

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

#### **State- and tribal - equivalent CERCLIS**

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/03/2015 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ST HELENA PETROLEUM</b> Facility Id: 28290001 Status: Refer: Other Agency	<b>905 MAIN ST</b>	<b>SW 1/4 - 1/2 (0.411 mi.)</b>	<b>4</b>	<b>13</b>
<b>PG&amp;E ST. HELENA</b> Facility Id: 28490002 Status: Active	<b>1301-1302 MITCHELL D</b>	<b>WSW 1/4 - 1/2 (0.481 mi.)</b>	<b>D15</b>	<b>37</b>

#### **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 10/21/2015 has revealed that there are 13 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MARKLEY COVE RESORT</b> Global Id: T0605500305 Status: Completed - Case Closed Status: Case Closed	<b>7521 HWY 128</b>	<b>SW 1/4 - 1/2 (0.287 mi.)</b>	<b>1</b>	<b>8</b>
<b>PRIVATE RESIDENCE</b> Global Id: T0605500016 Status: Completed - Case Closed	<b>PRIVATE RESIDENCE</b>	<b>SSW 1/4 - 1/2 (0.385 mi.)</b>	<b>2</b>	<b>9</b>
<b>HEUBLEIN FINE WINE G</b> Global Id: T0605500064 date9: 10/3/1995 Status: Completed - Case Closed Facility Id: 28-0068 Facility Status: Case Closed	<b>8215 ST HELENA HWY</b>	<b>WSW 1/4 - 1/2 (0.410 mi.)</b>	<b>3</b>	<b>11</b>
<b>ST HELENA PETROLEUM</b>	<b>905 MAIN ST</b>	<b>SW 1/4 - 1/2 (0.411 mi.)</b>	<b>4</b>	<b>13</b>

<b>EXECUTIVE SUMMARY</b>
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<p>Global Id: T0605500109  Status: Closed  Permit ID: 4744  date9: 5/29/1997  Status: Completed - Case Closed  Facility Id: 28-0117  Facility Status: Case Closed</p>				
<p><b>ST HELENA PETROLEUM</b>  Global Id: T0605500182  date9: 5/29/1997  Status: Completed - Case Closed  Facility Id: 28-0201  Facility Status: Case Closed</p>	<b>929 MAIN ST</b>	<b>SW 1/4 - 1/2 (0.420 mi.)</b>	<b>5</b>	<b>16</b>
<p><b>BELLANI RESIDENCE</b>  Status: Closed  Permit ID: 4657</p>	<b>738 MAIN ST</b>	<b>SSW 1/4 - 1/2 (0.431 mi.)</b>	<b>A6</b>	<b>17</b>
<p><b>BELLANI RESIDENCE</b>  date9: 6/24/1997  Facility Id: 28-0017  Facility Status: Case Closed</p>	<b>738 MAIN ST</b>	<b>SSW 1/4 - 1/2 (0.431 mi.)</b>	<b>A7</b>	<b>18</b>
<p><b>VCS #5</b>  Global Id: T0605500168  Status: Open  Permit ID: 10015  Status: Open - Eligible for Closure  Facility Id: 28-0186  Facility Status: Remedial action (cleanup) Underway</p>	<b>1108 MAIN ST</b>	<b>WSW 1/4 - 1/2 (0.438 mi.)</b>	<b>B8</b>	<b>18</b>
<p><b>CORNER OF MITCHELL A</b>  Status: Closed  Permit ID: 4576</p>	<b>MITCHELL DR SAINT</b>	<b>WSW 1/4 - 1/2 (0.444 mi.)</b>	<b>9</b>	<b>25</b>
<p><b>SAINT HELENA PLAZA</b>  Global Id: T10000000393  Status: Closed  Permit ID: 4547  Status: Completed - Case Closed</p>	<b>1136 MAIN ST</b>	<b>WSW 1/4 - 1/2 (0.449 mi.)</b>	<b>B11</b>	<b>26</b>
<p><b>LIDENT CORPORATION</b>  Global Id: T0605500188  Status: Closed  Permit ID: 4769  date9: 9/2/1993  Status: Completed - Case Closed  Facility Id: 28-0208  Facility Status: Case Closed</p>	<b>899 DOWDELL LN</b>	<b>SSE 1/4 - 1/2 (0.461 mi.)</b>	<b>12</b>	<b>28</b>
<p><b>NAPA VALLEY PETROLEU</b>  Global Id: T0605500061  Status: Completed - Case Closed  Facility Id: 28-0064  Facility Status: Pollution Characterization</p>	<b>1153 MAIN ST</b>	<b>WSW 1/4 - 1/2 (0.461 mi.)</b>	<b>C13</b>	<b>30</b>
<p><b>ST. HELENA PETROLEUM</b>  Status: Open  Permit ID: 10005</p>	<b>1153 MAIN ST</b>	<b>WSW 1/4 - 1/2 (0.461 mi.)</b>	<b>C14</b>	<b>34</b>

## EXECUTIVE SUMMARY

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

A review of the SLIC list, as provided by EDR, and dated 10/21/2015 has revealed that there are 2 SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NOBLE PROPERTIES Facility Status: Completed - Case Closed Global Id: SL0605588535 Global Id: T10000000217	1132 MAIN STREET	WSW 1/4 - 1/2 (0.447 mi.)	B10	25
ST. HELENA PG & E Facility Status: Open - Remediation Global Id: SL0605518541	MITCHELL DRIVE AND O	WSW 1/4 - 1/2 (0.490 mi.)	D16	55

### ***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 08/03/2015 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>PG&amp;E ST. HELENA</i></b> Status: Active Facility Id: 28490002	<b><i>1301-1302 MITCHELL D</i></b>	<b><i>WSW 1/4 - 1/2 (0.481 mi.)</i></b>	<b><i>D15</i></b>	<b><i>37</i></b>

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Other Ascertainable Records***

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 [CALSTATES]. 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 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>HEUBLEIN FINE WINE G</i></b> Reg Id: 28-0068	<b><i>8215 ST HELENA HWY</i></b>	<b><i>WSW 1/4 - 1/2 (0.410 mi.)</i></b>	<b><i>3</i></b>	<b><i>11</i></b>
<b><i>ST HELENA PETROLEUM</i></b> Reg Id: 28-0117	<b><i>905 MAIN ST</i></b>	<b><i>SW 1/4 - 1/2 (0.411 mi.)</i></b>	<b><i>4</i></b>	<b><i>13</i></b>
<b><i>ST HELENA PETROLEUM</i></b> Reg Id: 28-0201	<b><i>929 MAIN ST</i></b>	<b><i>SW 1/4 - 1/2 (0.420 mi.)</i></b>	<b><i>5</i></b>	<b><i>16</i></b>
<b><i>BELLANI RESIDENCE</i></b>	<b><i>738 MAIN ST</i></b>	<b><i>SSW 1/4 - 1/2 (0.431 mi.)</i></b>	<b><i>A7</i></b>	<b><i>18</i></b>

## EXECUTIVE SUMMARY

Reg Id: 28-0017				
<b>VCS #5</b>	<b>1108 MAIN ST</b>	<b>WSW 1/4 - 1/2 (0.438 mi.)</b>	<b>B8</b>	<b>18</b>
Reg Id: 28-0186				
<b>LIDENT CORPORATION</b>	<b>899 DOWDELL LN</b>	<b>SSE 1/4 - 1/2 (0.461 mi.)</b>	<b>12</b>	<b>28</b>
Reg Id: 28-0208				
<b>NAPA VALLEY PETROLEU</b>	<b>1153 MAIN ST</b>	<b>WSW 1/4 - 1/2 (0.461 mi.)</b>	<b>C13</b>	<b>30</b>
Reg Id: 28-0064				

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP: 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.

