of shoreline. In general, DTSC supports conclusions and recommendations in the final revised FS. Recommend moving ahead to the proposed plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	G IR-9 Removal Action Completion Report 06/18/1999 Pickling and Plate Yard Removal was completed on March 30, 1996. Contamination at the Pickling and Plate Yard was located at the surface and high in concentration. The site was an uncovered and exposed portion of the shipyard and was routinely exposed to winter storms and strong winds in the summer. The site is surrounded by buildings leased to commercial tenants. At the IR-9 Pickling and Plate Yard, zinc chromate residue within a temporary structure were removed and disposed of offsite along with the pickling tank and its content, containment vault contents, and the plate drying and storage racks. Contaminated groundwater and soil in the area will be addressed in the Parcel D RIFS process. Volume trenched, stabilized or disposed: Approximately 47,000 gallons of liquid and sludge and approximately 20 tons of debris and plating storage racks. Approximate cost and funding source: \$3,000,000; DSMOA/BRAC	
Completed Area Name: Completed Sub Area Name: Completed Document Type:	D Not reported Removal Action Completion Report	

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Completed Date: Comments:	11/23/2005 Approximately 1,759 cubic yards of PAH-impacted soil was removed from De Minimuis Area BK32 (DM BK32) and disposed offsite. A 35-foot section of steamline was removed and the asbestos-containing insulation around the pipe was properly disposed. The final footprint of the excavation was about 35 feet wide, 110 feet long, and 10 feet deep. Excavation was backfilled with clean soil. Approximately 7,924 tons (67 tons of RCRA hazardous waste, 6,282 tons of Class II hazardous waste, and 1,575 tons of California hazardous waste ) from existing soil and aggregate stockpiles were also removed and disposed offsite.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Federal Facility Agreement 10/29/1991 Federal Facilities Agreement signed by the United States Navy, DTSC and US EPA.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-2 Not reported Correspondence 04/20/2012 Survey data of Parcel D-2 conducted at Hunters Point Naval Shipyard by the staff of Radiologic Health Branch of the California Department of Public Health on August 23-25, 2010 and November 1, 2010.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	D-2 Not reported Certification 05/01/2012 DTSC has determined that based on all the currently available information, all appropriate response actions have been completed, all acceptable engineering practices were implemented, and that no further removal/remedial action is necessary for Parcel D-2.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Correspondence 06/13/2012 Summary of independent regulatory testing conducted by DTSC/CDPH an USEPA.	d
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Due Date: Future Due Date: Future Area Name: Future Area Name: Future Sub Area Name:	UC-1 Not reported 5 Year Review Reports 2018 PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 2016 UC-1 Not reported Operations and Maintenance Report 2015 G Not reported	

Database(s)

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### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: Schedule Area Name: Schedule Sub Area Name: **Operations and Maintenance Report** 2014 G Not reported **Operations and Maintenance Report** 2015 D-1 Not reported Finding of Suitability to Transfer 2015 D-1 Not reported Land Use Restriction 2016 D-1 Not reported Certification 2016 G Not reported Certification 2014 UC-1 Not reported Land Use Restriction 2015 G Not reported Land Use Restriction 2014 D-1 Not reported Removal Action Completion Report 2014 D-1 Not reported Remedial Action Completion Report 2016 UC-1 Not reported Remedial Action Completion Report 2014 G Not reported **Operations and Maintenance Plan** 2014 G Not reported Finding of Suitability to Transfer 2014 UC-1 Not reported Certification 06/17/2014 Not reported PROJECT WIDE Not reported

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	MAP FINDINGS
e	EDR ID Number Database(s) EPA ID Number
JNTERS POINT NAVAL SI	HIPYARD, PARCEL B (Continued) S101272855
Schedule Document Ty	
Schedule Due Date:	05/14/2014
Schedule Revised Date	
Schedule Area Name:	UC-1
Schedule Sub Area Nan Schedule Document Ty	•
Schedule Due Date:	05/15/2014
Schedule Revised Date	
Facility ID:	38440007
Status:	Active
Status Date:	07/21/1999
Site Code:	200050
Site Type:	Federal Superfund
Site Type Detailed:	Closed Base
Acres:	446
NPL: Regulatory Agencies:	YES SMBRP, RWQCB 2 - San Francisco Bay, US EPA
Lead Agency:	SMBRP, US EPA
Program Manager:	Ryan Miya
Supervisor:	Denise Tsuji
Division Branch:	Cleanup Berkeley
Assembly:	17
Senate:	11
Special Program:	Navy
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding: Latitude:	BRAC 91 37.71888
Longitude:	-122.3741
APN:	NONE SPECIFIED
Past Use:	DRY DOCKS, SHIPYARD - SHIP BUILDING/REPAIR, DRY DOCKS, LANDFILL -
	CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE, SAND
	BLASTING, SHIPYARD - SHIP BUILDING/REPAIR
Potential COC:	Lead Mercury (elemental Polychlorinated biphenyls (PCBs Radioactive
	Isotopes Polychlorinated biphenyls (PCBs Polynuclear aromatic
Confirmed COO:	hydrocarbons (PAHs Radioactive Isotopes
Confirmed COC:	30020-NO Polychlorinated biphenyls (PCBs Lead Mercury (elemental Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons
	(PAHs 30020-NO
Potential Description:	SED, SURFW, SED, SURFW
Alias Name:	HUNTERS POINT NAVAL SHIPYARD, PARCEL C
Alias Type:	Alternate Name
Alias Name:	110033615023
Alias Type:	EPA (FRS #)
Alias Name:	200050
Alias Type:	Project Code (Site Code)
Alias Name: Alias Type:	38440002 Envirostor ID Number
Alias Type: Alias Name:	38440003
Alias Type:	Envirostor ID Number
Alias Name:	38440004
Alias Type:	Envirostor ID Number
Alias Name:	38440005
Alias Type:	Envirostor ID Number
Alias Name:	38440007
Alias Type:	Envirostor ID Number

Envirostor ID Number

Map ID

Direction Distance

Elevation

Alias Type:

Database(s)

EDR ID Number EPA ID Number

### HUNTERS POINT NAVAL SHIPYARD, PARCEL B (Continued)

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Completed Info: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Technical Report 05/03/2013 The primary goal of this investigation was to collect and analyze physical and radiological data prior to the creation of a radiological addendum to the Parcel F Feasibility Study in support of the development and evaluation of remedial alternatives for offshore sediments at Parcel F. To meet project objectives, a two-phase approach was taken. The Phase 1 Screening Survey of Parcel F was performed in 2009. The Phase 2 DGI was subsequently split into two portions u the first portion of the Phase 2 DGI (Phase 2a) was conducted in the fall of 2011; the second portion of the Phase 2 DGI (Phase 2b) is scheduled to take place in 2012. This technical memorandum presents results from the 2009 Phase 1 Screening Survey and the 2011 Phase 2a DGI that are specifically related to the Parcel F Submarine Area, Parcel B Revetment Wall Areas, and San Francisco Bay Reference Sites.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 05/26/2009 Letter serves as the Navy's notice of intent to dissolve the Hunters Point Naval Shipyard Restoration Advisory Board.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 09/02/2009 RAB Dissolution Public Notice and Comment Period Announcement sent via e-mail.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Site Characterization Workplan 08/31/2011 Specific objectives of the Parcel F Phase 2 data gap investigation are as follows: (1) Use two primary lines of evidence (measurements and modeling) to identify areas of surface sediments that pose an unacceptable risk to human health and/or the environment. Measurements will be made of the radionuclide activity in sediments and in clams (Macoma nasuta). Modeling will be performed to determine the potential for impacts to biota as well as to evaluate risks to human receptors based on a conceptual site model for Parcel F. (2) Collect data at locations that span the range of radionuclide activity levels and, if possible, develop exposure-response relationships and protective sediment radionuclide activity levels that can be compared with subsurface radionuclide activity levels in order to identify potential areas of concern for subsurface sediments. (3) Collect data regarding sediment characteristics and sediment dynamics to support the assessment of risk presented by subsurface sediments and the evaluation of remedial alternatives for sediments with levels of radiological activity that pose unacceptable risk to human health and/or the environment.

Database(s)

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HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Technical Workplan 01/24/2011 This Pier Demolition Work Plan presents the basis for the deconstruction and removal of all potentially radiological and dilapidated shoreline wooden structures including: Berth 61 and 64, Piers B and C, the wood supported quay wall adjacent to Pier C, and Wharf No. 2 between Dry Docks 2 and 3 at Hunters Point Shipyard.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Technical Workplan 07/14/2010 DTSC did not review and/or comment on this document, which is provided here for informational purposes.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 06/03/1996 The basewide environmental baseline survey (EBS) report prepared for Hunters Point Annex (HPA), San Francisco, California, summarizes environmental information gathered by PRC Environmental Management, Inc. (PRC), for the Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Engineering Field Activity West (EFA WEST). This document is based on existing environmental information gathered during the period of May to December 1995 related to the storage, release, treatment, or disposal of hazardous substances or petroleum products at HPA.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 06/03/2011 The Community Involvement Plan presents the Navy's plans to inform and involve the community in the environmental cleanup program moving forward based on feedback obtained from the Hunters Point Shipyard community about past communication and community involvement progra activities.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Removal Action Completion Report 08/08/2012 This Removal Action Completion Summary Report describes the actions that were conducted for survey and removal of wooden pier structures that were deemed potentially radiologically-impacted at designated piers and wharfs in Parcel F at Hunters Point Naval Shipyard (HPNS), San Francisco, California. This project addressed Submarine Piers B and C, the wooden portion of the submarine quay wall, the wooden remnants of Berths 61 and 64, and the wooden portion of Wharf No. 2. Field activities also included the removal of above-pier structures that potentially contained hazardous materials. The concrete cantilevered quay wall was left in place between Pier C and Berth 64. The objective of this project was to remove derelict over-water structures that were potentially radiologically impacted and	

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TERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)	S101272855
	presented hazards to navigation in the San Francisco Bay (Bay). The required removal action was comprised of pier and wharf removal, radiological screening, waste segregation, and waste characterization activities.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/23/2000 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I (the current document) addresses radioactivity associated with the Naval Nuclear Propulsion Program (NNPP).	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Site Summary Report 08/31/2004 This document presents a comprehensive history of radiological operations conducted by the U.S. Department of the Navy (Navy) and Navy contractors at the Hunters Point Shipyard (HPS), San Francisco, California. The Navy prepared the HPS Historical Radiological Assessment (HRA) as a two volume set. Volume I was published in August 2000 and addressed radioactivity associated with the Naval Nuclear Propulsion Program (NNPP). Volume I concluded that berthing of and work on nuclear-powered ships at HPS resulted in no adverse effect on the human population or the environment. Volume II of the HRA has been prepared pursuant to the Navy?s Installation Restoration (IR) Program, which encompasses the Navy?s Base Realignment and Closure (BRAC) Program, and in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 19 (SARA). Volume II describes the history of operations involving general radioactive material (G-RAM) that, for the purposes of this document, is defined as any radioactive material used by the Navy or Navy contractors not associated with the NNPP.	86
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Fieldwork 08/31/2011 Not reported	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 12/23/2009 Also included as an appendix (Appendix E) to the Community Involvement Plan.	
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:	PARCEL-F Not reported Technical Report 06/12/2001	

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Comments:	Sediment dynamics were evaluated to characterize the fate and transport of sediment-bound contaminants, identify areas of sediment deposition and erosion, estimate rates of sediment accumulation, and predict the likelihood of subsurface sediment remobilization under various weather conditions. This memorandum presents the results of site-specific hydrodynamic data collection and analysis completed in early 2001. Complete analysis of the sediment dynamic results will be provided in the Parcel F Validation Study Report.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Technical Workplan 04/23/2001 The primary objective of the validation study is to more clearly define the extent of sediments that pose an unacceptable risk to the environment and that require evaluation in a Feasibility Study of remedial options.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Technical Report 12/09/2013 This Technical Memorandum documents the results of the Phase 2b sampling conducted for the radiological data gap investigation (DGI) of offshore sediments (Parcel F) at Hunters Point Naval Shipyard (HPNS) in San Francisco, California. The Phase 2 DGI was split into two portions. The first portion of the Phase 2 DGI (Phase 2a sampling) was designed to focus on the Parcel F Submarine Area, th Parcel B Revetment Wall Areas, and six San Francisco Bay reference sites (Bay Farm, Paradise Cove, Alameda Buoy, Alcatraz, Red Rock, Oyster Point) and was completed in October 2011. The second portic of the Phase 2 DGI (Phase 2b) was designed to cover the remaining Parcel F areas that were not covered in Phase 2a, including portions of the Berths North Area, Berths South Area, South Basin Area, and Submarine Area. Phase 2b also included confirmation sampling at additional locations in the South Basin Experimental Ship Shielding Area to delineate any potential cobalt-60 contamination as well as in the area of former Piers B and C (removed in 2011) to document the absence of radiological contamination. Phase 2b also includes re-analysis of archived Phase 1 samples that were found to contain radium-226 concentrations exceeding the Project Action Limit for the purposes of verifying these exceedances and determining the need for potential step-out sampling to delineate these exceedances. Phase 2 sampling was completed in February 2013. No sediment radionuclide activity levels from the Phase 2b data were found to be toxic above background under either the intertidal or subtidal exposure scenarios. Results of the Phase 2b claam tissue analysis indicated no evidence of bioaccumulation at Parcel F for any of the six radionuclides of concern. Finally, while the geochronology data are uncertain, the overall sediment stability data for Phase 2b indicate that the level of stability of site sediments is high enough that they are not likely to be eroded based on energies previously
Completed Area Name: Completed Sub Area Name:	PROJECT WIDE Not reported

# Completed Document Type: Enforceable Schedule

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HUNTERS POINT NAVAL SHIPY	ARD, PARCEL B (Continued)
Completed Date: Comments:	09/26/2012 Serves as the new comprehensive baseline schedule for the Installtion Restoration Program at HPNS.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Feasibility Study Report 05/27/2008 No further comments on final FS. Radiological addendum must be completed prior to draft proposed plan.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PARCEL-F Not reported Other Report 10/05/2005 DTSC has no further comments on report
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Federal Facility Agreement 10/29/1991 Federal Facilities Agreement signed by the United States Navy, DTSC and US EPA.
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Future Due Date: Future Sub Area Name: Future Due Date: Future Due Date: Future Due Date: Future Sub Area Name: Future Sub Area Name: Future Sub Area Name: Future Due Date: Future Due Date: Future Due Date: Future Due Date: Future Due Date: Future Due Date: Future Sub Area Name: Future Sub Area Name: Future Sub Area Name: Future Due Date: Future Due Date: Future Due Date: Future Due Date: Future Due Date: Future Due Date: Future Sub Area Name: Future Sub Area Name: Future Sub Area Name: Future Due Date: Future Due Date: Future Sub Area Name: Future Sub Area Name:	PROJECT WIDE Not reported Public Participation Plan / Community Relations Plan 2016 PARCEL-F Not reported Certification 2018 PARCEL-F Not reported Remedial Action Completion Report 2018 PARCEL-F Not reported Design/Implementation Workplan 2016 PARCEL-F Not reported Proposed Plan 2014 PARCEL-F Not reported Record of Decision 2015 PARCEL-F Not reported Record of Decision 2015 PARCEL-F Not reported Record of Decision 2015 PARCEL-F Not reported Feasibility Study Report 2014 PARCEL-F Not reported Feasibility Study Report 2014
Future Document Type: Future Due Date: Schedule Area Name:	Finding of Suitability to Transfer 2018 PROJECT WIDE