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PG AND E ST HELENA	MITCHELL DR AND OAK	WSW 1/4 - 1/2 (0.493 mi.)	D17	55

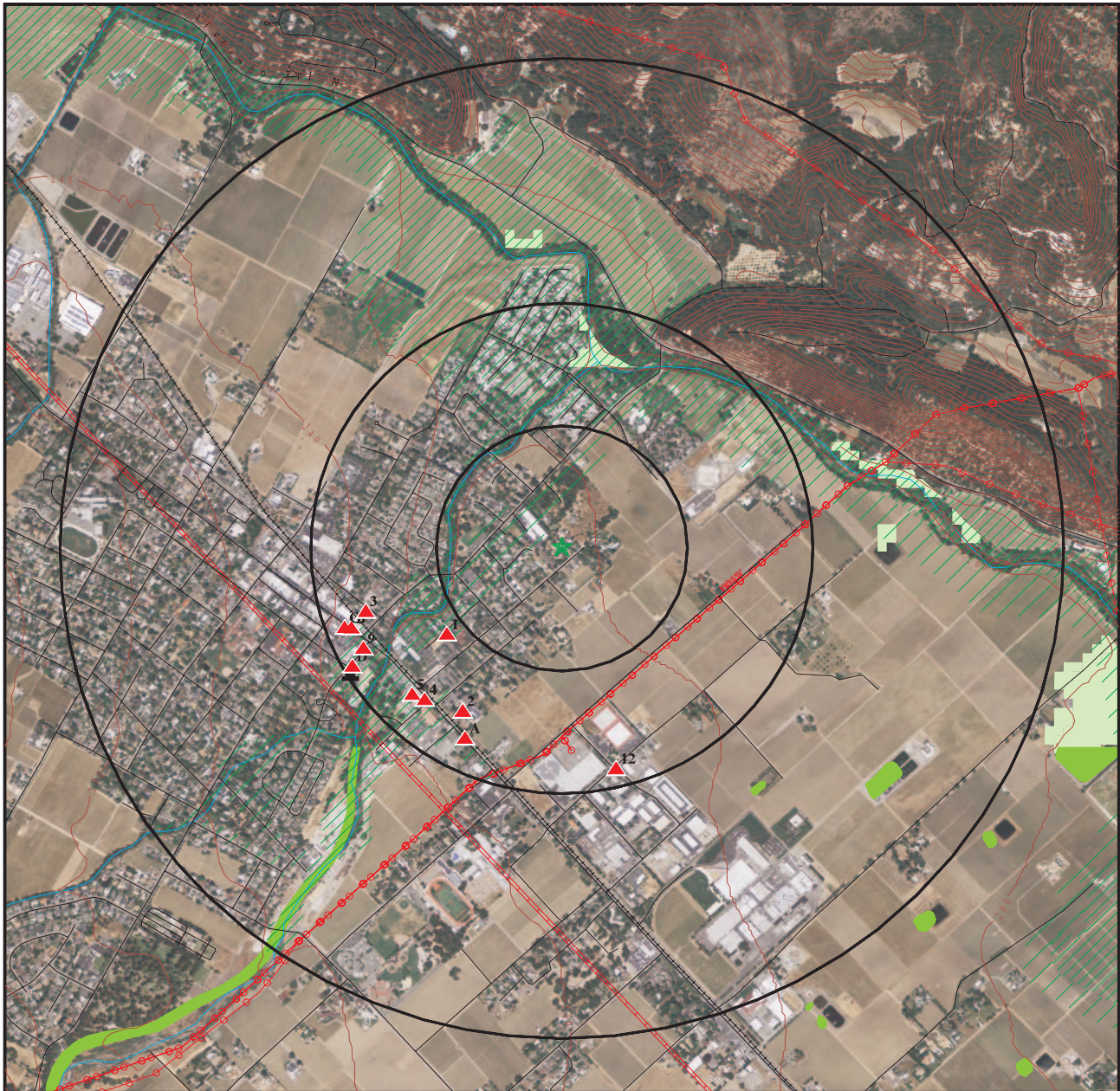


**EXECUTIVE SUMMARY**

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

<u>Site Name</u>	<u>Database(s)</u>
PG&E GAS PLANT ST HELENA	CERCLIS-NFRAP

OVERVIEW MAP - 4494042.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- ▲ Power transmission lines
- ▲ Pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

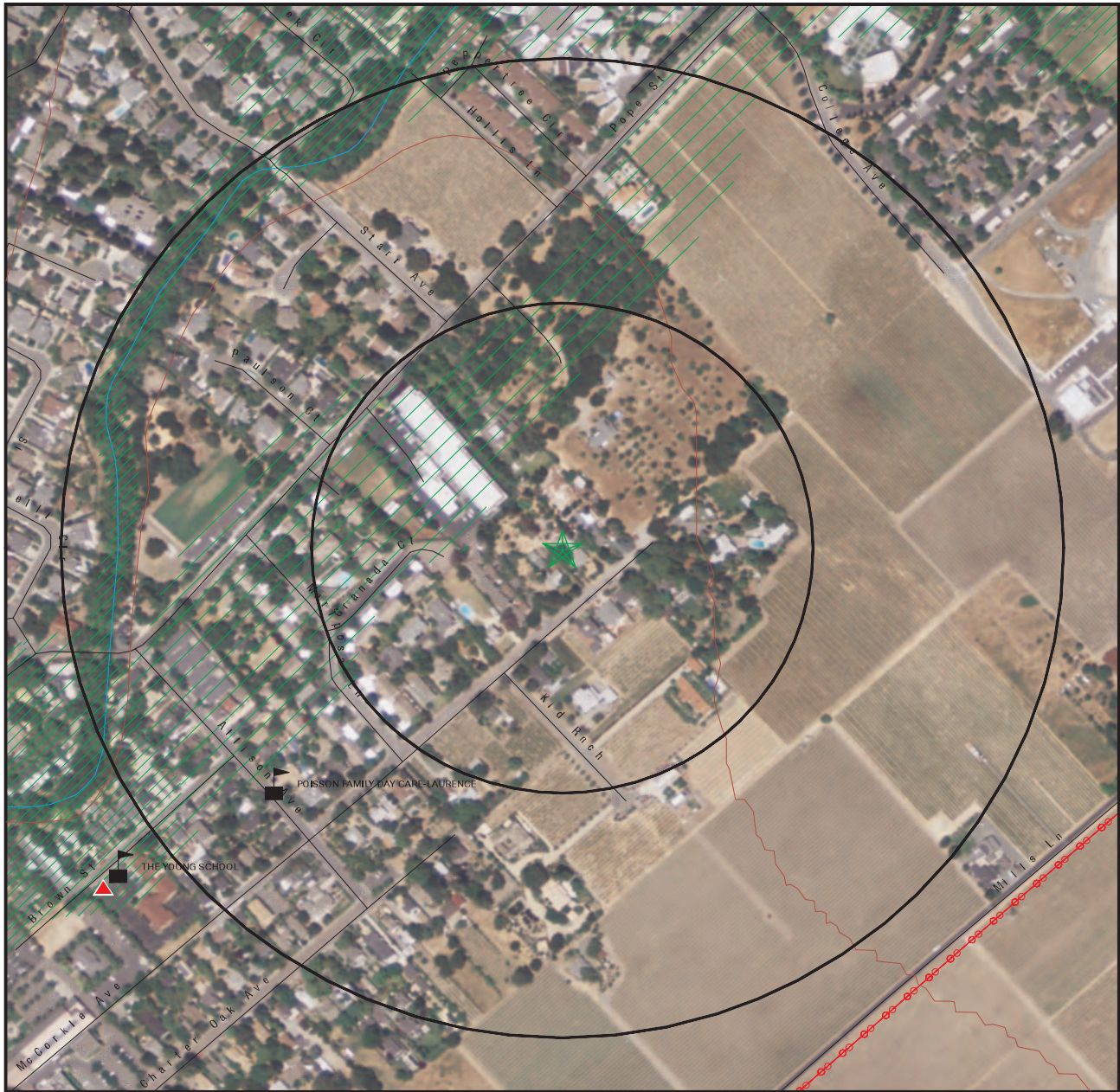
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: McCorkle Avenue Property                  ADDRESS: 632 McCorkle Avenue                  Saint Helena CA 94574                  LAT/LONG: 38.5058 / 122.4595</p>	<p>CLIENT: EBA Engineering                  CONTACT: Matthew Earnshaw                  INQUIRY #: 4494042.2s                  DATE: December 16, 2015 12:52 pm</p>
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DETAIL MAP - 4494042.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- 🏠 Sensitive Receptors
- 🚧 National Priority List Sites
- 🏢 Dept. Defense Sites
- 🏠 Indian Reservations BIA
- ⚡ Power transmission lines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🔴 Areas of Concern

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

<p>SITE NAME: McCorkle Avenue Property                  ADDRESS: 632 McCorkle Avenue                  Saint Helena CA 94574                  LAT/LONG: 38.5058 / 122.4595</p>	<p>CLIENT: EBA Engineering                  CONTACT: Matthew Earnshaw                  INQUIRY #: 4494042.2s                  DATE: December 16, 2015 12:53 pm</p>
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<b>MAP FINDINGS SUMMARY</b>
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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERCLIS-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	1.000		0	0	2	0	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	13	NR	NR	13

## MAP FINDINGS SUMMARY

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

<b>MAP FINDINGS SUMMARY</b>
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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	7	NR	NR	7
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	1	0	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	26	0	0	26

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
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<b>1</b> <b>SW</b> <b>1/4-1/2</b> <b>0.287 mi.</b> <b>1515 ft.</b>	<b>MARKLEY COVE RESORT</b> <b>7521 HWY 128</b> <b>MARKLEY COVE, CA 94574</b>	<b>LUST</b>	<b>S102433022</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>  <b>Actual:</b> <b>224 ft.</b>	LUST: Region: STATE Global Id: T0605500305 Latitude: 38.5032888 Longitude: -122.463721 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 09/07/1993 Lead Agency: NAPA COUNTY LOP Case Worker: ZZZ Local Agency: NAPA COUNTY LOP RB Case Number: 280012 LOC Case Number: NAPA0344 File Location: Local Agency Potential Media Affect: Other Groundwater (uses other than drinking water) Potential Contaminants of Concern: Gasoline Site History: Not reported
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[Click here to access the California GeoTracker records for this facility:](#)

Contact:	Global Id: T0605500305 Contact Type: Local Agency Caseworker Contact Name: UST CASE WORKER Organization Name: NAPA COUNTY LOP Address: 1195 THIRD ST., ROOM 101 City: NAPA Email: Not reported Phone Number: 7072534269
	Global Id: T0605500305 Contact Type: Regional Board Caseworker Contact Name: VERA FISCHER Organization Name: CENTRAL VALLEY RWQCB (REGION 5S) Address: 11020 SUN CENTER DRIVE #200 City: RANCHO CORDOVA Email: vera.fischer@waterboards.ca.gov Phone Number: Not reported

Status History:	Global Id: T0605500305 Status: Completed - Case Closed Status Date: 09/07/1993
	Global Id: T0605500305 Status: Open - Case Begin Date Status Date: 09/30/1991
	Global Id: T0605500305 Status: Open - Site Assessment Status Date: 09/30/1991



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**MARKLEY COVE RESORT (Continued)**

**S102433022**

Regulatory Activities:

Global Id:	T0605500305
Action Type:	Other
Date:	09/30/1991
Action:	Leak Stopped
Global Id:	T0605500305
Action Type:	Other
Date:	09/30/1991
Action:	Leak Discovery
Global Id:	T0605500305
Action Type:	Other
Date:	11/06/1991
Action:	Leak Reported

LUST REG 5:

Region:	5
Status:	Case Closed
Case Number:	280012
Case Type:	Other ground water affected
Substance:	GASOLINE
Staff Initials:	VJF
Lead Agency:	Local
Program:	LUST
MTBE Code:	N/A

**2**  
**SSW**  
**1/4-1/2**  
**0.385 mi.**  
**2032 ft.**

**PRIVATE RESIDENCE**  
**PRIVATE RESIDENCE**  
**ST HELENA, CA 94574**

**LUST S110654767**  
**N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**231 ft.**

Region:	STATE
Global Id:	T0605500016
Latitude:	38.501008
Longitude:	-122.463145
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/24/1997
Lead Agency:	NAPA COUNTY LOP
Case Worker:	JTN
Local Agency:	NAPA COUNTY LOP
RB Case Number:	28-0017
LOC Case Number:	0283
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id:	T0605500016
Contact Type:	Local Agency Caseworker

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**PRIVATE RESIDENCE (Continued)****S110654767**

Contact Name: James Newman, P.G., C.E.G.  
 Organization Name: NAPA COUNTY LOP  
 Address: 1195 THIRD STREET, SUITE 101  
 City: NAPA  
 Email: james.newman@countyofnapa.org  
 Phone Number: Not reported

## Status History:

Global Id: T0605500016  
 Status: Completed - Case Closed  
 Status Date: 06/24/1997