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	Schedule Sub Area Nam			S101272855
	Schedule Document Typ Schedule Due Date: Schedule Revised Date:	05/14/2014		
25 SW 1/2-1 0.968 mi. 5111 ft.	MOBILE DEBRIS BOX SERV 1301V YOSEMITE AVENUE SAN FRANCISCO, CA 94124		ENVIROSTOR	S103953942 N/A
Relative: Lower	ENVIROSTOR: Facility ID: Status:	38990012		
Actual: 8 ft.	Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name:	Inactive - Needs Evaluation 07/16/2009 Not reported Evaluation Evaluation 0.5 NO SMBRP SMBRP Not reported Denise Tsuji Cleanup Berkeley 17 11 EPA - PASI NO NONE SPECIFIED Not reported 37.72357 -122.3866 4846001 LDF Lead TPH-MOTOR OIL Chromium VI TPH-MOTOR OIL Lead SED, SOIL BUCKEYE PROPERTIES Alternate Name MOBILE DEBRIS BOX SERVICE		
	Alias Type: Alias Name: Alias Type: Alias Name: Alias Type:	Alternate Name 4846001 APN 38990012 Envirostor ID Number		
	Completed Info: Completed Area Name: Completed Document Ty Completed Date: Comments: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date:	•		

Database(s)

EDR ID Number EPA ID Number

S103953942

### MOBILE DEBRIS BOX SERVICE (Continued)

Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 8 records.		ORPHAN SUMMARY		
City	EDR ID	Site Name	Site Address	Zip Database(s)
SAN FRANCISCO	S107591769	S107591769 BAY VIEW GREEN WASTE MGT. COMPANY	1300 CARROL WAY	SWF/LF
SAN FRANCISCO	S109285368	S109285368 COMMERCIAL (STREET)	1200 EVANS AND KIETH STREET	94124 LUST
SAN FRANCISCO	S101592211 VACANT	VACANT	2225 INGALLS STREET	94124 LUST, CA FID UST, SWEEPS UST,
				LOS ANGELES CO. HMS
SAN FRANCISCO	1003878799	1003878799 CANDLESTICK PT STATE REC AREA	S OF HUNTERS PT	94124 CERC-NFRAP
SAN FRANCISCO	S114732584	S114732584 SF PIER 98 INDIA BASIN	PIER 98	RGA LF
SAN FRANCISCO	S109689876	SF PIER 98 INDIA BASIN	PIER 98	SWF/LF
SAN FRANCISCO	1014678447	1014678447 SF PIER 98 INDIA BASIN	PIER 98	FINDS
SAN FRANCISCO	1003878518	003878518 ISLAIS CREEK AREA	E SIDE OF BAY	94124 CERC-NFRAP

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

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

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

#### NPL: National Priority List

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

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 01/28/2014 Number of Days to Update: 78 Source: EPA Telephone: N/A Last EDR Contact: 07/08/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 7 Telephone: 913-551-7247 EPA Region 8

Telephone: 214-655-6659

EPA Region 6

Telephone: 303-312-6774 EPA Region 9

Telephone: 415-947-4246

### Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 01/28/2014 Number of Days to Update: 78

Source: EPA Telephone: N/A Last EDR Contact: 07/08/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Quarterly

### NPL LIENS: Federal Superfund Liens

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

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

### Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 01/28/2014 Number of Days to Update: 78 Source: EPA Telephone: N/A Last EDR Contact: 07/08/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Quarterly

### Federal CERCLIS list

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

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014 Number of Days to Update: 94 Source: EPA Telephone: 703-412-9810 Last EDR Contact: 05/29/2014 Next Scheduled EDR Contact: 09/08/2014 Data Release Frequency: Quarterly

### FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 07/08/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 45 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 07/08/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Varies

### Federal CERCLIS NFRAP site List

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014 Number of Days to Update: 94 Source: EPA Telephone: 703-412-9810 Last EDR Contact: 05/29/2014 Next Scheduled EDR Contact: 09/08/2014 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/11/2014 Date Data Arrived at EDR: 03/13/2014 Date Made Active in Reports: 04/09/2014 Number of Days to Update: 27 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 07/02/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/11/2014 Date Data Arrived at EDR: 03/13/2014 Date Made Active in Reports: 04/09/2014 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

### Federal RCRA generators list

### RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/11/2014 Date Data Arrived at EDR: 03/13/2014 Date Made Active in Reports: 04/09/2014 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

### RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/11/2014 Date Data Arrived at EDR: 03/13/2014 Date Made Active in Reports: 04/09/2014 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/11/2014 Date Data Arrived at EDR: 03/13/2014 Date Made Active in Reports: 04/09/2014 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Varies

### Federal institutional controls / engineering controls registries

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/19/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 703-603-0695
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/05/2014
Number of Days to Update: 116	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 03/19/2014 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 07/15/2014 Number of Days to Update: 116 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 06/05/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 18 Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/14/2014 Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Varies

### Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/30/2013 Date Data Arrived at EDR: 10/01/2013 Date Made Active in Reports: 12/06/2013 Number of Days to Update: 66 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 07/03/2014 Next Scheduled EDR Contact: 07/14/2014 Data Release Frequency: Annually

### State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 06/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 08/06/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 11/17/2014
	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.

Date of Government Version: 06/05/2014 Date Data Arrived at EDR: 06/06/2014 Date Made Active in Reports: 07/09/2014 Number of Days to Update: 33 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/06/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Quarterly

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

### SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/19/2014 Date Data Arrived at EDR: 05/20/2014 Date Made Active in Reports: 05/22/2014 Number of Days to Update: 2 Source: Department of Resources Recycling and Recovery Telephone: 916-341-6320 Last EDR Contact: 08/18/2014 Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Quarterly

### State and tribal leaking storage tank lists

LUST: Geotracker's Leaking Underground Fuel Tank Report

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

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 22 Source: State Water Resources Control Board Telephone: see region list Last EDR Contact: 07/31/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Quarterly

### LUST REG 1: Active Toxic Site Investigation

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

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

### LUST 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: 03/01/2001Source: California Regional Water Quality Control Board San Diego Region (9)Date Data Arrived at EDR: 04/23/2001Telephone: 858-637-5595Date Made Active in Reports: 05/21/2001Last EDR Contact: 09/26/2011Number of Days to Update: 28Next Scheduled EDR Contact: 01/09/2012Data Release Frequency: No Update Planned

Cal	EG 8: Leaking Underground Storage Tanks lifornia Regional Water Quality Control Board he State Water Resources Control Board's I	d Santa Ana Region (8). For more current information, please refer
Dat	te of Government Version: 02/14/2005 te Data Arrived at EDR: 02/15/2005 te Made Active in Reports: 03/28/2005 mber of Days to Update: 41	Source: California Regional Water Quality Control Board Santa Ana Region (8) Telephone: 909-782-4496 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Varies
Lea	EG 2: Fuel Leak List aking Underground Storage Tank locations. / ıra, Solano, Sonoma counties.	Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa
Dat	te of Government Version: 09/30/2004 te Data Arrived at EDR: 10/20/2004 te Made Active in Reports: 11/19/2004 mber 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
	EG 3: Leaking Underground Storage Tank E aking Underground Storage Tank locations.	Database Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.
Dat Dat	te of Government Version: 05/19/2003 te Data Arrived at EDR: 05/19/2003 te Made Active in Reports: 06/02/2003 mber of Days to Update: 14	Source: California Regional Water Quality Control Board Central Coast Region (3) Telephone: 805-542-4786 Last EDR Contact: 07/18/2011 Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: No Update Planned
Los	EG 4: Underground Storage Tank Leak List Angeles, Ventura counties. For more curre ard's LUST database.	nt information, please refer to the State Water Resources Control
Dat	te of Government Version: 09/07/2004 te Data Arrived at EDR: 09/07/2004 te Made Active in Reports: 10/12/2004 mber of Days to Update: 35	Source: California Regional Water Quality Control Board Los Angeles Region (4) Telephone: 213-576-6710 Last EDR Contact: 09/06/2011 Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned
Lea Doi	rado, Fresno, Glenn, Kern, Kings, Lake, Las	Database Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El ssen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, anislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.
Dat	te of Government Version: 07/01/2008 te Data Arrived at EDR: 07/22/2008 te Made Active in Reports: 07/31/2008 mber of Days to Update: 9	Source: California Regional Water Quality Control Board Central Valley Region (5) Telephone: 916-464-4834 Last EDR Contact: 07/01/2011 Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: No Update Planned
	C 6I · Looking Underground Storage Tank	Case Listing

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: 09/09/2003Source: California RegionaDate Data Arrived at EDR: 09/10/2003Telephone: 530-542-5572Date Made Active in Reports: 10/07/2003Last EDR Contact: 09/12/2Number of Days to Update: 27Next Scheduled EDR ContactData Release Frequency: IData Release Frequency: I	011 act: 12/26/2011
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LUST REG 7: Leaking Underground Storage Tank Leaking Underground Storage Tank locations	: Case Listing 5. 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
LUST REG 6V: Leaking Underground Storage Tar Leaking Underground Storage Tank locations	nk Case Listing 5. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.
Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005 Number of Days to Update: 22	Source: California Regional Water Quality Control Board Victorville Branch Office (6) Telephone: 760-241-7365 Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned
SLIC: Statewide SLIC Cases The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	leanup) program is designed to protect and restore water quality
Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/25/2014 Number of Days to Update: 25	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 07/31/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Varies
SLIC REG 1: Active Toxic Site Investigations The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	leanup) program is designed to protect and restore water quality
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 & Cleanu The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	p Cost Recovery Listing leanup) program is designed to protect and restore water quality
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 & Cleanu The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	p Cost Recovery Listing leanup) program is designed to protect and restore water quality
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 & Cleanu The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges	p Cost Recovery Listing leanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date D Date M	f Government Version: 11/17/2004 Data Arrived at EDR: 11/18/2004 Made Active in Reports: 01/04/2005 er 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
The SL	<ul> <li>Spills, Leaks, Investigation &amp; Cleanup IC (Spills, Leaks, Investigations and Cle pills, leaks, and similar discharges.</li> </ul>	Cost Recovery Listing eanup) program is designed to protect and restore water quality
Date D Date M	f Government Version: 04/01/2005 Data Arrived at EDR: 04/05/2005 Made Active in Reports: 04/21/2005 er 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
The SL	V: Spills, Leaks, Investigation & Cleanu IC (Spills, Leaks, Investigations and Cle pills, leaks, and similar discharges.	up Cost Recovery Listing eanup) program is designed to protect and restore water quality
Date D Date M	f Government Version: 05/24/2005 Data Arrived at EDR: 05/25/2005 Made Active in Reports: 06/16/2005 er 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
The SL	6L: SLIC Sites LIC (Spills, Leaks, Investigations and Cle pills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality
Date D Date M	f Government Version: 09/07/2004 Data Arrived at EDR: 09/07/2004 Made Active in Reports: 10/12/2004 er 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
		eanup) program is designed to protect and restore water quality
Date D Date N	f Government Version: 11/24/2004 Data Arrived at EDR: 11/29/2004 Made Active in Reports: 01/04/2005 er 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
The SL	B: Spills, Leaks, Investigation & Cleanup LIC (Spills, Leaks, Investigations and Cle pills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality
Date D Date M	f Government Version: 04/03/2008 Data Arrived at EDR: 04/03/2008 Iade Active in Reports: 04/14/2008 er 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

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

	Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007 Number of Days to Update: 17	Source: California Regional Water Quality Control Board San Diego Region (9) Telephone: 858-467-2980 Last EDR Contact: 08/08/2011 Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: Annually
	INDIAN LUST R7: Leaking Underground Storage LUSTs on Indian land in Iowa, Kansas, and N	
	Date of Government Version: 04/28/2014 Date Data Arrived at EDR: 05/01/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 47	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/28/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies
	INDIAN LUST R8: Leaking Underground Storage - LUSTs on Indian land in Colorado, Montana,	Tanks on Indian Land North Dakota, South Dakota, Utah and Wyoming.
	Date of Government Version: 08/13/2014 Date Data Arrived at EDR: 08/15/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 7	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly
INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada		
	Date of Government Version: 03/01/2013 Date Data Arrived at EDR: 03/01/2013 Date Made Active in Reports: 04/12/2013 Number of Days to Update: 42	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly
INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.		
	Date of Government Version: 05/20/2014 Date Data Arrived at EDR: 06/10/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 73	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/28/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly
INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.		
	Date of Government Version: 08/04/2014 Date Data Arrived at EDR: 08/05/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 17	Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 04/28/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies
	INDIAN LUST R1: Leaking Underground Storage A listing of leaking underground storage tank	
	Date of Government Version: 02/01/2013 Date Data Arrived at EDR: 05/01/2013 Date Made Active in Reports: 11/01/2013 Number of Days to Update: 184	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/01/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.		
	Date of Government Version: 05/14/2014 Date Data Arrived at EDR: 05/15/2014 Date Made Active in Reports: 07/15/2014 Number of Days to Update: 61	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/20/2014 Data Release Frequency: Varies
INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.		
	Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 10	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 04/22/2014 Next Scheduled EDR Contact: 08/11/2014 Data Release Frequency: Semi-Annually
	State and tribal registered storage tank lists	
	UST: Active UST Facilities Active UST facilities gathered from the local re	gulatory agencies
	Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/20/2014 Number of Days to Update: 20	Source: SWRCB Telephone: 916-341-5851 Last EDR Contact: 07/31/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Semi-Annually
AST: Aboveground Petroleum Storage Tank Facilities A listing of aboveground storage tank petroleum storage tank locations.		
	Date of Government Version: 08/01/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/01/2009 Number of Days to Update: 21	Source: California Environmental Protection Agency Telephone: 916-327-5092 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Quarterly
INDIAN UST R10: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).		
	Date of Government Version: 05/20/2014 Date Data Arrived at EDR: 06/10/2014 Date Made Active in Reports: 08/15/2014 Number of Days to Update: 66	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly
INDIAN UST R9: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian Iand in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).		database provides information about underground storage tanks on Indian
	Date of Government Version: 08/14/2014 Date Data Arrived at EDR: 08/15/2014	Source: EPA Region 9 Telephone: 415-972-3368

Date Made Active in Reports: 08/22/2014 Number of Days to Update: 7

Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 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: 08/13/2014 Date Data Arrived at EDR: 08/15/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 7 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 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: 05/28/2014SourceDate Data Arrived at EDR: 05/01/2014TelepDate Made Active in Reports: 06/17/2014Last BNumber of Days to Update: 47Next

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/28/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

INDIAN 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: 07/25/2014Source: EPA Region 6Date Data Arrived at EDR: 07/28/2014Telephone: 214-665-7591Date Made Active in Reports: 08/22/2014Last EDR Contact: 07/22/2014Number of Days to Update: 25Next Scheduled EDR Contact: 11/10/2014Data 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: 08/04/2014 Date Data Arrived at EDR: 08/05/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 17 Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 04/28/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 10 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/22/2014 Next Scheduled EDR Contact: 08/11/2014 Data Release Frequency: Semi-Annually

### INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/01/2013 Date Data Arrived at EDR: 05/01/2013 Date Made Active in Reports: 01/27/2014 Number of Days to Update: 271 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/01/2014 Next Scheduled EDR Contact: 11/10/2014 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 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010 Number of Days to Update: 55

Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 07/08/2014 Next Scheduled EDR Contact: 10/27/2014 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: 06/05/2014 Date Data Arrived at EDR: 06/06/2014 Date Made Active in Reports: 07/09/2014 Number of Days to Update: 33

Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/06/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 05/30/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 07/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 08/15/2014	Last EDR Contact: 07/01/2014
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009 Next Scheduled EDR Contact: 07/20/2009 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: 07/01/2014 Date Data Arrived at EDR: 07/03/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 25

Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 07/03/2014 Next Scheduled EDR Contact: 10/06/2014 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

	DDI: 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 25 Subtitle D Criteria.	
	Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39	Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern County and northern Imperial County, California.		Torres Martinez Indian Reservation located in eastern Riverside
	Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 137	Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/25/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: No Update Planned
	SWRCY: Recycler Database A listing of recycling facilities in California.	
	Date of Government Version: 06/16/2014 Date Data Arrived at EDR: 06/17/2014 Date Made Active in Reports: 07/11/2014 Number of Days to Update: 24	Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 06/17/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Quarterly
	HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.	I
	Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 02/20/2014 Date Made Active in Reports: 03/27/2014 Number of Days to Update: 35	Source: Integrated Waste Management Board Telephone: 916-341-6422 Last EDR Contact: 08/14/2014 Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Varies
	INDIAN ODI: Report on the Status of Open Dump Location of open dumps on Indian land.	s on Indian Lands
	Date of Covernment Version: 12/31/1008	Source: Environmental Protection Agency