Global Id: T0605500016  
 Status: Open - Case Begin Date  
 Status Date: 07/06/1989

Global Id: T0605500016  
 Status: Open - Site Assessment  
 Status Date: 07/06/1989

## Regulatory Activities:

Global Id: T0605500016  
 Action Type: Other  
 Date: 04/09/1990  
 Action: Leak Stopped

Global Id: T0605500016  
 Action Type: ENFORCEMENT  
 Date: 12/24/1991  
 Action: \* Historical Enforcement

Global Id: T0605500016  
 Action Type: ENFORCEMENT  
 Date: 06/24/1997  
 Action: Closure/No Further Action Letter

Global Id: T0605500016  
 Action Type: Other  
 Date: 04/09/1990  
 Action: Leak Discovery

Global Id: T0605500016  
 Action Type: Other  
 Date: 04/05/1990  
 Action: Leak Reported

MAP FINDINGS

Map ID			
Direction			EDR ID Number
Distance			EPA ID Number
Elevation	Site	Database(s)	

<b>3</b> <b>WSW</b> <b>1/4-1/2</b> <b>0.410 mi.</b> <b>2167 ft.</b>	<b>HEUBLEIN FINE WINE GROUP</b> <b>8215 ST HELENA HWY</b> <b>RUTHERFORD, CA 94573</b>	<b>LUST</b> <b>SWEEPS UST</b> <b>HIST CORTESE</b>	<b>S105025936</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>  <b>Actual:</b> <b>229 ft.</b>	<b>LUST:</b> Region: STATE Global Id: T0605500064 Latitude: 38.50396 Longitude: -122.466704 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 10/03/1995 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2) Case Worker: UUU Local Agency: NAPA COUNTY LOP RB Case Number: 28-0068 LOC Case Number: 28-0068 File Location: Not reported Potential Media Affect: Soil Potential Contaminants of Concern: Diesel Site History: Not reported
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[Click here to access the California GeoTracker records for this facility:](#)

<b>Contact:</b>	
Global Id:	T0605500064
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	NAPA COUNTY LOP
Address:	1195 THIRD ST., ROOM 101
City:	NAPA
Email:	Not reported
Phone Number:	7072534269
Global Id:	T0605500064
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Board (RB2)
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

<b>Status History:</b>	
Global Id:	T0605500064
Status:	Completed - Case Closed
Status Date:	10/03/1995
Global Id:	T0605500064
Status:	Open - Case Begin Date
Status Date:	01/02/1991

<b>Regulatory Activities:</b>	
Global Id:	T0605500064
Action Type:	Other
Date:	01/02/1991
Action:	Leak Stopped

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**HEUBLEIN FINE WINE GROUP (Continued)****S105025936**

Global Id: T0605500064  
 Action Type: Other  
 Date: 01/02/1991  
 Action: Leak Discovery

Global Id: T0605500064  
 Action Type: Other  
 Date: 01/02/1991  
 Action: Leak Reported

**LUST REG 2:**

Region: 2  
 Facility Id: 28-0068  
 Facility Status: Case Closed  
 Case Number: 28-0068  
 How Discovered: Tank Closure  
 Leak Cause: Structure Failure  
 Leak Source: Tank  
 Date Leak Confirmed: Not reported  
 Oversight Program: LUST  
 Prelim. Site Assessment Wokplan Submitted: Not reported  
 Preliminary Site Assessment 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

**SWEEPS UST:**

Status: Active  
 Comp Number: 54835  
 Number: 9  
 Board Of Equalization: Not reported  
 Referral Date: 07-01-85  
 Action Date: Not reported  
 Created Date: 06-30-89  
 Owner Tank Id: 1  
 SWRCB Tank Id: 28-000-054835-000001  
 Tank Status: A  
 Capacity: 10000  
 Active Date: 07-01-85  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: DIESEL  
 Number Of Tanks: 1

Status: Active  
 Comp Number: 67047  
 Number: 9  
 Board Of Equalization: Not reported  
 Referral Date: 07-01-85  
 Action Date: Not reported  
 Created Date: 06-30-89  
 Owner Tank Id: 1  
 SWRCB Tank Id: 28-000-067047-000001  
 Tank Status: A

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**HEUBLEIN FINE WINE GROUP (Continued)**

**S105025936**

Capacity: Not reported  
 Active Date: 07-01-85  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: DIESEL  
 Number Of Tanks: 1

**HIST CORTESE:**

Region: CORTESE  
 Facility County Code: 28  
 Reg By: LTNKA  
 Reg Id: 28-0068

**4**  
**SW**  
 1/4-1/2  
 0.411 mi.  
 2169 ft.

**ST HELENA PETROLEUM**  
**905 MAIN ST**  
**ST HELENA, CA 94574**

**ENVIROSTOR** **S104025320**  
**LUST** **N/A**  
**HIST CORTESE**

**Relative:**  
**Higher**

**ENVIROSTOR:**

Facility ID: 28290001  
 Status: Refer: Other Agency  
 Status Date: 02/18/1988  
 Site Code: Not reported  
 Site Type: Historical  
 Site Type Detailed: \* Historical  
 Acres: Not reported  
 NPL: NO  
 Regulatory Agencies: NONE SPECIFIED  
 Lead Agency: NONE SPECIFIED  
 Program Manager: Not reported  
 Supervisor: Referred - Not Assigned  
 Division Branch: Cleanup Berkeley  
 Assembly: 04  
 Senate: 03  
 Special Program: \* Rural County Survey Program  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 38.50126  
 Longitude: -122.4648  
 APN: 009180008000  
 Past Use: NONE SPECIFIED  
 Potential COC: NONE SPECIFIED  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NONE SPECIFIED  
 Alias Name: 009180008000  
 Alias Type: APN  
 Alias Name: 28290001  
 Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Screening  
 Completed Date: 04/28/1988  
 Comments: SITE SCREENING DONE BASED ON DRIVE-BY AND SIC PAL REQUIRED

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**ST HELENA PETROLEUM (Continued)****S104025320**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: \* Discovery  
 Completed Date: 02/18/1988  
 Comments: FACILITY IDENTIFIED DHS DRIVE-BY GROUND PHOTOS

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: \* Discovery  
 Completed Date: 01/22/1988  
 Comments: FACILITY IDENTIFIED NAPA ENVR HLTH-PROP 65- UNAUTHORIZED UNDERGROUND TANK RELEASE

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

**LUST:**

Region: STATE  
 Global Id: T0605500109  
 Latitude: 38.501259  
 Longitude: -122.464849  
 Case Type: LUST Cleanup Site  
 Status: Completed - Case Closed  
 Status Date: 05/29/1997  
 Lead Agency: NAPA COUNTY LOP  
 Case Worker: JTN  
 Local Agency: NAPA COUNTY LOP  
 RB Case Number: 28-0117  
 LOC Case Number: 0145  
 File Location: Local Agency  
 Potential Media Affect: Soil  
 Potential Contaminants of Concern: Gasoline  
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0605500109  
 Contact Type: Local Agency Caseworker  
 Contact Name: James Newman, P.G., C.E.G.  
 Organization Name: NAPA COUNTY LOP  
 Address: 1195 THIRD STREET, SUITE 101  
 City: NAPA  
 Email: james.newman@countyofnapa.org  
 Phone Number: Not reported

**Status History:**

Global Id: T0605500109  
 Status: Completed - Case Closed  
 Status Date: 05/29/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**ST HELENA PETROLEUM (Continued)**

**S104025320**

Global Id: T0605500109  
Status: Open - Case Begin Date  
Status Date: 03/04/1987

Global Id: T0605500109  
Status: Open - Site Assessment  
Status Date: 03/04/1987

Global Id: T0605500109  
Status: Open - Site Assessment  
Status Date: 03/03/1992

Regulatory Activities:

Global Id: T0605500109  
Action Type: ENFORCEMENT  
Date: 04/04/1990  
Action: \* Historical Enforcement

Global Id: T0605500109  
Action Type: Other  
Date: 02/27/1990  
Action: Leak Stopped

Global Id: T0605500109  
Action Type: Other  
Date: 02/27/1990  
Action: Leak Discovery

Global Id: T0605500109  
Action Type: Other  
Date: 02/23/1990  
Action: Leak Reported

NAPA CO. LUST:

Permit ID: 4744  
Job Number: 22-00145  
Status: Closed  
Permit Type: LOP  
District: 5

LUST REG 2:

Region: 2  
Facility Id: 28-0117  
Facility Status: Case Closed  
Case Number: 0145  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 3/4/1987  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: 3/3/1992  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site \_\_\_\_\_ Database(s) \_\_\_\_\_ EDR ID Number  
EPA ID Number

**ST HELENA PETROLEUM (Continued)**

**S104025320**

Date Post Remedial Action Monitoring Began: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 28  
Reg By: LTNKA  
Reg Id: 28-0117

**5** **ST HELENA PETROLEUM INC**  
**SW** **929 MAIN ST**  
**1/4-1/2** **ST HELENA, CA 94574**  
**0.420 mi.**  
**2219 ft.**

**LUST** **S104025337**  
**HIST CORTESE** **N/A**

**Relative:**  
**Higher**

**LUST:**

Region: STATE  
Global Id: T0605500182  
Latitude: 38.501486  
Longitude: -122.464954  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 05/29/1997  
Lead Agency: NAPA COUNTY LOP  
Case Worker: JTN  
Local Agency: NAPA COUNTY LOP  
RB Case Number: 28-0201  
LOC Case Number: 0144  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**Actual:**  
**226 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0605500182  
Contact Type: Local Agency Caseworker  
Contact Name: James Newman, P.G., C.E.G.  
Organization Name: NAPA COUNTY LOP  
Address: 1195 THIRD STREET, SUITE 101  
City: NAPA  
Email: james.newman@countyofnapa.org  
Phone Number: Not reported

**Status History:**

Global Id: T0605500182  
Status: Completed - Case Closed  
Status Date: 05/29/1997  
  
Global Id: T0605500182  
Status: Open - Case Begin Date  
Status Date: 04/09/1992  
  
Global Id: T0605500182  
Status: Open - Site Assessment  
Status Date: 08/05/1992



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**ST HELENA PETROLEUM INC (Continued)**

**S104025337**

Global Id: T0605500182  
Status: Open - Site Assessment  
Status Date: 11/23/1996

**Regulatory Activities:**

Global Id: T0605500182  
Action Type: Other  
Date: 04/09/1992  
Action: Leak Stopped

Global Id: T0605500182  
Action Type: Other  
Date: 04/09/1992  
Action: Leak Discovery

Global Id: T0605500182  
Action Type: Other  
Date: 08/05/1992  
Action: Leak Reported

**LUST REG 2:**

Region: 2  
Facility Id: 28-0201  
Facility Status: Case Closed  
Case Number: 0144  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 8/5/1992  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: 11/23/1996  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 28  
Reg By: LTNKA  
Reg Id: 28-0201

**A6 BELLANI RESIDENCE**  
**SSW 738 MAIN ST**  
**1/4-1/2 SAINT HELENA, CA 94574**  
**0.431 mi.**  
**2276 ft. Site 1 of 2 in cluster A**

**LUST U003971577**  
**UST N/A**

**Relative:** NAPA CO. LUST:  
**Higher** Permit ID: 4657  
Job Number: 22-00283  
**Actual:** Status: Closed  
**234 ft.** Permit Type: LOP  
District: 5

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
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MAP FINDINGS

**BELLANI RESIDENCE (Continued)**

**U003971577**

NAPA CO. UST:  
 Facility ID: NAPA0283  
 Num of Tanks: 0

<p><b>A7</b>  <b>SSW</b>  <b>1/4-1/2</b>  <b>0.431 mi.</b>  <b>2276 ft.</b></p>	<p><b>BELLANI RESIDENCE</b>  <b>738 MAIN ST</b>  <b>ST HELENA, CA 94574</b></p> <p><b>Site 2 of 2 in cluster A</b></p>	<p><b>LUST</b>  <b>HIST CORTESE</b></p>	<p><b>U003114816</b>  <b>N/A</b></p>
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**Relative:** Higher  
**Actual:** 234 ft.

LUST REG 2:  
 Region: 2  
 Facility Id: 28-0017  
 Facility Status: Case Closed  
 Case Number: 0283  
 How Discovered: Tank Closure  
 Leak Cause: Structure Failure  
 Leak Source: Tank  
 Date Leak Confirmed: 7/6/1989  
 Oversight Program: LUST  
 Prelim. Site Assessment Workplan Submitted: Not reported  
 Preliminary Site Assessment 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

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 28  
 Reg By: LTNKA  
 Reg Id: 28-0017

<p><b>B8</b>  <b>WSW</b>  <b>1/4-1/2</b>  <b>0.438 mi.</b>  <b>2313 ft.</b></p>	<p><b>VCS #5</b>  <b>1108 MAIN ST</b>  <b>SAINT HELENA, CA 94574</b></p> <p><b>Site 1 of 3 in cluster B</b></p>	<p><b>LUST</b>  <b>HIST CORTESE</b></p>	<p><b>S104025332</b>  <b>N/A</b></p>
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**Relative:** Higher  
**Actual:** 230 ft.