Date of Government Version: 12/31/1998Source: Environmental Protection AgencyDate Data Arrived at EDR: 12/03/2007Telephone: 703-308-8245Date Made Active in Reports: 01/24/2008Last EDR Contact: 08/01/2014Number of Days to Update: 52Next Scheduled EDR Contact: 11/17/2014Data Release Frequency: Varies

### WMUDS/SWAT: Waste Management Unit Database

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

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000 Number of Days to Update: 30 Source: State Water Resources Control Board Telephone: 916-227-4448 Last EDR Contact: 08/07/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: No Update Planned

### Local Lists of Hazardous waste / Contaminated Sites

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/28/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/20/2014	Telephone: 202-307-1000
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/04/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/15/2014
	Data Release Frequency: Quarterly

### HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005 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: 06/05/2014 Date Data Arrived at EDR: 06/06/2014 Date Made Active in Reports: 07/09/2014 Number of Days to Update: 33

Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/06/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Quarterly

### TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/28/2014 Date Made Active in Reports: 03/20/2014 Number of Days to Update: 20

Source: Department of Toxic Substances Control Telephone: 916-255-6504 Last EDR Contact: 07/14/2014 Next Scheduled EDR Contact: 10/27/2014 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: 05/28/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/20/2014	Telephone: 202-307-1000
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/04/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/15/2014
	Data Release Frequency: No Update Planned

### Local Lists of Registered Storage Tanks

#### CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	S
Date Data Arrived at EDR: 09/23/2009	Te
Date Made Active in Reports: 10/01/2009	La
Number of Days to Update: 8	N

Source: Department of Public Health Telephone: 707-463-4466 Last EDR Contact: 06/02/2014 Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: Annually

#### HIST UST: Hazardous Substance Storage Container Database

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

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

### 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.

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

### 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: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014 Number of Days to Update: 37

Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

LIENS: Environmental Liens Listing

Date

Date Date Num

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

e of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
e Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
e Made Active in Reports: 05/19/2014	Last EDR Contact: 06/09/2014
ber of Days to Update: 13	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

### DEED: Deed Restriction Listing

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

Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/09/2014 Number of Days to Update: 28

Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 06/11/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

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

Date of Government Version: 03/31/2014	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/01/2014	Telephone: 202-366-4555
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 07/01/2014
Number of Days to Update: 105	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Annually

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

Date of Government Version: 02/04/2014
Date Data Arrived at EDR: 04/29/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 10

Source: Office of Emergency Services Telephone: 916-845-8400 Last EDR Contact: 07/28/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

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

Date of Government Version: 07/30/2014	Source: State Water Qualilty Control Board
Date Data Arrived at EDR: 07/31/2014	Telephone: 866-480-1028
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/31/2014
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/29/2014
	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: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/25/2014 Number of Days to Update: 25 Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 07/31/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Quarterly

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators

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

Date of Government Version: 03/11/2014 Date Data Arrived at EDR: 03/13/2014 Date Made Active in Reports: 04/09/2014 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012 Number of Days to Update: 42 Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595 Last EDR Contact: 08/06/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS Telephone: 888-275-8747 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.
Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 02/28/2014 Date Made Active in Reports: 04/24/2014 Number of Days to Update: 55 Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 06/04/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2013	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/24/2014	Telephone: Varies
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 06/30/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 06/10/2014
Number of Days to Update: 74	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Annually

#### UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010	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: 08/20/2014
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Varies

#### US MINES: Mines Master Index File

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

Date of Government Version: 01/30/2014	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/05/2014	Telephone: 303-231-5959
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 132	Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: Semi-Annually

#### TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA Telephone: 202-566-0250 Last EDR Contact: 05/30/2014 Next Scheduled EDR Contact: 09/08/2014 Data Release Frequency: Annually

#### TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 64 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 06/25/2014 Next Scheduled EDR Contact: 10/06/2014 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	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: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	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: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

#### SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011 Number of Days to Update: 77 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 05/06/2014 Date Data Arrived at EDR: 05/16/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 32 Source: Environmental Protection Agency Telephone: 202-564-5088 Last EDR Contact: 10/09/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

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

Date of Government Version: 06/01/2013	Source: EPA
Date Data Arrived at EDR: 07/17/2013	Telephone: 202-566-0500
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 07/18/2014
Number of Days to Update: 107	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Annually

#### MLTS: Material Licensing Tracking System

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

Date of Government Version: 07/22/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/02/2013	Telephone: 301-415-7169
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 06/05/2014
Number of Days to Update: 91	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

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

Date of Government Version: 07/07/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/10/2014	Telephone: 202-343-9775
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/10/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/18/2013 Date Data Arrived at EDR: 02/27/2014 Date Made Active in Reports: 03/12/2014 Number of Days to Update: 13 Source: EPA Telephone: (415) 947-8000 Last EDR Contact: 06/13/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Quarterly

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

#### RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 05/23/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 66 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

#### BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 02/26/2013 Date Made Active in Reports: 04/19/2013 Number of Days to Update: 52 Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 05/30/2014 Next Scheduled EDR Contact: 09/08/2014 Data Release Frequency: Biennially

### CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989 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: 05/19/2014Source: State Water Resources Control BoardDate Data Arrived at EDR: 05/20/2014Telephone: 916-445-9379Date Made Active in Reports: 05/28/2014Last EDR Contact: 05/20/2014Number of Days to Update: 8Next Scheduled EDR Contact: 09/01/2014Data Release Frequency: Quarterly

UIC: UIC Listing A listing of	wells identified as underground injec	ction wells, in the California Oil and Gas Wells database.
Date Data Date Made	vernment Version: 01/15/2014 Arrived at EDR: 03/18/2014 Active in Reports: 04/24/2014 Days to Update: 37	Source: Deaprtment of Conservation Telephone: 916-445-2408 Last EDR Contact: 06/20/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Varies
The sites for	rtese" Hazardous Waste & Substand or the list are designated by the Stat F/LS), and the Department of Toxic	e Water Resource Control Board (LUST), the Integrated Waste
Date Data Date Made	vernment Version: 06/30/2014 Arrived at EDR: 07/01/2014 Active in Reports: 07/28/2014 Days to Update: 27	Source: CAL EPA/Office of Emergency Information Telephone: 916-323-3400 Last EDR Contact: 07/01/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly
The sites for	and the Department of Toxic Substa	ite List e Water Resource Control Board [LUST], the Integrated Waste Board ances Control [CALSITES]. This listing is no longer updated by the
Date Data Date Made	vernment Version: 04/01/2001 Arrived at EDR: 01/22/2009 Active in Reports: 04/08/2009 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
Listings of a		to counties by the State Water Resources Control Board and the tabase is no longer updated by the reporting agency.
Date Data Date Made	vernment Version: 10/21/1993 Arrived at EDR: 11/01/1993 Active in Reports: 11/19/1993 Days to Update: 18	Source: State Water Resources Control Board Telephone: 916-445-3846 Last EDR Contact: 06/17/2014 Next Scheduled EDR Contact: 10/06/2014 Data Release Frequency: No Update Planned
A list of dry power laun	dries, family and commercial; garme ig; drycleaning plants, except rugs;	PA ID numbers. These are facilities with certain SIC codes: ent pressing and cleaner's agents; linen supply; coin-operated laundries carpet and upholster cleaning; industrial launderers; laundry and
Date Data Date Made	vernment Version: 06/28/2014 Arrived at EDR: 07/03/2014 Active in Reports: 08/21/2014 Days to Update: 49	Source: Department of Toxic Substance Control Telephone: 916-327-4498 Last EDR Contact: 06/09/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Annually
	tigation Program Case List igation Program case in the San Ga	briel and San Fernando Valley area.
Date Data Date Made	vernment Version: 07/03/2009 Arrived at EDR: 07/21/2009 Active in Reports: 08/03/2009 Days to Update: 13	Source: Los Angeles Water Quality Control Board Telephone: 213-576-6726 Last EDR Contact: 06/25/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Varies

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: 05/30/2014	Source: State Water Resoruces Control Board
Date Data Arrived at EDR: 05/30/2014	Telephone: 916-445-9379
Date Made Active in Reports: 07/07/2014	Last EDR Contact: 08/08/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 07/16/2013 Date Made Active in Reports: 08/26/2013 Number of Days to Update: 41 Source: California Environmental Protection Agency Telephone: 916-255-1136 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Annually

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 06/26/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/06/2014
	Data Release Frequency: Varies

#### INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 34 Source: USGS Telephone: 202-208-3710 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011 Number of Days to Update: 54 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 07/25/2014 Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Varies

#### COAL ASH DOE: Sleam-Electric Plan Operation Data A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 07/18/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Varies

#### MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/23/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/09/2014 Number of Days to Update: 26	Source: Department of Public Health Telephone: 916-558-1784 Last EDR Contact: 06/09/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Varies
PCB TRANSFORMER: PCB Transformer Registra The database of PCB transformer registration	
Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012 Number of Days to Update: 83	Source: Environmental Protection Agency Telephone: 202-566-0517 Last EDR Contact: 08/01/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies
PRP: Potentially Responsible Parties A listing of verified Potentially Responsible Pa	rties
Date of Government Version: 04/15/2013 Date Data Arrived at EDR: 07/03/2013 Date Made Active in Reports: 09/13/2013 Number of Days to Update: 72	Source: EPA Telephone: 202-564-6023 Last EDR Contact: 07/01/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly
WDS: Waste Discharge System Sites which have been issued waste discharg	e 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: 08/19/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Quarterly
PROC: Certified Processors Database A listing of certified processors.	
Date of Government Version: 06/16/2014 Date Data Arrived at EDR: 06/17/2014 Date Made Active in Reports: 07/10/2014 Number of Days to Update: 23	Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 06/17/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Quarterly
Financial Assurance 1: Financial Assurance Inform Financial Assurance information	ation Listing
Date of Government Version: 05/05/2014 Date Data Arrived at EDR: 05/14/2014 Date Made Active in Reports: 05/22/2014 Number of Days to Update: 8	Source: Department of Toxic Substances Control Telephone: 916-255-3628 Last EDR Contact: 07/25/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/19/2014 Date Data Arrived at EDR: 05/20/2014 Date Made Active in Reports: 05/22/2014 Number of Days to Update: 2 Source: California Integrated Waste Management Board Telephone: 916-341-6066 Last EDR Contact: 08/14/2014 Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/20/2014	Telephone: 202-566-1917
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 10/23/2013 Date Data Arrived at EDR: 11/06/2013 Date Made Active in Reports: 12/06/2013 Number of Days to Update: 30

Source: EPA Telephone: 202-564-2496 Last EDR Contact: 06/25/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013 Date Data Arrived at EDR: 11/06/2013 Date Made Active in Reports: 12/06/2013 Number of Days to Update: 30 Source: EPA Telephone: 202-564-2496 Last EDR Contact: 06/25/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Annually

#### 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 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: N/A

### HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/14/2014 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 13 Source: Department of Toxic Substances Control Telephone: 916-440-7145 Last EDR Contact: 07/15/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Quarterly

### HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/27/2014	
Date Data Arrived at EDR: 05/28/2014	
Date Made Active in Reports: 07/07/2014	
Number of Days to Update: 40	

Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 08/26/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 08/15/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

#### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014 Date Data Arrived at EDR: 06/12/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 46 Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 07/01/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Varies

#### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011 Date Data Arrived at EDR: 05/18/2012 Date Made Active in Reports: 05/25/2012 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 08/15/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 03/14/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 47 Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 06/11/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Varies

#### EDR HIGH RISK HISTORICAL RECORDS

### EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR RECOVERED GOVERNMENT ARCHIVES

**Exclusive Recovered Govt. Archives** 

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196 Source: Department of Resources Recycling and Recovery Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182 Source: State Water Resources Control Board Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### COUNTY RECORDS

#### ALAMEDA COUNTY:

#### **Contaminated Sites**

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/22/2014 Date Data Arrived at EDR: 04/24/2014 Date Made Active in Reports: 05/09/2014 Number of Days to Update: 15 Source: Alameda County Environmental Health Services Telephone: 510-567-6700 Last EDR Contact: 06/30/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 08/20/2014 Number of Days to Update: 23 Source: Alameda County Environmental Health Services Telephone: 510-567-6700 Last EDR Contact: 06/30/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Semi-Annually

#### AMADOR COUNTY:

### CUPA Facility List

Cupa Facility List

Date of Government Version: 07/23/2014 Date Data Arrived at EDR: 06/26/2014 Date Made Active in Reports: 07/25/2014 Number of Days to Update: 29 Source: Amador County Environmental Health Telephone: 209-223-6439 Last EDR Contact: 06/19/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: Varies

#### BUTTE COUNTY:

## CUPA Facility Listing

Cupa facility list.

Date of Government Version: 08/01/2013 Date Data Arrived at EDR: 08/02/2013 Date Made Active in Reports: 08/22/2013 Number of Days to Update: 20 Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 07/08/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: No Update Planned

### CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

> Date of Government Version: 07/02/2014 Date Data Arrived at EDR: 07/03/2014 Date Made Active in Reports: 07/30/2014 Number of Days to Update: 27

Source: Calveras County Environmental Health Telephone: 209-754-6399 Last EDR Contact: 06/26/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

### COLUSA COUNTY:

## CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/07/2014 Number of Days to Update: 24 Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 08/08/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Varies

#### CONTRA COSTA COUNTY:

#### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2014	Source: Contra
Date Data Arrived at EDR: 02/25/2014	Telephone: 925
Date Made Active in Reports: 03/18/2014	Last EDR Conta
Number of Days to Update: 21	Next Scheduled

Source: Contra Costa Health Services Department Telephone: 925-646-2286 Last EDR Contact: 08/05/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Semi-Annually

#### DEL NORTE COUNTY:

## CUPA Facility List

Cupa Facility list

Date of Government Version: 05/05/2014 Date Data Arrived at EDR: 05/06/2014 Date Made Active in Reports: 05/13/2014 Number of Days to Update: 7 Source: Del Norte County Environmental Health Division Telephone: 707-465-0426 Last EDR Contact: 07/30/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/29/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 07/07/2014 Number of Days to Update: 38 Source: El Dorado County Environmental Management Department Telephone: 530-621-6623 Last EDR Contact: 08/05/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

#### FRESNO COUNTY:

#### **CUPA Resources List**

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2014 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 08/19/2014 Number of Days to Update: 35

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 07/11/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

#### HUMBOLDT COUNTY:

CUPA Facility List CUPA facility list.

> Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/07/2014 Number of Days to Update: 26

Source: Humboldt County Environmental Health Telephone: N/A Last EDR Contact: 08/20/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

### IMPERIAL COUNTY:

CUPA Facility List Cupa facility list.