LUST:  
 Region: STATE  
 Global Id: T0605500168  
 Latitude: 38.5034744266388  
 Longitude: -122.466922402382  
 Case Type: LUST Cleanup Site  
 Status: Open - Eligible for Closure  
 Status Date: 06/27/2013  
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
 Case Worker: MPB  
 Local Agency: Not reported  
 RB Case Number: 28-0186  
 LOC Case Number: Not reported  
 File Location: Local Agency  
 Potential Media Affect: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

**VCS #5 (Continued)**

**S104025332**

Site History: Currently, the Site in an operating 76-branded automotive fueling station with convenience store, two (2) operating 10,000-gal underground storage tanks (USTs) . Release of gasoline was first reported in Dec 1990. Groundwater monitoring began in June 1994, with off-Site groundwater monitoring wells advanced in Feb 1995. Five (5) single-walled USTs were removed in 1996. Elevated levels of petroleum hydrocarbon contaminants were discovered. Other gas service stations exist proximal to the Site; a Chevron and Exxon are both upgradient. Soil and groundwater extraction has been performed on and off Site. Five (5) monitoring wells and three (3) extraction wells currently operate on Site.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:  
Global Id: T0605500168  
Contact Type: Regional Board Caseworker  
Contact Name: MARK PAUL BARE  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 Clay Street, Suite 1400  
City: OAKLAND  
Email: mark.bare@waterboards.ca.gov  
Phone Number: 5106222446

Status History:  
Global Id: T0605500168  
Status: Open - Case Begin Date  
Status Date: 12/17/1990  
  
Global Id: T0605500168  
Status: Open - Eligible for Closure  
Status Date: 06/27/2013  
  
Global Id: T0605500168  
Status: Open - Remediation  
Status Date: 11/22/1995  
  
Global Id: T0605500168  
Status: Open - Remediation  
Status Date: 01/04/2002  
  
Global Id: T0605500168  
Status: Open - Remediation  
Status Date: 04/26/2002  
  
Global Id: T0605500168  
Status: Open - Remediation  
Status Date: 09/11/2002  
  
Global Id: T0605500168  
Status: Open - Site Assessment  
Status Date: 11/13/1992  
  
Global Id: T0605500168  
Status: Open - Verification Monitoring  
Status Date: 11/01/2008

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**VCS #5 (Continued)****S104025332**

## Regulatory Activities:

Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	04/19/2012
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	09/12/2013
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	11/13/1992
Action:	* Historical Enforcement
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	02/28/2003
Action:	File review
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	04/08/2011
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	10/27/2010
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	Other
Date:	12/17/1990
Action:	Leak Stopped
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	09/27/2013
Action:	Well Destruction Workplan - Regulator Responded
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	06/07/2010
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	02/24/2011
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	02/24/2011
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0605500168

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**VCS #5 (Continued)****S104025332**

Action Type:	ENFORCEMENT
Date:	11/14/2011
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/15/2002
Action:	Meeting
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	02/24/2010
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	12/13/2011
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	10/02/2008
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/12/2009
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	11/02/2009
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	09/24/2008
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/24/2011
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	03/29/2006
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/19/2015
Action:	Other Report
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	12/28/2009

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**VCS #5 (Continued)****S104025332**

Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	10/01/2008
Action:	Other Report / Document
Global Id:	T0605500168
Action Type:	Other
Date:	12/17/1990
Action:	Leak Discovery
Global Id:	T0605500168
Action Type:	REMEDIATION
Date:	09/25/2002
Action:	In Situ Physical/Chemical Treatment (other than SVE)
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/28/2009
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/09/2013
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	11/06/2008
Action:	Email Correspondence
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	08/19/2013
Action:	Other Report / Document
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	12/24/2007
Action:	Other Report / Document
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	03/14/2012
Action:	Other Report / Document
Global Id:	T0605500168
Action Type:	REMEDIATION
Date:	06/25/1996
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	05/07/2009
Action:	Staff Letter

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**VCS #5 (Continued)****S104025332**

Global Id:	T0605500168
Action Type:	RESPONSE
Date:	02/24/2011
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	01/26/2005
Action:	Other Report / Document
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	01/31/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605500168
Action Type:	RESPONSE
Date:	09/24/2010
Action:	Other Report / Document
Global Id:	T0605500168
Action Type:	Other
Date:	12/17/1990
Action:	Leak Reported
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	10/30/2008
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/16/2010
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	08/14/2013
Action:	Notification - Public Notice of Case Closure
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	12/28/2005
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	01/13/2010
Action:	Email Correspondence
Global Id:	T0605500168
Action Type:	ENFORCEMENT
Date:	09/25/2007
Action:	Staff Letter
Global Id:	T0605500168
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**VCS #5 (Continued)**

**S104025332**

Date: 08/05/2008  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0605500168  
Action Type: ENFORCEMENT  
Date: 02/23/2009  
Action: Staff Letter

Global Id: T0605500168  
Action Type: ENFORCEMENT  
Date: 04/07/2011  
Action: Staff Letter

Global Id: T0605500168  
Action Type: ENFORCEMENT  
Date: 11/20/2012  
Action: Staff Letter

**NAPA CO. LUST:**

Permit ID: 10015  
Job Number: Not reported  
Status: Open  
Permit Type: LOP  
District: 3

**LUST REG 2:**

Region: 2  
Facility Id: 28-0186  
Facility Status: Remedial action (cleanup) Underway  
Case Number: 0243  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: 11/13/1992  
Pollution Remediation Plan Submitted: 4/26/2002  
Date Remediation Action Underway: 9/11/2002  
Date Post Remedial Action Monitoring Began: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 28  
Reg By: LTNKA  
Reg Id: 28-0186



MAP FINDINGS

Map ID			
Direction			EDR ID Number
Distance			EPA ID Number
Elevation	Site	Database(s)	

<b>9</b> <b>WSW</b> <b>1/4-1/2</b> <b>0.444 mi.</b> <b>2344 ft.</b>	<b>CORNER OF MITCHELL AND POPE ST</b> <b>MITCHELL DR SAINT</b> <b>SAINT HELENA, CA 94574</b>	<b>LUST</b>	<b>U003114835</b> <b>N/A</b>
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<b>Relative:</b>	NAPA CO. LUST:
<b>Higher</b>	Permit ID: 4576
	Job Number: 22-00615
<b>Actual:</b>	Status: Closed
<b>229 ft.</b>	Permit Type: LOP
	District: 4

<b>B10</b> <b>WSW</b> <b>1/4-1/2</b> <b>0.447 mi.</b> <b>2360 ft.</b>	<b>NOBLE PROPERTIES</b> <b>1132 MAIN STREET</b> <b>ST. HELENA, CA 94574</b> <b>Site 2 of 3 in cluster B</b>	<b>SLIC</b>	<b>S108724701</b> <b>N/A</b>
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<b>Relative:</b>	SLIC:
<b>Higher</b>	Region: STATE
	<b>Facility Status: Completed - Case Closed</b>
<b>Actual:</b>	Status Date: 03/18/2009
<b>233 ft.</b>	Global Id: SL0605588535
	Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
	Lead Agency Case Number: Not reported
	Latitude: 38.503694
	Longitude: -122.467246
	Case Type: Cleanup Program Site
	Case Worker: Not reported
	Local Agency: Not reported
	RB Case Number: 28S0064
	File Location: Regional Board
	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:

Region:	STATE
<b>Facility Status:</b>	<b>Completed - Case Closed</b>
Status Date:	03/18/2009
Global Id:	T1000000217
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	38.503694
Longitude:	-122.467246
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	28S0064
File Location:	Not reported
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:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**B11**      **SAINT HELENA PLAZA**  
**WSW**      **1136 MAIN ST**  
**1/4-1/2**      **SAINT HELENA, CA 94574**  
**0.449 mi.**  
**2369 ft.**      **Site 3 of 3 in cluster B**

**LUST**      **S109285405**  
                  **N/A**

**Relative:**      LUST:  
**Higher**      Region:                      STATE  
                  Global Id:                      T10000000393  
**Actual:**      Latitude:                      38.50386  
**233 ft.**      Longitude:                    -122.467472  
                  Case Type:                    LUST Cleanup Site  
                  Status:                        Completed - Case Closed  
                  Status Date:                09/14/2011  
                  Lead Agency:                NAPA COUNTY LOP  
                  Case Worker:                JTN  
                  Local Agency:               NAPA COUNTY LOP  
                  RB Case Number:            Not reported  
                  LOC Case Number:         0736  
                  File Location:              Local Agency  
                  Potential Media Affect:    Other Groundwater (uses other than drinking water), Soil  
                  Potential Contaminants of Concern: Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating  
                  Site History:                Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**  
 Global Id:                      T10000000393  
 Contact Type:                Local Agency Caseworker  
 Contact Name:                James Newman, P.G., C.E.G.  
 Organization Name:         NAPA COUNTY LOP  
 Address:                        1195 THIRD STREET, SUITE 101  
 City:                            NAPA  
 Email:                         james.newman@countyofnapa.org  
 Phone Number:               Not reported

**Status History:**  
 Global Id:                      T10000000393  
 Status:                        Completed - Case Closed  
 Status Date:                 09/14/2011  
  
 Global Id:                      T10000000393  
 Status:                        Open - Case Begin Date  
 Status Date:                 10/07/2008  
  
 Global Id:                      T10000000393  
 Status:                        Open - Site Assessment  
 Status Date:                 10/07/2008

**Regulatory Activities:**  
 Global Id:                      T10000000393  
 Action Type:                ENFORCEMENT  
 Date:                            02/10/2011  
 Action:                        Staff Letter  
  
 Global Id:                      T10000000393  
 Action Type:                ENFORCEMENT  
 Date:                            12/13/2010  
 Action:                        Staff Letter

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**SAINT HELENA PLAZA (Continued)****S109285405**

Global Id:	T10000000393
Action Type:	ENFORCEMENT
Date:	05/19/2011
Action:	Staff Letter
Global Id:	T10000000393
Action Type:	ENFORCEMENT
Date:	02/16/2010
Action:	Staff Letter
Global Id:	T10000000393
Action Type:	Other
Date:	12/31/1978
Action:	Leak Began
Global Id:	T10000000393
Action Type:	Other
Date:	12/31/1978
Action:	Leak Stopped
Global Id:	T10000000393
Action Type:	ENFORCEMENT
Date:	12/19/2008
Action:	Notice of Responsibility
Global Id:	T10000000393
Action Type:	ENFORCEMENT
Date:	06/14/2011
Action:	Staff Letter
Global Id:	T10000000393
Action Type:	ENFORCEMENT
Date:	09/14/2011
Action:	Closure/No Further Action Letter
Global Id:	T10000000393
Action Type:	ENFORCEMENT
Date:	07/16/2009
Action:	Staff Letter
Global Id:	T10000000393
Action Type:	ENFORCEMENT
Date:	07/02/2010
Action:	Staff Letter
Global Id:	T10000000393
Action Type:	Other
Date:	10/01/2007
Action:	Leak Reported
Global Id:	T10000000393
Action Type:	Other
Date:	10/01/2007
Action:	Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAINT HELENA PLAZA (Continued)**

**S109285405**

NAPA CO. LUST:  
Permit ID: 4547  
Job Number: 22-00736  
Status: Closed  
Permit Type: LOP  
District: 2

**12**  
**SSE**  
**1/4-1/2**  
**0.461 mi.**  
**2432 ft.**

**LIDENT CORPORATION**  
**899 DOWDELL LN**  
**SAINT HELENA, CA 94574**

**LUST** **S104162282**  
**HIST CORTESE** **N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**228 ft.**

LUST:  
Region: STATE  
Global Id: T0605500188  
Latitude: 38.499225  
Longitude: -122.456801  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 09/02/1993  
Lead Agency: NAPA COUNTY LOP  
Case Worker: JTN  
Local Agency: NAPA COUNTY LOP  
RB Case Number: 28-0208  
LOC Case Number: 0099  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:  
Global Id: T0605500188  
Contact Type: Local Agency Caseworker  
Contact Name: James Newman, P.G., C.E.G.  
Organization Name: NAPA COUNTY LOP  
Address: 1195 THIRD STREET, SUITE 101  
City: NAPA  
Email: james.newman@countyofnapa.org  
Phone Number: Not reported

Status History:  
Global Id: T0605500188  
Status: Completed - Case Closed  
Status Date: 09/02/1993  
  
Global Id: T0605500188  
Status: Open - Case Begin Date  
Status Date: 03/25/1990  
  
Global Id: T0605500188  
Status: Open - Site Assessment  
Status Date: 06/18/1992

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**LIDENT CORPORATION (Continued)****S104162282**

## Regulatory Activities:

Global Id: T0605500188  
Action Type: ENFORCEMENT  
Date: 06/18/1992  
Action: \* Historical Enforcement

Global Id: T0605500188  
Action Type: Other  
Date: 02/20/1991  
Action: Leak Stopped

Global Id: T0605500188  
Action Type: Other  
Date: 02/20/1991  
Action: Leak Discovery

Global Id: T0605500188  
Action Type: Other  
Date: 03/25/1990  
Action: Leak Reported

## NAPA CO. LUST:

Permit ID: 4769  
Job Number: 22-00099  
Status: Closed  
Permit Type: LOP  
District: 5

## LUST REG 2:

Region: 2  
Facility Id: 28-0208  
Facility Status: Case Closed  
Case Number: 0099  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 6/18/1992  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment 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

## HIST CORTESE:

Region: CORTESE  
Facility County Code: 28  
Reg By: LTNKA  
Reg Id: 28-0208

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
<b>MAP FINDINGS</b>							

**C13**      **NAPA VALLEY PETROLEUM #2**      **LUST**      **S104162273**  
**WSW**      **1153 MAIN ST**      **HIST CORTESE**      **N/A**  
**1/4-1/2**      **ST HELENA, CA 94574**  
**0.461 mi.**  
**2435 ft.**      **Site 1 of 2 in cluster C**