> Date of Government Version: 04/28/2014 Date Data Arrived at EDR: 04/30/2014 Date Made Active in Reports: 05/13/2014 Number of Days to Update: 13

Source: San Diego Border Field Office Telephone: 760-339-2777 Last EDR Contact: 07/25/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

### INYO COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 09/10/2013 Date Data Arrived at EDR: 09/11/2013 Date Made Active in Reports: 10/14/2013 Number of Days to Update: 33

Source: Inyo County Environmental Health Services Telephone: 760-878-0238 Last EDR Contact: 08/20/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

## 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: 08/08/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

#### KINGS COUNTY:

#### **CUPA Facility List**

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 06/20/2014 Number of Days to Update: 21 Source: Kings County Department of Public Health Telephone: 559-584-1411 Last EDR Contact: 08/20/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

### LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 07/23/2014 Date Data Arrived at EDR: 07/25/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 28 Source: Lake County Environmental Health Telephone: 707-263-1164 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Varies

### LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009	Source: EPA Region 9
Date Data Arrived at EDR: 03/31/2009	Telephone: 415-972-3178
Date Made Active in Reports: 10/23/2009	Last EDR Contact: 06/19/2014
Number of Days to Update: 206	Next Scheduled EDR Contact: 10/06/2014
	Data Release Frequency: No Update Planned

#### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 41

Source: Department of Public Works Telephone: 626-458-3517 Last EDR Contact: 07/21/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/21/2014 Date Data Arrived at EDR: 07/21/2014 Date Made Active in Reports: 08/19/2014 Number of Days to Update: 29 Source: La County Department of Public Works Telephone: 818-458-5185 Last EDR Contact: 07/21/2014 Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009 Date Data Arrived at EDR: 03/10/2009	Source: Engineering & Construction Division Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 08/14/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/03/2014
	Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014	Source: Community Health Services
Date Data Arrived at EDR: 02/25/2014	Telephone: 323-890-7806
Date Made Active in Reports: 03/25/2014	Last EDR Contact: 07/16/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/03/2014
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/23/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 08/20/2014 Number of Days to Update: 23

Source: City of El Segundo Fire Department Telephone: 310-524-2236 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 07/28/2014	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 07/28/2014	Telephone: 562-570-2563
Date Made Active in Reports: 08/20/2014	Last EDR Contact: 07/25/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014 Date Data Arrived at EDR: 03/27/2014 Date Made Active in Reports: 04/28/2014 Number of Days to Update: 32 Source: City of Torrance Fire Department Telephone: 310-618-2973 Last EDR Contact: 07/25/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

#### MADERA COUNTY:

**CUPA Facility List** 

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 06/27/2014 Number of Days to Update: 16 Source: Madera County Environmental Health Telephone: 559-675-7823 Last EDR Contact: 08/26/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

### MARIN COUNTY:

Underground Storage Tank Sites Currently permitted USTs in Marin County.

> Date of Government Version: 07/02/2014 Date Data Arrived at EDR: 07/07/2014 Date Made Active in Reports: 08/18/2014 Number of Days to Update: 42

Source: Public Works Department Waste Management Telephone: 415-499-6647 Last EDR Contact: 07/02/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Semi-Annually

#### MERCED COUNTY:

CUPA Facility List CUPA facility list.

> Date of Government Version: 05/27/2014 Date Data Arrived at EDR: 05/29/2014 Date Made Active in Reports: 06/24/2014 Number of Days to Update: 26

Source: Merced County Environmental Health Telephone: 209-381-1094 Last EDR Contact: 08/20/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

#### MONO COUNTY:

CUPA Facility List CUPA Facility List

> Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 06/27/2014 Number of Days to Update: 14

Source: Mono County Health Department Telephone: 760-932-5580 Last EDR Contact: 06/02/2014 Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: Varies

#### MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/09/2014 Number of Days to Update: 28 Source: Monterey County Health Department Telephone: 831-796-1297 Last EDR Contact: 08/26/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

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 Date Data Arrived at EDR: 12/06/2011 Date Made Active in Reports: 02/07/2012 Number of Days to Update: 63 Source: Napa County Department of Environmental Management Telephone: 707-253-4269 Last EDR Contact: 05/30/2014 Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008 Date Data Arrived at EDR: 01/16/2008	Source: Napa County Department of Environmental Management Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 05/30/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: No Update Planned

#### NEVADA COUNTY:

CUPA Facility List CUPA facility list.

> Date of Government Version: 11/06/2013 Date Data Arrived at EDR: 11/07/2013 Date Made Active in Reports: 12/04/2013 Number of Days to Update: 27

Source: Community Development Agency Telephone: 530-265-1467 Last EDR Contact: 08/14/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

### ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills. Date of Government Version: 05/01/2014

Date Data Arrived at EDR: 05/15/2014 Date Made Active in Reports: 05/22/2014 Number of Days to Update: 7 Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Annually

#### List of Underground Storage Tank Cleanups Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2014 Date Data Arrived at EDR: 05/15/2014 Date Made Active in Reports: 05/28/2014 Number of Days to Update: 13

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2014		
Date Data Arrived at EDR: 08/12/2014		
Date Made Active in Reports: 08/20/2014		
Number of Days to Update: 8		

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

PLACER COUNTY:

#### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/09/2014	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 06/10/2014	Telephone: 530-745-2363
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 06/09/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Semi-Annually

#### **RIVERSIDE COUNTY:**

#### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/08/2014 Date Data Arrived at EDR: 07/11/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 17 Source: Department of Environmental Health Telephone: 951-358-5055 Last EDR Contact: 06/23/2014 Next Scheduled EDR Contact: 10/06/2014 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/08/2014	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/11/2014	Telephone: 951-358-5055
Date Made Active in Reports: 08/18/2014	Last EDR Contact: 06/23/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 10/06/2014
	Data Release Frequency: Quarterly

#### SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/08/2014	Telephone: 916-875-8406
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 07/11/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

#### Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/05/2014 Date Data Arrived at EDR: 07/17/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 11 Source: Sacramento County Environmental Management Telephone: 916-875-8406 Last EDR Contact: 07/08/2014 Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Quarterly

### SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/30/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 07/07/2014 Number of Days to Update: 38 Source: San Bernardino County Fire Department Hazardous Materials Division Telephone: 909-387-3041 Last EDR Contact: 08/07/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

### SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013Source: Hazardous Materials Management DivisionDate Data Arrived at EDR: 09/24/2013Telephone: 619-338-2268Date Made Active in Reports: 10/17/2013Last EDR Contact: 06/09/2014Number of Days to Update: 23Next Scheduled EDR Contact: 09/22/2014Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013 Date Data Arrived at EDR: 11/19/2013 Date Made Active in Reports: 12/31/2013 Number of Days to Update: 42 Source: Department of Health Services Telephone: 619-338-2209 Last EDR Contact: 07/22/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010 Number of Days to Update: 24 Source: San Diego County Department of Environmental Health Telephone: 619-338-2371 Last EDR Contact: 06/04/2014 Next Scheduled EDR Contact: 09/22/2014 Data Release Frequency: No Update Planned

#### SAN FRANCISCO COUNTY:

#### Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 08/07/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 11/24/2014
	Data Release Frequency: Quarterly

#### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010 Date Data Arrived at EDR: 03/10/2011 Date Made Active in Reports: 03/15/2011 Number of Days to Update: 5 Source: Department of Public Health Telephone: 415-252-3920 Last EDR Contact: 08/07/2014 Next Scheduled EDR Contact: 11/27/2014 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: 06/20/2014 Date Data Arrived at EDR: 06/23/2014 Date Made Active in Reports: 07/11/2014 Number of Days to Update: 18 Source: Environmental Health Department Telephone: N/A Last EDR Contact: 06/19/2014 Next Scheduled EDR Contact: 10/06/2014 Data Release Frequency: Semi-Annually

#### SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/11/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/09/2014 Number of Days to Update: 26 Source: San Luis Obispo County Public Health Department Telephone: 805-781-5596 Last EDR Contact: 08/20/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

### SAN MATEO COUNTY:

#### **Business Inventory**

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/03/2014 Date Data Arrived at EDR: 04/04/2014 Date Made Active in Reports: 05/01/2014 Number of Days to Update: 27 Source: San Mateo County Environmental Health Services Division Telephone: 650-363-1921 Last EDR Contact: 06/16/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Annually

#### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/16/2014Source: San Mateo County Environmental Health Services DivisionDate Data Arrived at EDR: 06/19/2014Telephone: 650-363-1921Date Made Active in Reports: 07/10/2014Last EDR Contact: 06/13/2014Number of Days to Update: 21Next Scheduled EDR Contact: 09/29/2014Data Release Frequency: Semi-Annually

#### SANTA BARBARA COUNTY:

#### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011Source: Santa Barbara County Public Health DepartmentDate Data Arrived at EDR: 09/09/2011Telephone: 805-686-8167Date Made Active in Reports: 10/07/2011Last EDR Contact: 08/22/2014Number of Days to Update: 28Next Scheduled EDR Contact: 12/08/2014Data Release Frequency: Varies

#### SANTA CLARA COUNTY:

Cupa Facility List Cupa facility list

Date of Government Version: 06/02/2014 Date Data Arrived at EDR: 06/03/2014 Date Made Active in Reports: 06/23/2014 Number of Days to Update: 20 Source: Department of Environmental Health Telephone: 408-918-1973 Last EDR Contact: 06/02/2014 Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005 Number of Days to Update: 22 Source: Santa Clara Valley Water District Telephone: 408-265-2600 Last EDR Contact: 03/23/2009 Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014 Date Data Arrived at EDR: 03/05/2014 Date Made Active in Reports: 03/18/2014 Number of Days to Update: 13 Source: Department of Environmental Health Telephone: 408-918-3417 Last EDR Contact: 06/02/2014 Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: Annually

#### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/12/2014	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 05/19/2014	Telephone: 408-535-7694
Date Made Active in Reports: 05/28/2014	Last EDR Contact: 08/08/2014
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/24/2014
	Data Release Frequency: Annually

### SANTA CRUZ COUNTY:

CUPA Facility List CUPA facility listing.

> Date of Government Version: 05/27/2014 Date Data Arrived at EDR: 05/28/2014 Date Made Active in Reports: 06/20/2014 Number of Days to Update: 23

Source: Santa Cruz County Environmental Health Telephone: 831-464-2761 Last EDR Contact: 08/22/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

## SHASTA COUNTY:

## CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 06/12/2014 Date Made Active in Reports: 06/20/2014 Number of Days to Update: 8 Source: Shasta County Department of Resource Management Telephone: 530-225-5789 Last EDR Contact: 08/26/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

#### SOLANO COUNTY:

#### Leaking Underground Storage Tanks A listing of leaking underground storage tank sites located in Solano county. Date of Government Version: 06/19/2014 Source: Solano County Department of Environmental Management Date Data Arrived at EDR: 06/26/2014 Telephone: 707-784-6770 Date Made Active in Reports: 07/25/2014 Last EDR Contact: 06/13/2014 Next Scheduled EDR Contact: 09/29/2014 Number of Days to Update: 29 Data Release Frequency: Quarterly Underground Storage Tanks Underground storage tank sites located in Solano county. Date of Government Version: 06/19/2014 Source: Solano County Department of Environmental Management Date Data Arrived at EDR: 06/26/2014 Telephone: 707-784-6770 Last EDR Contact: 06/13/2014 Date Made Active in Reports: 07/25/2014 Number of Days to Update: 29 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Quarterly SONOMA COUNTY: Cupa Facility List Cupa Facility list Date of Government Version: 12/31/2013 Source: County of Sonoma Fire & Emergency Services Department Date Data Arrived at EDR: 01/02/2014 Telephone: 707-565-1174 Last EDR Contact: 06/26/2014 Date Made Active in Reports: 02/11/2014 Next Scheduled EDR Contact: 10/13/2014 Number of Days to Update: 40 Data Release Frequency: Varies Leaking Underground Storage Tank Sites A listing of leaking underground storage tank sites located in Sonoma county. Date of Government Version: 07/01/2014 Source: Department of Health Services Date Data Arrived at EDR: 07/03/2014 Telephone: 707-565-6565 Date Made Active in Reports: 07/28/2014 Last EDR Contact: 06/26/2014 Next Scheduled EDR Contact: 10/13/2014 Number of Days to Update: 25 Data Release Frequency: Quarterly SUTTER COUNTY: Underground Storage Tanks Underground storage tank sites located in Sutter county. Date of Government Version: 06/09/2014 Source: Sutter County Department of Agriculture Date Data Arrived at EDR: 06/11/2014 Telephone: 530-822-7500 Last EDR Contact: 06/09/2014 Date Made Active in Reports: 07/17/2014

#### TUOLUMNE COUNTY:

Number of Days to Update: 36

### CUPA Facility List

### Cupa facility list

Date of Government Version: 05/16/2014 Date Data Arrived at EDR: 05/16/2014 Date Made Active in Reports: 06/13/2014 Number of Days to Update: 28 Source: Divison of Environmental Health Telephone: 209-533-5633 Last EDR Contact: 08/08/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

Next Scheduled EDR Contact: 09/22/2014

Data Release Frequency: Semi-Annually

#### VENTURA COUNTY:

В	Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.	
	Date of Government Version: 04/28/2014 Date Data Arrived at EDR: 05/20/2014 Date Made Active in Reports: 05/27/2014 Number of Days to Update: 7	Source: Ventura County Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 08/14/2014 Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Quarterly
Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.		bandoned, and Inactive Sites.
	Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/01/2011 Date Made Active in Reports: 01/19/2012 Number of Days to Update: 49	Source: Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 07/01/2014 Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Annually
Listing of Underground Tank Cleanup Sites Ventura County Underground Storage Tank Cleanup Sites (LUST).		Cleanup Sites (LUST).
	Date of Government Version: 05/29/2008 Date Data Arrived at EDR: 06/24/2008 Date Made Active in Reports: 07/31/2008 Number of Days to Update: 37	Source: Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 08/13/2014 Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Quarterly
N	Medical Waste Program List To protect public health and safety and the environment from potential exposure to disease causing agents, th Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment disposal of medical waste throughout the County.	
	Date of Government Version: 04/28/2014 Date Data Arrived at EDR: 04/30/2014 Date Made Active in Reports: 05/19/2014 Number of Days to Update: 19	Source: Ventura County Resource Management Agency Telephone: 805-654-2813 Last EDR Contact: 07/28/2014 Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly
Underground Tank Closed Sites List Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.		age Tank Sites (UST)/Underground Tank Closed Sites List.
	Date of Government Version: 05/27/2014 Date Data Arrived at EDR: 06/17/2014 Date Made Active in Reports: 07/11/2014 Number of Days to Update: 24	Source: Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 06/16/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Quarterly
Y	OLO COUNTY:	
U	nderground Storage Tank Comprehensive Facility Underground storage tank sites located in Yol	•
	Date of Government Version: 06/30/2014 Date Data Arrived at EDR: 07/07/2014 Date Made Active in Reports: 08/18/2014 Number of Days to Update: 42	Source: Yolo County Department of Health Telephone: 530-666-8646 Last EDR Contact: 06/19/2014 Next Scheduled EDR Contact: 10/06/2014 Data Release Frequency: Annually

Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/19/2014 Date Data Arrived at EDR: 05/22/2014 Date Made Active in Reports: 06/19/2014 Number of Days to Update: 28 Source: Yuba County Environmental Health Department Telephone: 530-749-7523 Last EDR Contact: 07/31/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

#### **OTHER DATABASE(S)**

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

CT MANIFEST: Hazardous Waste Manifest Data Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator thro transporters to a tsd facility.	
Date of Government Version: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013 Number of Days to Update: 45	Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 08/19/2014 Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/19/2012 Date Made Active in Reports: 08/28/2012 Number of Days to Update: 40

Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 07/17/2014 Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2014 Date Data Arrived at EDR: 05/07/2014 Date Made Active in Reports: 06/10/2014 Number of Days to Update: 34 Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 08/07/2014 Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Annually

PA MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/21/2014 Date Made Active in Reports: 08/25/2014 Number of Days to Update: 35

Telephone: 717-783-8990 Last EDR Contact: 07/18/2014 Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Annually

Source: Department of Environmental Protection

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 08/13/2014 Number of Days to Update: 29

Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 08/26/2014 Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/20/2014 Date Made Active in Reports: 08/07/2014 Number of Days to Update: 48

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 06/16/2014 Next Scheduled EDR Contact: 09/29/2014 Data Release Frequency: Annually

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

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images

are made by scanning published paper maps on high-resolution scanners. The raster image

is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## STREET AND ADDRESS INFORMATION

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## **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

#### TARGET PROPERTY ADDRESS

INDIA BASIN EARL STREET/INNES AVENUE SAN FRANCISCO, CA 94124

## TARGET PROPERTY COORDINATES

Latitude (North):	37.7318 - 37° 43' 54.48"
Longitude (West):	122.3719 - 122° 22' 18.84''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	555347.4
UTM Y (Meters):	4176039.0
Elevation:	16 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	37122-F3 HUNTERS POINT, CA
Most Recent Revision:	1980
West Map:	37122-F4 SAN FRANCISCO SOUTH, 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:

- Groundwater flow direction, and
  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.

### **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 NNE

### 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.

## 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

Target Property County SAN FRANCISCO, CA	FEMA Flood <u>Electronic Data</u> Not Available	
Flood Plain Panel at Target Property:	Not Reported	
Additional Panels in search area:	Not Reported	
NATIONAL WETLAND INVENTORY NWI Electronic		
NWI Quad at Target Property HUNTERS POINT	<u>Data Coverage</u> YES - refer to the Overview Map and Detail Map	

### HYDROGEOLOGIC INFORMATION

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

#### Site-Specific Hydrogeological Data\*:

ne-opeenie riyarogeological Da	
Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile South
Site Name:	Treasure Island Naval Station-Hun Pt An
Site EPA ID Number:	CA1170090087
Groundwater Flow Direction:	INLAND ON THE SOUTH SIDE OF THE SITE AND TOWARD THE BAY IN THE AREA
	NORTH OF THE BEDROCK RIDGE AT THE CENTER OF THE SITE.
Measured Depth to Water:	2 feet to 12 feet.
Hydraulic Connection:	The bay mud acts as an aquitard between the surficial and lower
	aquifers.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is
-	documented in the CERCLIS investigation report(s)

### **AQUIFLOW**®

Search Radius: 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.

	LOCATION	GENERAL DIRECTION
MAP ID	FROM TP	GROUNDWATER FLOW

ON TP Mile West Mile West Mile WNW Mile WNW Mile NNW Mile NNW Mile NNW Mile NNW Mile SW Mile SW Mile SW Mile SW	GENERAL DIRECTION GROUNDWATER FLOW SE SE SW W NW NW Varies Varies Varies NW NW NW NE NE
/ile SW	NE
/ile SW	NE
/ile WSW /ile WSW /ile WSW /ile WSW	Not Reported Not Reported S S
	TP Mile West Mile West Mile WNW Mile WNW Mile NNW Mile NNW Mile NNW Mile SW Mile SW Mile SW Mile SW Mile SW Mile SW Mile SW Mile SW Mile SW Mile WSW Mile WSW

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

## GROUNDWATER FLOW VELOCITY INFORMATION

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

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

### **ROCK STRATIGRAPHIC UNIT**

### **GEOLOGIC AGE IDENTIFICATION**

Era:		egory:	Plutonic and Intrusive Rocks
System:	Permian		
Series:	Ultramafic rocks		
Code:	uM (decoded above as Era, System & Series)		

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 - 4048497.2s



India Basin Earl Street/Innes Avenue San Francisco CA 94124 37.7318 / 122.3719	CLIENT: Langan Engineering CONTACT: Peter J. Cusack INQUIRY #: 4048497.2s DATE: August 27, 2014 7:36 am
	Copyright © 2014 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

## 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: Partially hydric	
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information								
	Boundary		Classific		Classification Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:		

Soil Map ID: 2	
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
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						
	Boui	Boundary Classification Saturated hydraulic					
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	59 inches		Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 3	
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: 4	
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						
	Bou	ndary	ary Classification Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

SEARCH DISTANCE (miles)		
1.000		
Nearest PWS within 1 mile		
1.000		

#### FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No Wells Found		

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No DWC Quatara Faund		

No PWS System Found

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

## STATE DATABASE WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No Wells Found		

**PHYSICAL SETTING SOURCE MAP - 4048497.2s** 



SITE NAME: India Bas ADDRESS: Earl Stre San Fran LAT/LONG: 37.7318	t/Innes Avenue cisco CA 94124	CONTACT: INQUIRY #:	Langan Engineering Peter J. Cusack 4048497.2s August 27, 2014 7:36 am
Convertent @ 2014 EDB Inc. @ 2014 Tele Atlac Rel. 07/2009			
# **GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation			Database	EDR ID Number
A1 West 1/8 - 1/4 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0705 SE 9.0 18.0 Not Reported 11/10/1995	AQUIFLOW	70058
A2 West 1/8 - 1/4 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0705 SE 87 90 Not Reported 01/12/1996	AQUIFLOW	70059
A3 WNW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0264 SW 3.0 10.5 Not Reported 01/19/1996	AQUIFLOW	69777
4 WNW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-10588 W 3.10 7.15 Not Reported 10/10/1989	AQUIFLOW	69850
B5 NNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0207 NW 8.58 18.90 Not Reported 01/12/1995	AQUIFLOW	51272
B6 NNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	10208 NW 8.58 18.90 Not Reported 01/12/1995	AQUIFLOW	51273
C7 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0847 Varies 9.0 9.5 Not Reported 09/06/1996	AQUIFLOW	70676

# **GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation			Database	EDR ID Number
C8 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0847 Varies 9.0 9.50 Not Reported 11/01/1997	AQUIFLOW	70677
D9 SW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0664 NW 54 76 Not Reported 07/06/1995	AQUIFLOW	70765
D10 SW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0664 NW 80.0 86.0 Not Reported 09/26/1995	AQUIFLOW	70766
E11 SW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0677 NE 1.0 2.5 Not Reported 01/01/1987	AQUIFLOW	70669
E12 SW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0677 NE 8.0 9.5 Not Reported 10/17/1995	AQUIFLOW	70670
E13 SW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0677 NE 8.0 9.0 Not Reported 09/29/1998	AQUIFLOW	70671
F14 WSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-00510 Not Reported Not Reported Not Reported 11.5 06/27/1994	AQUIFLOW	51246

# **GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation			Database	EDR ID Number
F15 WSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0510 Not Reported Not Reported 11.5 06/27/1994	AQUIFLOW	51244
G16 WSW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-11091 S Not Reported Not Reported 12.5 11/30/1998	AQUIFLOW	69102
G17 WSW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-11091 S Not Reported Not Reported 10 ft 09/29/1998	AQUIFLOW	69105

# **GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS** RADON

# AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94124	83	0

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 Zip Code: 94124

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

## **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database Source: Department of Water Resources Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Public Health Telephone: 916-324-2319 The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

### OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations Source: Department of Conservation Telephone: 916-323-1779 Oil and Gas well locations in the state.

# RADON

State Database: CA Radon Source: Department of Health Services Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

# OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

# STREET AND ADDRESS INFORMATION

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APPENDIX C PHOTOGRAPHS

LANGAN TREADWELL ROLLO



Photograph 1 – View of the Site, facing northeast



Photograph 2 – View of the Site, facing northwest

# Treadwell&Rollo

23 August 1999 Project 2576.04

City and County of San Francisco Department of Public Works Bureau of Construction Management Site Assessment and Remediation Division Attn: John T. Chester 1680 Mission Street, 1st Floor San Francisco, California 94103

Subject: India Basin Shoreline Park Soil Sampling Results San Francisco, California

Dear Mr. Chester,

Treadwell & Rollo, Inc. is pleased to present the results of the soil composite sample collection and analysis for the San Francisco Department of Public Works (SFDPW) at the subject site as outlined in our proposal dated 22 July 1999. The sampling was conducted to characterize soil in areas that will be cut and filled as part of park improvements.

We performed the following tasks to collect the five composite soil samples for total arsenic, lead, and nickel analysis:

- Prepared and submitted *Application For Soil Borings* with filing fee to the San Francisco Department of Public Health (SFDPH);
- Visited the site and painted and flagged boring locations;
- Contacted Underground Service Alert (USA) for utility location;
- Advanced and grouted 17 shallow borings and note lithology; and
- Collected five composite soil samples for laboratory analysis of total arsenic, lead, and nickel.

On 29 July 1999, Precision Sampling Inc. (Precision) mobilized a direct-push rig suitable for work at the site. Precision advanced 17 borings to depths of approximately 2 to 8 feet as outlined in Table 1 and shown on the attached figure. Treadwell & Rollo collected soil samples for composite sample preparation as indicated in Table 1. Soil types are also noted in Table 1. Borings were grouted from the bottom up with a cement-bentonite grout. Treadwell & Rollo coordinated with the SFDPH for borehole grout inspection.



John T. Chester 23 August 1999 Page 2

The five composite samples were submitted for total arsenic, lead, and nickel analysis using EPA Method 6010/7000 on a 3 to 4 day turn-around-time. The Area D or fill area soil was held for analysis pending results for cut area samples (Areas A through C). If the cut area sample results (Areas A through C, samples C-1 through C-4) were below levels of concern, the fill area (Area D) sample (C-5) would not be analyzed.

Draft analytical results were transmitted to Pam Hollis of the SFDPH and to John Chester of SFDPW on 5 August 1999. The laboratory report is attached and results are summarized in Table 2. Pam discussed these results with the project team. Based on the fact that planter boxes will be installed, a geotextile fabric will be in place at the bottom of the planter boxes, and a ban on fruit trees will be enforced, the sample C-5 was not analyzed.

We appreciate the opportunity to work with the SFDPW. If you have any questions, please call Dorinda Shipman at 415-955-9040.

Sincerely, TREADWELL & ROLLO, INC. 11eadward Dorinda C. Shipman R.G.

Dorinda C. Shipman R.G., Project Manager

Donald D. Treadwell, Ph.D., P.E., G.E. Principal

Attachments

Copy to: Pam Hollis, San Francisco Department of Public Health

# Treadwell&Rollo

John T. Chester 23 August 1999 Page 3

# Table 1Soil Sampling SummaryIndia Basin Shoreline Park

Area	Boring	Sample Depths	Soil Description	Composite Sample
Area A Southern Path	B-1	4 feet	Brown Sand with gravel (Fill)	C-1 Composite of 3 samples
from Parking Lot	B-2	2 feet	Brown Sand with gravel (Fill)	collected from 2 feet and 1 from 4 feet
	B-3	2 feet	Reddish-Brown Sand with gravel (Fill)	
	B-4	2 feet	Reddish-Brown Sand with gravel (Fill)	
Area B Future	B-5	4 feet	Reddish-Brown Sand with gravel (Fill)	<b>C-2</b> Composite of 3 samples
Stairway	B-6	2 feet	Reddish-Brown Sand with gravel (Fill)	collected from 2 feet and 1 from 4 feet
	B-7	2 feet	Reddish-Brown Sand with gravel (Fill)	-
	B-8	2 feet	Brown Sand with gravel (Fill)	
Area C Path to Future Basketball	B-9	4 and 8 feet	Grayish-brown Sand with gravel (Fill)	<b>C-3</b> Composite of 2 samples collected from 4 feet, 1
Court	B-10	2 and 6 feet	Grayish-brown Sand with gravel, concrete, and brick fragments (Fill)	from 6 feet, and 1 from 8 feet C-4
	B-11*	2 and 4 feet	Grayish-brown Sand with gravel and concrete fragments (Fill)	Composite of 4 samples collected from 2 feet
	B-12*	2 feet	Grayish-brown Sand with gravel and concrete fragments (Fill)	
	B-13*	2 feet	Grayish-brown Sand with gravel and concrete fragments (Fill)	
<b>Area D</b> Fill Area	B-14	2 feet	Grayish-brown Sand with gravel and concrete fragments (Fill)	<b>C-5</b> Composite of 4 samples
	B-15	2 feet	Grayish-brown Sand with gravel (Fill)	collected from 2 feet
	B-16	2 feet	Grayish-brown Sand with gravel (Fill)	
	B-17	2 feet	Grayish-brown Sand with gravel (Fill)	

\*- Initially hit refusal at these locations at 2 feet below ground surface. Observed movement over the surrounding area indicating that an obstruction may be present in the vicinity of these borings.

# Treadwell&Rollo

John T. Chester 23 August 1999 Page 4

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# Table 2Analytical Result SummaryIndia Basin shoreline Park

Sample	Arsenic	Lead	Nickel
C-1	5.4	220	79
C-2	5.5	70	100
C-3	1.8	47	370
C-4	5.1	190	380

Results are in milligrams per kilogram (mg/kg).







This package may be reproduced only in its entirety.



Laboratory Number: **140698** Client: **Treadwell & Rollo** Project Name: **India Basin Shoreline Park**  Receipt Date: 07/30/99

# CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for twentyfour soil samples received from the above referenced project. The samples were received cold and intact.

**Metals:** The matrix spike recovery for lead and nickel was outside acceptance limits. The associated blank spike recoveries were acceptable for all target elements. No other analytical problems were encountered.

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5:	<b>Treadwo</b> 55 Montgomery San Franciso (415) 9 (415) 955	Stree co, Ca 55-90	t, Sui lifori 40	ite 130 nia	0		CHAIN OF C	USTODY RECORD
Project No	2576.04	·P	rojec	t Name	Indi	B		7/24/99 Page of
Date	Sample Number	TATAL ARGENIC	Taral Leado	nalysis		Number of Containers	Sample Information	Relinquished by (Sampler): Micall Rapport Signature OL Q Q Printed Name Company Date 1/24/49 Time 1400 Received by: STORAGE: WH.
7/29/99	B-1-4'	X	X	X		1	)	- Signature
1/29/99	B-2-2	, X	X	X		1	S pls 4:1 Compositie	Printed Name Mican Paparoza
1/29/99	B-3-2'	X	X	X			-5 6-1	Company
1/20/99	8-4-2-	X	X	X	-		Κ	Date 4/24/99 Time 1700
7/29/94	B-5-4'	X	K V	X				Relinquished by:
7/29/99	B-6-2	X	X	X			-io G-2	Signature
7/29/99	B·7-2'		X X	X			-10 6-8	Printed Name micht Proposed
<u>124199</u>	B-8-2		x X				*	Company
<u>1/29/99</u> 1/29/99	B-9-4 B-9-8'	X		X			*	Date 7/30/99 Time 1414
	B-10-J	X	X X				**	Method of Shipment Réceived by (Lab):
<u>1/29/99</u> 7/29/99	B-10-6 B-10-6	X	X		1		*	Signature El
1/20/04 1/20/04		X		X	-	1	**	Signature Steven E. Stant
Magaz	B-11-2' B-11-4'	X	X	X			*	Lab Curtisi Tomp
Marin II	B-12-2'	X	X	X		1	**	Date 7/29/99 Time 14:141
7/29/44	B-13-2'	X	X	X		1	**	Lab Comments
7/2/99	3-14-2'	X	X	X		1		Soxfri
7/24/99	B-15-2'	X	X	X		1	-2 pls Hold	3 TO 4 DAY
7/24/44	B-16-2'	X	X	X		1		TAT
1/29/99	8-17-2-	X	X	X	1	1	J	
			T	otal Nu	iners	90		
Remarks:	-15	×	pls	41	Con	NPO	STE C-3 NOSITE C-4	

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CLIENT: Treadwell & Rollo PROJECT ID: 2576.04 LOCATION: India Basin ShorelinePark MATRIX: Soil

# Metals Analytical Report

			Arsenic	anic				
Sample ID	Lab ID	Sample Date	Receive Date	Result (mg/Kg)	Reporting Limit II (mg/Kg)	IDF QC Batch	h Method	Analysis Date
COMP C-1 COMP C-2 COMP C-3 COMP C-4	140698-005 140698-010 140698-010 140698-015 140698-020	77/29/99 07/29/99 07/29/99 07/29/99	07/30/99 07/30/99 07/30/99 07/30/99	0010 40001 40001	0.25 0.25 0.25 0.25	1 49706 1 49706 1 49706 1 49706 1 49706	EPA EPA EPA EPA	6010B 08/04/99 6010B 08/04/99 6010B 08/04/99 6010B 08/04/99 6010B 08/04/99

CUT Curtis & Tompkins, Ltd.

DATE REPORTED: 08/04/99

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CLIENT: Treadwell & Rollo PROJECT ID: 2576.04 LOCATION: India Basin ShorelinePark MATRIX: Soil

# Metals Analytical Report

				AND	г			
			Le	Lead				
Sample ID	Lab ID	Sample Date	Receive Date	Result (mg/Kg)	Reporting Limit ID (mg/Kg)	IDF QC Batch	Method	Analysis Date
COMP C-1 COMP C-2 COMP C-3 COMP C-4	140698-005 140698-010 140698-010 140698-015 140698-015	07/29/99 07/29/99 07/29/99 07/29/99	07/30/99 07/30/99 07/30/99 07/30/99	220 70 190	0.15 0.15 0.15 0.15	1 49706 1 49706 1 49706 1 49706 1 49706	EPA 60101 EPA 60101 EPA 60101 EPA 60101 EPA 60101	3 08/04/99 3 08/04/99 3 08/04/99 3 08/04/99 3 08/04/99

CUT Curtis & Tompkins, Ltd.

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CLJENT: Treadwell & Rollo PROJECT ID: 2576.04 LOCATION: India Basin ShorelinePark MATRIX: Soil

# Metals Analytical Report

			Nic	Nickel				
Sample ID	Lab ID	Sample Date	Receive Date	Result (mg/Kg)	Reporting Limit IDF (mg/Kg)	F QC Batch	Method	Analysis Date
COMP C-1 COMP C-2 COMP C-3 COMP C-4	140698-005 140698-010 140698-010 140698-015 140698-020	07/29/99 07/29/99 07/29/99 07/29/99	07/30/99 07/30/99 07/30/99 07/30/99	79 100 370 380	0.98 0.1 0.98 0.98	1 49706 1 49706 1 49706 1 49706 1 49706	EPA EPA EPA EPA EPA	6010B 08/04/99 6010B 08/04/99 6010B 08/04/99 6010B 08/04/99 6010B 08/04/99





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# BATCH QC REPORT PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Arsenic Lead Nickel	ND ND ND	0.25 0.15 1	mg/Kg mg/Kg mg/Kg	1	49706	EPA 6010B EPA 6010B EPA 6010B	08/04/99 08/04/99 08/04/99
	ND = Not Detec	l ted at or a	above 1	report	ing li	lmit	



\*

# BATCH QC REPORT BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS∜ Rec.	BSD% Rec.	Rec. Limits	RPD %	RPD Limit	QC Batch	Method	Analysis Date
   Arsenic   Lead   Nickel	100 25 25	94 22.05 24.05	96 22.3 23.5	mg/Kg mg/Kg mg/Kg	94 88 96	96 89   94	80-120 80-120 80-120	1	35 35 35	49706 49706 49706	EPA 6010B EPA 6010B EPA 6010B	08/04/99 08/04/99 08/04/99



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# BATCH QC REPORT SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Arsenic Lead	140698-005 140698-005	5.392   218.1	5.072 223,4	mg/Kg mg/Kg	6	35	49706 49706	EPA 6010B EPA 6010B	08/04/99
Nickel	140698-005	79.41	72.25	mg/Kg	9	35	49706	EPA 6010B	08/04/99



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# BATCH QC REPORT SAMPLE SPIKE

Compound	Spike Amount	Sample	Sample Result	Spike Result	Units	Percent Rec.	Rec. Limit	QC Batch	Method	Analysis Date
Arsenic Lead Nickel	24.51	140698-005 140698-005 140698-005	5.392 218.1 79.41	91.18 260.3 123	mg/Kg mg/Kg mg/Kg	88 172* NM 178*	65-135 65-135 65-135	49706 49706 49706		08/04/99 08/04/99 08/04/99
				Out of Limit Not Meaningfu	-				1	

# **City and County of San Francisco**



Willie Lewis Brown, Jr., Mayor Mark A. Primeau, Architect, AIA, Director



(415) 554-8200 FAX (415) 554-8218 http://www.sfdpw.com

Department of Public Works Bureau of Construction Management 1680 Mission Street, S.F., CA 94103 P.O. Box 429360 San Francisco, CA 94142-9360 Donald J. Eng, P.E., Bureau Manager

Date: August 26, 1999

- To: Marvin Yee, Parks and Recreation
- Th: Steve Mullinnix, DPW-BCM/SAR
- Fr: John Chester, DPW-BCM/SAR
- Proj: India Basin Shoreline Park Phase II Job Number 1484N
- Re: Phase II Soil Sample Results
- cc: Martha Ketterer, BOE w/ attach. John Pons, BOE w/o attach

Pam Hollis, DPH w/o attach. Frank Filice, BOE w/o attach.

I am attaching a copy of Treadwell and Rollo Inc.'s summary letter discussing soil sampling information and analytical results from the India Basin park site.

Project team members reviewed and commented on the data and have agreed to the following construction procedures:

- 1. The cut material will provide up to 4 feet of fill in the proposed garden and court area.
- 2. The garden will be of "raised bed" design and constructed using 18 to 24 inches of clean import top soil.
- 3. During garden construction, a geotextile fabric will be placed at the interface between the onsite fill and the import soil.
- 4. Fruit trees will not be planted in the park.
- 5. Leveling or grading will not be performed during grubbing work.
- 6. Dust control measures will be included in the Contract Specifications for this project.

If anybody has any comments, changes, or additions to the above items please contact me at 554-8378.



# City and County of San Francisco Department of Public Works Bureau of Engineering Landscape Architecture

Transmittal

TO: MARTITA JUNIO INBLIC NEALTH

Englosect: (7 totenNemo 3 Other	C Plans	U? Samples
Transmittled as Checked: Per Internation Pr Approvel For Review and Comment Other	As Requester Approved as Submitted Approved as Helad	Return for Correction [] Return to Us [] Resultmit for Approval

Hernerka:

THE NAME OF THE BUSINESS AND LOCATION IS PACIFIC BOAT & GHIP REPAIR 894 INNEG AVE. THE SLAW HEAP IS AT THE VERY BACK END OF THE PROPERTY. THANK YOU FOR INVESTIGATING THIS. Martin Better

Shenneh Hom Landsenpe Architect, Section Chief

Distribution:

Job Loogtion Job Number Date Via

(415) <del>554-8285</del> 554-8296 1680 Mission Street

San Francisco 94103

NOISSIH 0891 309-MJO

4122248308

85:21 2881-60-10







Pacific Ship & Boat Repair June 16, 1993 Page 9

Sample No	$\underline{TTLC}[Cu]$	$\underline{STLC}[Cu]$	TTLC [Pb]	STLC [Pb]	Hazard
5EØmj	2,200.0	3.7	10.0	ND	No
5FØmj	1,800.0	3.4	20.0	ND	No
1A12mj	3,700.0	82.0	600.0	36.0	Yes
2B6mj	3,330.0	33.0	490.0	23.0	Yes
3C18mj	4.200.0	120.0	590.0	27.0	Yes
4D24mj	4,000.0	15.0	930.0	52.0	Yes
CØmj	3,700.0	110.0	380.0	24.0	Yes
C6mj	3.500.0	62.0	480.0	21.0	Yes
C12mj	3,700.0	35.0	520.0	19.0	Yes
C24mj	3,200.0	48.0	340.0	15.0	Yes
ZØØmj	ND	NĎ	ND	ND	No
C24mj (Oil/G	rease)	260,0 mg/kg			

II. Recommendations

# I. Analytical Results

On June I, 1993, we received the final report of the sample analysis [Attachment G]. Result for pH of Sample No. 3C18mj51293 was not provided. In accordance with Title 22, California Code of Regulations (CCR), Division 4.5, Section 66261.24(a)(2)(A), the Total Threshold Limit Concentrations (TTLC) and the Seluble Threshold Limit Concentration (STLC) values for Inorganic Persistent and Bioaccumulative Substances are provided. The following table lists the TTLC and STLC values for Copper and Lead. Hazardous levels for these two compounds were prevelant in the samples.

Compound	TTLC (ppm)	<u>STLC</u> (ppm)
Copper [Cu]	2,500.0	25.0
Lead [Pb]	1,000.0	5.0

The following information is a summary of the analytical results for the samples analyzed by Curtis and Tompkins, Ltd. The other inorganic compounds were not listed because they did not exceed TTLC and STLC levels. All results are provided in units defined as parts per million (ppm). Italicized numbers indicate hazardous levels.





# Wetland Site (Phase 2):

Per meetings with RWQCB staff the problem of old gw data indicating gw concentrations are significantly higher than the SF Bay Water Quality Objectives needs to be addressed prior to moving forward.

Must confirm Pb and Ni concentrations in area where previously detected, and if high levels are substantiated with the new data, then need to determine 1) background concentrations via Navy data and 2) determine whether there is any attenuation occurring between detected high levels and Bay.

A sample plan outline (based on RWQCB staff input), cost proposal for performing the work has been presented to PMs.

Will meet 3/22/99 to discuss next steps.

# Hawes Ave Site (Phase 1):

1987 ERM 'India Basin East' report indicates 3 of 6 samples were analyzed and collected somewhere in the vicinity of proposed new upland park development (A1, A3, A5 = metals analysis). Old data indicate elevated lead and nickel detected in composite samples A1, A3, A5 (elevated for disposal purposes, if soil to be excavated and off-hauled, receiving landfill likely to request soil data.) Organic data does not appear to be an issue based on old 1987 data.

[CDM Ben Swann: do you have the C&O Report for India Basin]

PES Environmental Review: [JC does not have the C&O Report] -

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Galvez Parcel: ERM West reports elevated Pb and Ni, see above.

- 2. McGarvey Parcel: C&O Report: 5 of 12 samples indicate hazmaterials, PES belives hazard to be overstated:
  - a. Nickel: Source is background naturlly occuring Serpentinite
  - b. Lead: for in place management not a problem [off site disposal may require additional analysis]
  - c. High pH (8.4 to 11) lessens the potential for metals migration. (Not an acid soil matrix, basic soil matrix).
  - d. PNAs and TOG > 1,000 ppm source to be asphalt.

**Stone Parcel:** C&O Report: 5 of 10 samples contained hazmaterials, PES believes the hazard to be overstated. [JC belives that to manage the soil in place one must get the proper approval from the local DPH and other agencies (RQCB)] C&O may be correct in identifying hazmaterials if soil were to be hauled to offsite disposal facility.

- a. Nickel: Source is serpentinite
- b. Lead: 1490 mg/kg in one sample, other samples range 8 to 52. One high level is an isolated occurrence. [Need regulator buy-in on this, what does DPH think?]
- c. Organics: PNAs likely to be asphalt; chlorinateds are likely lab contaminants.
- d. PH: high due to presence of concrete.

Kosewic Parcel: Slag pile at Galvez Avenue ROW sampling and several boreholes.

- a. PCBs: not detected in borings. Slag pile at 0.89 mg/kg, reported below action levels.
- b. PH at 7 to 10, likely from concrete.
- c. PNAs at less than 1 mg/kg, likely from asphalt and therefore not available to migrate to pathways.
- d. VOCs not detected

Negative Declaration

3/21/99

The neg dec discusses the two sites 1) The Park Site (P1) and 2) Open Space Site (P2). Neg Dec comments on P2 are brief given that at the time P2 was conceptual, no discussion or evaluation of wetlands as part of P2 was performed.

SFDPH reviewed the C&O reports and noted elevated concentrations in one or more of the parcels. DPH "generally aggreed" with the PES reports stating that further work is needed for the Galvez Street right-ofway (slag heap) and the Stone Parcel (adjacent to Big J).

Park Plan in areas other than Galvez and Stone Areas:

DPH concurrence w/ PES is conditioned on designing remaining as they were then proposed and GRANE AREA Asphalt understood by DPH. Q: Is the P1 plan the same as when DPH reviewed? DPH understood that:

Little or no excavation, except as needed to grade and create vehicle access. Landscape requires minimal maintenance, low water usage. Minimal tree planting e.g. shallow root system.

Galvez slag heap, no work in this area pending: Slag reomaval. Confirmatory Sampling.

Certification Report

Stone Parcel Oily Soil, no work in this area pending: Soil Removal. Confirmatory Sampling Certification Report

RWQCB involvement at P1 was in regards to storm-water run-off to bay. The question of P1 groundwater impacting Bay waters has not been evaluated.

Mitigaiton Meausres:

- 1. Neg Dec did not evaluate project for wetland at P2 Open Space Site
- 2. Prior to including Galvez and Stone Parcels into P1 plan, need certifacation that metals and oil pose no threats to human health and the environment. (... removed and handled by a professional).
- 3. Perform survey to ensure that oily soil of Stone parcel is not part of Park Plan (P1).
- 4. Include in any plans and specs 1) dust control 2) stockpile methods 3) health and safety plan id of hazards and proper PPE by workers.

JC needs:

- Map of Galvez and Stone areas in relation to (P1) Park Plan.
- > Determination by RWQCB staff that gw impacts to Bay are/are not a P1 issue.
- > Determine whether P2 wetland requires neg dec determination (w/out then there will be a failure to fully disclose to public and allow for comment).
- > Does P1 plan require off site disposal of soils and if so how much ? and from where ?

Will the P2 wetlands creation fall w/in jurisdiction of "discharge of dredged sediment in the non-aquatic environment? Beneficial reuse of dredged material during wetland creation for upland disposal.

CROSBY & UVERTON, INC. Environmental Management 8430 Amelia Street 0akiand, California 94621 FAX (415) 633-0759 (415) 633-0336 • (800) 821-0424 CONTAMI NANT I DENTIFIED	TOTAL OIL & GREASE 3,000 PPM				DENZALDEHYDE 1.3 PPM: TOTAL OIL & GREASE 4,400 PPM						2.9 PPM: TOTAL OIL & GREASE 610 PPM	BUTYL-2-METHYLPROPYLPHTHALATE 13 PPB, BUTYL-2-METHYLPROPYLPHTHALATE 100PPB NICKEL 441 PPM, TRICHLOROETHENE-19 PPB, TETRACHLOROETHENE 29 PPB	NAPHTHALENE 630 PPB: PYRENE 390 PPB	TOTAL OIL & GREASE 650 PEM				- STONE PROP -	
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# Treadwell&Rollo

22 July 1999 Project 2576.04

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City and County of San Francisco Department of Public Works Bureau of Construction Management Site Assessment and Remediation Division Attn: John T. Chester 1680 Mission Street, 1st Floor San Francisco, California 94103

Subject: India Basin Shoreline Park Soil Sampling Proposal San Francisco, California

Dear Mr. Chester,

Treadwell & Rollo, Inc. is pleased to present this proposal to assist the San Francisco Department of Public Works (SFDPW) to collect and analyze soil composite samples for arsenic, lead, and nickel analysis at the subject site. The sampling is being conducted to characterize soil in areas that will be cut and filled as part of park improvements. Our proposal is based on telephone conversations with you on 20 July 1999, an India Basin Shoreline Phase II Drawing indicating cut and fill areas, and a site visit with you on 21 July 1999.

We propose to perform the following tasks to collect the five composite soil samples for total arsenic, lead, and nickel analysis:

- Prepare and submit *Application For Soil Borings* with filing fee to the San Francisco Department of Public Health (SFDPH),
- Contact Underground Service Alert (USA) for utility location;
- Advance and grout 17 shallow borings and note lithology;
- Collect five composite soil samples for laboratory analysis of total arsenic, lead, and nickel; and
- Submit laboratory report and field observations to SFDPW.

These services are described on a task basis in the following paragraphs.

# Task 1 - Soil Boring Permit Application and Mobilization

Treadwell & Rollo will prepare an *Application for Soil Borings* and submit it along with the required filing fee to the San Francisco Department of Public Health (SFDPH). We will prepare a site-specific Health & Safety plan, mobilize field sampling equipment, visit the site to mark the boring locations with white paint, and contact USA for utility



John T. Chester CCSFDPW 22 July 1999 Page 2

location. Precision Sampling Inc. (Precision) will mobilize a direct-push rig suitable for work at the site.

## Task 2 - Sample Collection and Analysis

We will coordinate with the SFDPH for borehole grout inspection. Precision will advance 17 borings to depths of approximately 2 to 8 feet as outlined in Table 1 and shown on the attached figure. Soil will be collected for compositing as indicated in Table 1 and soil types will be noted. The borehole locations will be staked, painted, and noted one once plan. Borings will be grouted from the bottom up with a cement-bentonite grout. Precision will steam clean all sampling equipment between boring locations.

The five composite samples will be submitted for total arsenic, lead, and nickel analysis using EPA Method 6010/7000 on a 3 to 4 day turn-around-time. The Area D or fill area soil will initially be held for analysis pending results for cut area samples (Areas A through C). If the cut area sample results (Areas A through C, samples C-1 through C-4) are below levels of concern, the fill area (Area D) sample (C-5) will not be analyzed.

#### Task 3 – Data Evaluation and Deliverable

Treadwell & Rollo will prepare a letter summarizing the sampling results and including the final analytical laboratory report and field observations for submittal to SFDPW within 2 weeks of sample collection. Draft analytical results will be transmitted, as they become available.

### **Estimated Cost**

Task 1 – Soil Boring Permit App	\$1,400	
Labor		
Staff Geologist	\$160	
Project Manager	\$230	
Permit Fees	\$1,010	
	<b>\$2.040</b>	
Task 2 - Sample Collection and Analysis		\$2,840
Labor		
Staff Geologist	\$800	
Project Manager	\$230	
Sampling Equipment	\$240	
Precision Sampling	\$1,440	
Analytical Laboratory	\$130	

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John T. Chester CCSFDPW 22 July 1999 Page 3

Task 3 – Data Evaluation and Deliverable Labor Project Manager/ Senior Hydrogeologist \$230

**Estimated Total** 

Treadwell & Rollo anticipates completing the soil sampling and analysis for a total of \$4,500 in accordance with our existing as-needed services contract with SFDPW. The total amount will not exceed \$4,500 unless the scope-of-work changes and not without your prior authorization.

# **SCHEDULE**

The drilling and sample collection is currently scheduled for 29 July 1999.

We appreciate the opportunity to present this proposal. If you have any questions, please call Dorinda C. Shipman at 415-955-9040.

Sincerely, TREADWELL & ROLLO, INC.

Dorinda C. Shipman R.G., C. Project Manager

Donald D. Treadwell, Ph.D., P.E., G.E. Principal

Attachments

\$230

\$4,500

# Treadwell&Rollo

John T. Chester CCSFDPW 22 July 1999 Page 4

# Table 1Sample Collection Summary

Area	Borings	No. of Samples for	Composite
		Compositing and	Samples
		Depths	
Area A	4 total	4 total	C-1
Southern Path from	B-1	4 feet	Composite of 3
Parking Lot	B-2	2 feet	samples collected
	B-3	2 feet	from 2 feet and 1
	B-4	2 feet	from 4 feet
Area B	4 total	4 total	C-2
Future Stairway	B-5	4 feet	Composite of 3
	B-6	2 feet	samples collected
	B-7	2 feet	from 2 feet and 1
	B-8	2 feet	from 4 feet
Area C	5 total	8 total	C-3
Path to Future	B-9	4 and 8 feet	Composite of 2
Basketball Court	B-10	2 and 6 feet	samples collected
	B-11	2 and 4 feet	from 4 feet, 1 from
	B-12	2 feet	6 feet, and 1 from 8
	B-13	2 feet	feet
			C-4
			Composite of 4
			samples collected
			from 2 feet
Area D	4 total	4 total	C-5
Fill Area	B-14	2 feet	Composite of 4
	B-15	2 feet	samples collected
	B-16	2 feet	from 2 feet
	B-17	2 feet	



#### NEGATIVE DECLARATION

Date of Publication of <u>Preliminary Negative Declaration: July 16, 1993</u> Lead Agency: City and County of San Francisco, Department of City Planning 450 McAllister Street, 5th Floor, CA 94102

Agency Contact Person: Jim McCormick Telephone: (415) 558-6394

Project Title: 92.503E: India Basin Shoreline Park and Open Space Project Contact Person:Deborah Learner

Project Address: Hunters Point Boulevard at Galvez St.

Assessor's Block(s) and Lot(s): 4598/5,16, 4605/6,7,9-20,22,23, 4622/6-8, 12-19, 4629A/3-6,9,11,13.

<u>City and County: San Francisco</u>

Establish a shoreline park at India Basin with two segments on either side of the India Basin Channel. One segment would consist of a shoreline park which would include a picnic area, pedestrian paths, half-court basketball court, fishing pier and small boat launching ramp. The other segment would consist of an open space area with landscaping and a shoreline trail with benches.

Duilding Permit Application Number, if Applicable: N/A, State Clearinghouse # 93071082

THIS PROJECT COULD NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT. This finding is based upon the criteria of the Guidelines of the State Secretary for Resources, Sections 15064 (Determining Significant Effect), 15065 (Mandatory Findings of Significance) and 15070 (Decision to Prepare a Negative Declaration), and the following reasons as documented in the Initial Evaluation (Initial Study) for the project, which is attached:

-Over-

Mitigation measures, if any, included in this project to avoid potentially significant effects:

Final Negative Declaration adopted and issued on <u>Selfigurate 23,1973</u>

In the independent judgement of the Department of City Planning, there is no substantial evidence that the project could have a significant effect on the environment.

BARBARA

Environmental Review Officer

cc: Robert Passmore Monica Jacobs Distribution List Deborah Learner, (Recreation and Parks) Martha Ketterrer (DPW) Kent Watson Pam Hollis, DPH Richard Lee, DPH Bulletin Board Master Decision File The proposed project is the creation of a shoreline park at India Basin and improvements to a public open space area south of the park site. Development of the site for park use would include grading and landscaping, addition of earth and gravel paths, picnic tables, benches, a service vehicle-turn around, rock retaining walls, addition of rip-rap for shoreline protection, a halfcourt basketball court, small boat launching ramp, and a dock and fishing pier (see Figure 1). It is expected that two portable toilets would be installed. No decision has been made as to whether fountains or other drinking water sources would be available. There would be approximately 45 parking spaces provided. These would be located on the southern boundary of the site along an extension of currently unimproved Hudson Avenue and along the road that accesses the boat launch.

The park site occupies an irregularly shaped 6.9 acre area between Hunters Point Boulevard and the San Francisco Bay. The sight lies within M-1 (Light Industrial) and M-2 (Heavy Industrial) zoning districts. Public park uses are principal permitted uses in these districts. The unimproved rights-of-way for Evans and Hudson Avenues, under the Department of Public Works jurisdiction, form the north and south boundaries of the park site, respectively. Access to the site would be via a currently unimproved extension of Galvez Avenue east from Hunters Point Boulevard. Hunters Point Boulevard in the project vicinity is a four lane avenue with free-flowing traffic and low traffic volumes. The open space site would receive limited improvements. The open space site would occupy a 4.5 acre area south of the park site, across India Basin Channel. Plans for the open space site are conceptual at this time. Generally, they would consist of plantings of new native vegetation and development of a pathway and bench seating areas. This area would consist of a relatively narrow 100-200 foot band of open space following the bay for approximately 2,000 feet. (See Figure 2)

The project would require approvals from several public agencies. Because the project would involve activities within 100 feet of the highest tidal action of the San Francisco Bay and would include placing of riprap along the shoreline, as described below, a permit would be required from the Bay Conservation and Development Commission (BCDCD) and from the Corp of Engineers. The project would also need approval of the San Francisco Port Commission because it lies partly within Port Commission jurisdiction. A building permit would be required from the Bureau of Building Inspection (BBI) for the proposed grading and road and pathways construction.

The park <u>site</u> slopes downward to the east towards the Bay. Site elevations range from approximately 45 feet down to sea level. The site consists of sandy and rocky beach at the shoreline, some open dirt surface, and a areas of voluntary grass and vegetation. There is a small peninsula shaped portion of the site extending into the bay which would be the location of the boat launch. Adjacent to each side of this peninsula is a small tidal marsh. There is various kinds of debris present on the site, although not in large amounts. There are discarded construction materials, including concrete and asphalt, assorted metallic debris, paper trash and some tires lying about the site. Squatters had been present on the site in the past but they have been evicted over the last three years. The open space site is a level area following the shoreline, similar in character to the park site.

The <u>surrounding</u> area includes the PG&E Hunters Point Power Plant immediately north of the project site, commercial and light industrial uses to the south, including two active boat repair facilities, and apartment buildings located to the west of the site. The apartment buildings are located on top of a hill across Hunters Point Boulevard and separated from the roadway by several hundred feet of undeveloped grassy hillside. The westerly edge of the site is bordered by a PG&E power line that lies within a 135 foot-wide right of way. Creation of the park would create a <u>visual</u> and recreational amenity for surrounding residents and visitors. It would improve the visual appearance of the site by changing a vacant undeveloped site with some exposed soil and scattered debris to a landscaped public park. The park would not have





Figure 2: VICINITY MAP

INDIA BASIN SHORELINE PARK. S.F.

lighting and thus would not generate any adverse light or glare effects on neighboring properties.

In order to estimate the likely level of <u>transportation</u> activity at the site, observations were made of comparable sites in the San Francisco area. As stated above, the project would include a boat-launch area. The site would have no other support facilities for boating uses, such as a marina. The boat launching area would be accessed by a single lane ramp at the end of a 540 foot long two-lane road with an approximate 11% grade. The site plan has been designed to accommodate only small car-top boats or lightweight trailers that could be easily maneuvered by hand and parked in a typical head-in parking space. No parking is provided to accommodate larger boats that require approximate double-length parking spaces. Nor could such vehicles easily maneuver on the roadway as proposed. Consequently, it is assumed that owners of full-sized boats would not utilize this facility.

It is not expected that the proposed project would generate a high level of overall activity or <u>traffic</u> and <u>parking</u> demand. The highest concentration of recreational activities that would occur at the site would likely take place on weekends, holidays and other periods such as early evenings that do not coincide with peak commute travel. A boat launch facility at Pier 52 at China Basin, similar to the proposed project, was examined to estimate the likely level of activity and traffic impacts that would be generated by the project. On a clear weekend day there were six vehicles parked at the China Basin site.<sup>1</sup>

The picnic and basketball areas would also draw users to the proposed facility. The basketball court would be expected to draw users from the immediate neighborhood. Many users could be expected to walk to the site. Given that the basketball facility would consist solely of an outdoor halfcourt play area, the number of users of the basketball court at any one time would be small.

There would be 10 separate or individual picnic tables spread throughout the site and two group picnic areas with approximately 8 tables each located near the basketball court in the southwest corner of the site. Use of the picnic areas also would occur at non-peak hours. Additionally, vehicle travel to and from the picnic facilities would not be likely to arrive in a concentrated peak but rather spread over generalized arrival and departure periods for several hours in the morning and afternoon. As stated, Hunters Point Boulevard has free-flowing traffic at the project vicinity. Use of the project site for the proposed park uses would not substantially affect traffic levels or level of service on Hunters Point Boulevard.

As mentioned, there would be approximately 45 parking spaces on the site. This would be likely to accommodate demand at the site for most time periods. Should there be maximum utilization of all available uses at one time, excess parking demand, if any, could be accommodated on-street along Hunters Point Boulevard.

The project is not located near any sensitive <u>noise</u> receptors. As discussed, there is a PG&E power plant located immediately north of the site and active small-scale boat repair facilities located to the south. The nearest housing to the site is several hundred feet to the west across Hunters Point Boulevard. The three principal activities at the site, picnicking, basketball and boating would not generate sustained high noise levels. The park will not be lighted and thus there would be no activity in the nighttime hours.

<sup>1</sup> 

Letter from Kent Watson to Jim McCormick, Department of City Planning, February 8, 1993, available in the case file.

Existing noise levels could impact the park to some extent. Noise from the power plant and boat repair facilities would be audible in the park. However, field visits to the site during the day indicate that the noise levels at the site would not be obtrusive. Ordinary conversations can be conducted at the site with no interference from these noise sources. They would be experienced as distant background sound that would not interfere with ordinary park activities.

An analysis of potential impacts on <u>biologic resources</u> at the site was conducted by a biologic consultant, <u>Michael Marangio.</u><sup>2</sup> This analysis found that most of the site was originally part of the San Francisco Bay and was formed by deposits of fill. The original terrestrial habitat on the western uphill portions of the site was likely to have been Coastal Salt Marsh or mud flats. The site consists primarily of previously disturbed areas as a result of the introduction of fill and the invasion of non-native weedy plant species. There are a variety of plant and animal species present at the site. However, because of the disturbed nature of the site, no special status plant or animal species would be expected and none were observed at the site.

There are two small Coastal Salt Marsh areas on each side of the peninsula that would be the location of the boat launch. If improperly designed, the project could adversely impact these areas. Alternatively, the project could conserve and enhance the marsh habitat through protective design and appropriate landscaping. Recommendations to enhance the marsh habitat were included in the Marangio study. Additional comments and recommendations on the Recreation and Park proposal, particularly regarding protection of the salt marshes, were submitted by the Save the San Francisco Bay Foundation.<sup>3</sup> Generally, the recommendations in both documents consist of steps to minimize disruption of the marsh habitat during park development, and augmentation of the marsh through proper landscaping including planting of appropriate coastal marsh plant species. Specific proposals include: fencing areas to be protected during clean up of debris on the site, fencing and implementation of other erosion control measures during grading and construction, elimination of invasive non-native plant species, buffering/separation of the marsh areas from areas of human activity by physical separations such as small bushes and/or distance separating designated areas of activity, e.g. paths and boat launch from the marshes. The sponsor has agreed to fence and mark marsh areas during construction and debris removal activities. The project design has established separation of human activity from the marsh area and minimized paved surfaces to enhance and protect the natural areas on-site. In addition the sponsor has agreed to develop a landscaping plan to further enhance the long-term protection and growth of the natural habitat and to minimize erosion and siltation into San Francisco Bay. (See Mitigation Measure 1.)

The PG&E power plant north of the project site has a 115 kV power line serving the facility which is located immediately adjacent to the park boundary. (See Figure 1). This power line transitions from above ground to below ground next to the area currently designated as the basketball court. The transition site is fenced for security and safety reasons. Heavy equipment access to this site is needed on occasion. The project sponsor would need to insure continued access for this purpose. Additionally, PG&E has requested that

<sup>&</sup>lt;sup>2</sup> Michael S. Marangio, Biological Consulting Services, Letter of May 29, 1992 to Kent Watson, available in the case file.

<sup>&</sup>lt;sup>3</sup> Comments from the Save the Bay Foundation are contained in three documents, India Basin Project, Initial Comments, June 2, 1992, Prepared by Robert M. Lucas; Letter of July 2, 1992 form Robert Lucas to Phil Arnold, Recreation and Park Department, Letter of October 8, 1992 to Jim McCormick of the Department of City Planning.

plantings around the power line transition site be low to maintain safe clearance with the power lines and allow for visual inspections of the security fencing surrounding the transition site. The sponsor has agreed to include measures to comply with this request. (See mitigation measure 1).

Flows of electricity generate <u>electro-magnetic fields</u> (EMF). Therefore, electrical equipment, such as the transmission line adjacent to the project site, generate EMFs. The San Francisco Department of Public Health (SFDPH) has taken measurements of magnetic fields at the project site in response to neighborhood concerns expressed previously about potential expansion of the PG&E Hunter's Point power plant.<sup>4</sup> Measurements at the site are in the 5-10 milligauss range which is higher than anticipated background levels which would be expected to have a reading in the 0-2 milligauss range. It should be noted that all electrical equipment while in operation generates EMFs. Thus, all household appliances generate EMFs. Further, EMFs diminish rapidly with distance from the source. For example, a clothes dryer at four inches generates approximately 5 to 110 milligauss, from 1.5 to 29 milligauss at one foot and less than 0.1 to 1 milligauss at three feet. Comparable figures for a television are 5 to 100 milligauss at four inches, 0.4 to 20 milligauss at one foot and less than 0.1 to 1.5 milligauss at three feet.<sup>5</sup>

A number of scientific studies have been conducted recently to determine if there is a correlation between EMFs and adverse health effects, notably cancer rates. Some of the studies suggest that a correlation exists. Other similar studies have failed to establish a correlation. The potential for a link between EMFs and adverse health effects is generating additional scientific research on the issue. Studies thus far have not established a causal link between EMFs and cancer or other adverse health effects. Therefore, there has been no scientific basis to establish Federal, State or local standards regarding exposure levels to EMFs. While it is not known with certainty at this time if there is any health risk associated with location of human activity near electrical equipment or power sources, the apparent statistical link between exposure and occurrences of illness identified in some of these studies suggests that caution should be exercised when dealing with human exposure to EMFs. It is important to note that park users would not spend large amounts of time in the presence of EMFs at this location as compared to time spent at home or in the workplace when EMFs are present. There is no basis at this time for determining if exposure to EMFs would or would not constitute a potentially significant physical impact on human beings.

The proposed park site was once made up of several privately owned parcels. Environmental assessments were conducted at the each of these sites previously to determine if hazardous wastes might be present.<sup>6</sup> These studies included

- <sup>4</sup> Telephone communication with Richard Lee, San Francisco Department of Public Health, April 1, 1993.
- <sup>5</sup> <u>Electric and Magnetic Fields: Measurements and Possible Effects on</u> <u>Human Health, What we know. What we don't know in 1990</u>. Special Epidemiological Studies Program, California Department of Health Services.
- <sup>6</sup> East India Basin Land Acquisition, ERM-West, October 22, 1987 (Galvez Bay Parcel); Preliminary Site Assessment of McGarvey Property/India Basin, Crosby and Overton, Inc. (approximately June 1989); Preliminary Site Assessment of Stone Property/India Basin, (approximately August 1989); Preliminary Site Assessment of Kosewic Property/India Basin, (approximately December 1990); East India Basin Business Park, ERM-West, October 22, 1987 (Ferrari Parcel). These studies are available for review at the Department of City Planning, 450 McAllister Street as part of the project file.

site observations and soil borings and testing. The San Francisco Department of Public Health reviewed these reports as part of the acquisition process by the City of San Francisco. These reports identified the presence of certain potentially hazardous materials in elevated concentrations, occasionally exceeding established standards. <sup>2</sup> Contaminants identified on one or more of the parcels included: lead, nickel, Total Oils and Grease (TOG), cyanide and soil pH.

A subsequent technical review of the prior studies was performed by a separate environmental consultant, PES Environmental Inc., to evaluate the need for future environmental investigation prior to development of the properties for the proposed park use.<sup>7</sup> This report concluded that, with two exceptions, the levels of materials found on the proposed park parcels are either not sufficient to be considered a threat to human health and environment in any event, or in the case of elevated nickel concentrations, not a concern given that site users would not have the potential for long-term and consistent exposure. It should be noted that some of the elevated measured values reflect the presence of contaminants in materials that do not otherwise present a public health hazard. For example, elevated TOG readings probably reflect the presence of asphalt in fill materials. Elevated nickel concentrations likely reflect the presence of serpentine in the soil. In neither case does the presence of these materials present a public health hazard. The two exceptions cited were a slag heap on the Galvez Street right-of-way and oily soil on the southern boundary of the portion of the site referred to as the Stone Parcel.

The San Francisco Department of Public Health has reviewed the PES study and generally agrees with their findings, including the determination that further work is needed for the Galvez Street right-of way and the Stone parcel. The DPH concurrence with the PES study is conditioned on certain elements of park design remaining as they are now proposed and understood by the DPH, specifically: little or no excavation, except what is needed to grade and create limited vehicular access; landscaping which requires minimal maintenance and low water usage; minimal tree planting, e.g shallow root system plantings.

The slag heap on the Galvez Street right-of-way is the result of dumping of materials on the site by a company that formerly occupied an adjacent site and is no longer in business at this location. The city of San Francisco is currently in the process of taking legal action to require this party to remove the material from Galvez Street in accordance with all applicable hazardous waste regulations. This portion of the site would not be included in the park development until removal/remediation has been completed by the responsible party. Remediation would include complete removal of the waste with confirmatory sampling and a certification report. This action is being undertaken by the City of San Francisco through its City Attorney's office and DPW in consultation with DPH. (See Mitigation Measure 2)

The oily concentration on the Stone Parcel is at the border of the park development site. It is located on an area that would be used as a roadway at the park's southern boundary, adjacent to proposed parking spaces. Similar to the Galvez Street situation, it is assumed that the foreign substances on this parcel were placed there by adjacent property owners or hauled to the site and dumped by other parties. If it can be established that the material is the responsibility of a specific third party, the City would pursue requiring that the material be removed in a manner comparable to the slag heap on Galvez Street, i.e. complete removal of the material with confirmatory sampling and a certification report. If it cannot be established what non-public entity is

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PES Environmental Inc., Results of Technical Review of Environmental Reports India Basin Shoreline Park, San Francisco, CA., contained in letter to Kent Watson, September 2, 1992.

responsible for the material, the City would have to remove it. The City, through the Bureau of Environmental Management, has an "as needed" contract for removal of hazardous wastes. Should the City remove the waste material, the procedure would be overseen by the Bureau of Environmental Management in consultation with the DPH.

There is a potential for exposure to contaminants during earth moving work at the site. The sponsor does not intend to conduct extensive cut and removal operations during grading and landscaping. The sponsor would be bringing fill to the site to aid in grading and landscaping operations. Little or no soil would be removed from the site. The sponsor has agreed to measures which identify steps to be taken during grading activities to prevent exposure of workers to hazardous substances. These include actions to minimize dust and development of a health and safety plan to be utilized during earth moving activities.

The City has adopted an ordinance (Ordinance 253-86, signed by the Mayor on June 27, 1986) which requires analyzing soil for <u>hazardous wastes</u> within specified areas when over 50 cubic yards of soil is to be disturbed and on sites specifically designated by the Director of Public Works. The ordinance specifically includes sites, such as the project site, which are bayward of the high tide line (as shown on maps available from the Department of Public Works (DPW)). As indicated by the discussion above, analysis of the soil on site for hazardous waste has already been undertaken and the principal safety measures have been identified, as described in this document.

Excavation and grading activity would temporarily raise dust levels in the area, but not to a level that would have significant impacts upon <u>air quality</u>, given the dust control measures included in Mitigation Measure 4.

The project would include minor construction into San Francisco Bay in the form of footings for the proposed fishing pier and boat launch. Also, approximately 10,000 square feet of riprap would be installed at the waters edge for shoreline protection. While these activities would temporarily increase turbidity in water at the park's edge, it would not be expected to substantially impact water quality in the short-term. In the long term, shoreline stabilization should enhance localized water quality through reduced erosion and sedimentation into the Bay from the project site. PG&E has expressed a concern, by letter, that any increased turbidity in Bay water could flow into the electric plant's cooling water intake system creating problems for plant operation and maintenance. The mitigation measures agreed to by the sponsor to minimize erosion and sedimentation into the Bay would minimize potential impacts on the PG&E facility.

The project would generate some stormwater runoff into the San Francisco Bay from the entrance road, parking areas and boat launch ramp. Stormwater runoff into the bay is regulated by the Regional Water Quality Control Board (RWQCB). The Board was notified of the proposed project and indicated that the project is below their permitting threshold because the developed area of the park would be less than five acres.<sup>6</sup> The project would pave a very limited amount of space relative to park area. Further, the project would include landscaping throughout the site where there is now exposed soil in several locations. Thus, the increase in stormwater runoff to the Bay, if any, would be negligible.

While local concerns or other planning considerations may be grounds for modification or denial of the proposal, in the independent judgement of the

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Letter from Wil Bruhns, Senior Engineer, California Regional Water Quality Control Board, San Francisco Bay Region, November 13, 1992, available in the project file.

Department of City Planning, there is no substantial evidence that the project could have a significant effect on the environment.

#### Mitigation Measures

- 1. The sponsor would fence and mark marsh areas during construction and debris removal activities. Prior to issuance of a grading or building permit, a landscaping plan would be developed by a licensed landscape architect would be submitted to the Department of City Planning for approval. The plan would provide for the elimination of non-native plant species and new landscaping with species native to San Francisco including planting of appropriate coastal marsh plant species. The plan would provide that plantings around the power line transition site be low to maintain safe clearance with the power lines and allow for visual inspections of the security fencing surrounding the power line transition site. The plan would also specify sedimentation and erosion control measures to minimize run-off of soils into the Bay. The landscape architect would consult with the California Native Plant Society for input into the landscaping design prior to submittal.
- 2. Prior to inclusion of the Galvez Street right-of-way in park development, the Recreation and Park Department will request that the Department of Public Works, in coordination with the Bureau of Environmental Management and the Department of Public Health (DPH), would have the slag heap at this location removed by a professional qualified to handle and dispose of hazardous wastes. Subsequent to removal, the area would be sampled to verify there is no remaining materials that would constitute a hazard and certification to that affect would be submitted to the Department of City Planning and DPH.
- 3. A survey would be performed to identify whether the oily soil on the southern boundary of the Stone parcel, as identified in the Crosby and Overton report, falls within the area proposed for development as a park. Prior to any development of this area, if the party responsible for the presence of hazardous wastes at this site can be determined, the City would require that party to remove the waste. Subsequent to removal, the area would be sampled to verify there is no remaining materials that would constitute a hazard and certification to that affect would be submitted to the Department of City Planning and DPH. If no responsible party can be identified, the City would remove the waste and provide for subsequent confirmatory sampling and certification as provided in Mitigation Measure 1 above.
- 4. In order to prevent exposure of workers to hazardous substances, the project sponsor would include in the specifications of the development contract that:
  - the contractor would implement strict dust control using a misting attachment on the watering trucks (of non-potable water)
  - o if and when soils are stock-piled, the soils would be sprayed and a "binding agent" would be added to the water to create a "crust" of upper soils
  - o a health and safety plan would be developed for earth moving activities that would, at a minimum, identify:

all potential hazards, both physical and chemical; personal protective equipment that is available when warranted; contingency measures if contamination is discovered; and notification procedures for all levels of personnel and responsibility of same for when unusual conditions are discovered.

# ENVIRONMENTAL EVALUATION CHECKLIST (Initial Study)

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File No: 93: 503E Title: East Fudia Busin Skorchine Park and	d Grow S	per	
Street Address: Harter Point Blud of Galacz & Assessor's Block/Lot:	4598/5	16 4605	16, 7, 9-20, 20, 23 629A/3-6, 9, 11, 13
Initial Study Prepared by: <u>Jim McCormick</u>	10-4 6-8	4 c <sup>47-61</sup>	6294/3-6,9,11,13
A. COMPATIBILITY WITH EXISTING ZONING AND PLANS	Not App		Discussed
<ol> <li>Discuss any variances, special authorizations, or changes posed to the City Planning Code or Zoning Map, if applica</li> </ol>	pro- ble.		$\mathbf{X}$
*2) Discuss any conflicts with any adopted environmental plans and goals of the City or Region, if applicable.		$\preceq$	
B. ENVIRONMENTAL EFFECTS - Could the project:			
1) Land Use	YES	NO	DISCUSSED
<ul> <li>*(a) Disrupt or divide the physical arrangement of an established community?</li> <li>*(b) Have any substantial impact upon the existing character of the vicinity?</li> </ul>		×	·
2) <u>Visual Ouality</u>			
<ul> <li>*(a) Have a substantial, demonstrable negative aesthetic effect?</li> <li>(b) Substantially degrade or obstruct any scenic view or vista now observed from public areas?</li> <li>(c) Generate obtrusive light or glare substantially impacting other properties?</li> </ul>		× × ×	
3) Population			
<ul> <li>*(a) Induce substantial growth or concentration of population?</li> <li>*(b) Displace a large number of people (involving either housing or employment)?</li> <li>(c) Create a substantial demand for additional housing in San Francisco, or substantially reduce the housing supply?</li> </ul>		$\stackrel{\times}{\star}$	
4) <u>Transportation/Circulation</u>			
<ul> <li>*(a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system?</li> <li>(b) Interfere with existing transportation systems, causing substantial alterations to circulation patterns or major traffic hazards?</li> </ul>		<u>×</u>	<del>***</del>
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\* Derived from State EIR Guidelines, Appendix G, normally significant effect.

			YES	NO	DISCUSSED
	(c)	Cause a substantial increase in transit demand which cannot be accommodated by existing or proposed transit capacity?		X	
	(d)	Cause a substantial increase in parking demand which cannot be accommodated by existing parking facilities?			
5	) <u>No</u>	ise			
		Increase substantially the ambient noise levels for adjoining areas? Violate Title 24 Noise Insulation Standards, 1f			<u>×</u>
		applicable? Be substantially impacted by existing noise levels?		. <u> </u>	×
٤١				7	
0)		Duality/Climate			
	-(9) 	Violate any ambient air quality standard or contribute substantially to an existing or projected air quality violation?			
	*(b)	Expose sensitive receptors to substantial pollutant concentrations?		×	
	(c)	Permeate its vicinity with objectionable odors?		⊥ ×	
	(0)	Alter wind, moisture or temperature (including sun shading effects) so as to substantially affect public areas, or change the climate either in the community or region?		, X	
		·		4	<u> </u>
1)	*(a)	ities/Public Services Breach published national, state or local standards relating to solid waste or litter control? Extend a sewer trunk line with capacity to serve new		X	<u> </u>
		development?		×	
		Substantially increase demand for schools, recreation or other public facilities?		_ <u>×</u>	
	(d)	Require major expansion of power, water, or communica- tions facilities?		×	
8)	Biolo			<u>/</u> _	
07		Substantially affect a rare or endangered species of			
	*(b)	animal or plant or the habitat of the species? Substantially diminish habitat for fish, wildlife or plants, or interfere substantially with the movement		×	<u>×</u>
	(c)	of any resident or migratory fish or wildlife species? Require removal of substantial numbers of mature,		×	
		scenic trees?	<u>´</u>	<u>_×</u>	-
9)	Geolc	gy/Topography			
		Expose people or structures to major geologic hazards (slides, subsidence, erosion and liquefaction). Change substantially the topography or any unique		×	. <u>alan (arrit) (a-</u>
		geologic or physical features of the site?		×	

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	10) <u>Wa</u>	ter				
	*(a)	Substantially degrade water quality, or contaminate a public water supply? Substantially degrade or deplete ground water re-		¥	<del></del>	×
		sources, or interfere substantially with ground water recharge?		X	-	
	*(C)	Cause substantial flooding, erosion or siltation?		<u>~</u>		$\overline{}$
	*(a)	<u>gy/Natural Resources</u> Encourage activities which result in the use of large amounts of fuel, water, or energy, or use these in a wasteful manner?		<u>_X</u> _	_	
	(b)	Have a substantial effect on the potential use, extraction, or depletion of a natural resource?		<u>_</u> ×	-	
	12) Haza	rde				
		Create a potential public health hazard or involve the use, production or disposal of materials which pose a hazard to people or animal or plant populations in the area affected?		$\times$		×
	*(b)	Interfere with emergency response plans or emergency		×	-	7
	(c)	evacuation plans? Create a potentially substantial fire hazard?	 	× ×	-	
13		<u>ural</u> Disrupt or adversely affect a prehistoric or historic archaeological site or a property of historic or cultural significance to a community or ethnic or social group; or a paleontological site except as a				
		part of a scientific study?		X	-	
	(b)	Conflict with established recreational, educational, religious or scientific uses of the area?		X		
	(c)	Conflict with the preservation of buildings subject to the provisions of Article 10 or			•	
		Article 11 of the City Planning Code?		·Y	-	
c.	OTHER		<u>YES</u>	NO	DISC	USSED -
	Depai	ire approval and/or permits from City Departments other t tment of City Planning or Bureau of Building Inspection,				
	or fi	rom Regional, State or Federal Agencies?	$\stackrel{\scriptstyle \times}{\sim}$	—	×	
D.	MITIGATI	ION MEASURES	YES	<u>NO</u>	<u>n/a</u>	DISCUSSED
		d the project have significant effects if mitigation ures are not included in the project?	$\stackrel{\scriptstyle \scriptstyle \times}{\succ}$			×
		all mitigation measures necessary to eliminate ficant effects included in the project? -3-	<u>×</u>		•••••	<u></u>

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### E. MANDATORY FINDINGS OF SIGNIFICANCE

- \*1) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or pre-history?
- \*2) Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals?
- \*3) Does the project have possible environmental effects which are individually limited, but cumulatively considerable? (Analyze in the light of past projects, other current projects, and probable future projects.)
- \*4) Would the project cause substantial adverse effects on human beings, either directly or indirectly?
- F. ON THE BASIS OF THIS INITIAL STUDY
- I find the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared by the Department of City Planning.
- I find that although the proposed project could have a significant effect on the environment, there WILL NOT be a significant effect in this case because the mitigation measures, numbers 2-4/2, in the discussion have been included as part of the proposed project. A NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

Barliara W. Sach M

BARBARA W. SAHM Environmental Review Officer for

LUCIAN R. BLAZEJ Director of Planning

DATE:

BWS:0ER/23/4-13-92

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