**Relative:**      LUST:  
**Higher**      Region:      STATE  
Global Id:      T0605500061  
**Actual:**      Latitude:      38.5035206050068  
**235 ft.**      Longitude:      -122.467850446701  
Case Type:      LUST Cleanup Site  
Status:      Completed - Case Closed  
Status Date:      03/16/2015  
Lead Agency:      NAPA COUNTY LOP  
Case Worker:      JTN  
Local Agency:      NAPA COUNTY LOP  
RB Case Number:      28-0064  
LOC Case Number:      0065  
File Location:      Local Agency  
Potential Media Affect:      Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern:      Gasoline  
Site History:      Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**  
Global Id:      T0605500061  
Contact Type:      Local Agency Caseworker  
Contact Name:      James Newman, P.G., C.E.G.  
Organization Name:      NAPA COUNTY LOP  
Address:      1195 THIRD STREET, SUITE 101  
City:      NAPA  
Email:      james.newman@countyofnapa.org  
Phone Number:      Not reported

**Status History:**  
Global Id:      T0605500061  
Status:      Completed - Case Closed  
Status Date:      03/16/2015  
  
Global Id:      T0605500061  
Status:      Open - Case Begin Date  
Status Date:      08/07/1986  
  
Global Id:      T0605500061  
Status:      Open - Eligible for Closure  
Status Date:      07/25/2014  
  
Global Id:      T0605500061  
Status:      Open - Remediation  
Status Date:      11/11/2011  
  
Global Id:      T0605500061  
Status:      Open - Site Assessment  
Status Date:      02/02/1996  
  
Global Id:      T0605500061  
Status:      Open - Site Assessment

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**NAPA VALLEY PETROLEUM #2 (Continued)****S104162273**

Status Date: 10/17/2002

Global Id: T0605500061  
Status: Open - Site Assessment  
Status Date: 04/14/2003

## Regulatory Activities:

Global Id: T0605500061  
Action Type: ENFORCEMENT  
Date: 10/20/2003  
Action: \* Historical EnforcementGlobal Id: T0605500061  
Action Type: RESPONSE  
Date: 02/17/2012  
Action: Clean Up Fund - 5-Year Review SummaryGlobal Id: T0605500061  
Action Type: ENFORCEMENT  
Date: 03/16/2015  
Action: Closure/No Further Action LetterGlobal Id: T0605500061  
Action Type: ENFORCEMENT  
Date: 06/14/2006  
Action: File reviewGlobal Id: T0605500061  
Action Type: ENFORCEMENT  
Date: 08/21/2014  
Action: Notification - Public Notice of Case ClosureGlobal Id: T0605500061  
Action Type: Other  
Date: 08/07/1986  
Action: Leak StoppedGlobal Id: T0605500061  
Action Type: RESPONSE  
Date: 08/27/2013  
Action: Corrective Action Plan / Remedial Action Plan - Regulator RespondedGlobal Id: T0605500061  
Action Type: ENFORCEMENT  
Date: 10/31/2002  
Action: Site Visit / Inspection / SamplingGlobal Id: T0605500061  
Action Type: ENFORCEMENT  
Date: 05/24/2010  
Action: Staff LetterGlobal Id: T0605500061  
Action Type: ENFORCEMENT  
Date: 10/20/2003  
Action: Staff Letter

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**NAPA VALLEY PETROLEUM #2 (Continued)****S104162273**

Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	04/14/2003
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	12/29/2011
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	12/16/2011
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	RESPONSE
Date:	06/24/2014
Action:	Request for Closure - Regulator Responded
Global Id:	T0605500061
Action Type:	RESPONSE
Date:	10/28/2014
Action:	Well Destruction Workplan - Regulator Responded
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	02/24/2009
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	08/21/2014
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	RESPONSE
Date:	03/11/2015
Action:	Request for Closure - Regulator Responded
Global Id:	T0605500061
Action Type:	REMEDIATION
Date:	01/14/1998
Action:	Excavation
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	09/24/2008
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	RESPONSE
Date:	03/21/2011
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0605500061
Action Type:	Other



Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**NAPA VALLEY PETROLEUM #2 (Continued)****S104162273**

Date:	08/07/1986
Action:	Leak Discovery
Global Id:	T0605500061
Action Type:	RESPONSE
Date:	06/01/2011
Action:	Interim Remedial Action Plan
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	08/24/2011
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	05/27/2009
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	05/06/2009
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	09/25/2003
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	Other
Date:	03/10/1998
Action:	Leak Reported
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	12/22/2008
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	08/31/2010
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	09/09/2010
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	04/12/2011
Action:	Staff Letter
Global Id:	T0605500061
Action Type:	ENFORCEMENT
Date:	09/11/2012
Action:	Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**NAPA VALLEY PETROLEUM #2 (Continued)**

**S104162273**

Global Id: T0605500061  
Action Type: RESPONSE  
Date: 03/21/2011  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0605500061  
Action Type: RESPONSE  
Date: 03/21/2011  
Action: Clean Up Fund - 5-Year Review Summary

**LUST REG 2:**

Region: 2  
Facility Id: 28-0064  
Facility Status: Pollution Characterization  
Case Number: 0065  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Wokplan Submitted: 2/2/1996  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: 4/14/2003  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 28  
Reg By: LTNKA  
Reg Id: 28-0064

**C14** **ST. HELENA PETROLEUM**  
**WSW** **1153 MAIN ST**  
**1/4-1/2** **SAINT HELENA, CA 94574**  
**0.461 mi.**  
**2435 ft.** **Site 2 of 2 in cluster C**

**LUST** **U001598191**  
**UST** **N/A**  
**SWEEPS UST**  
**HIST UST**

**Relative:** NAPA CO. LUST:  
**Higher** Permit ID: 10005  
Job Number: Not reported  
**Actual:** Status: Open  
**235 ft.** Permit Type: LOP  
District: 3

**UST:**  
Facility ID: NAPA0065  
Permitting Agency: NAPA COUNTY  
Latitude: 38.5048569  
Longitude: -122.466512

**NAPA CO. UST:**  
Facility ID: NAPA0065  
Num of Tanks: 4

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**ST. HELENA PETROLEUM (Continued)**

**U001598191**

**SWEEPS UST:**

Status: Active  
Comp Number: 48332  
Number: 9  
Board Of Equalization: 44-015442  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: 1  
SWRCB Tank Id: 28-000-048332-000001  
Tank Status: A  
Capacity: 4000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: 4

Status: Active  
Comp Number: 48332  
Number: 9  
Board Of Equalization: 44-015442  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: 2  
SWRCB Tank Id: 28-000-048332-000002  
Tank Status: A  
Capacity: 4000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 48332  
Number: 9  
Board Of Equalization: 44-015442  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: 3  
SWRCB Tank Id: 28-000-048332-000003  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 48332  
Number: 9  
Board Of Equalization: 44-015442  
Referral Date: 07-01-85

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST. HELENA PETROLEUM (Continued)**

**U001598191**

Action Date: Not reported  
Created Date: 06-30-89  
Owner Tank Id: 4  
SWRCB Tank Id: 28-000-048332-000004  
Tank Status: A  
Capacity: 6000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

**HIST UST:**

Region: STATE  
Facility ID: 00000048332  
Facility Type: Gas Station  
Other Type: Not reported  
Contact Name: GREG GELOW  
Telephone: 7079634716  
Owner Name: DANO D. MATTIUZZI  
Owner Address: 4354 SONOMA MOUNTAIN RD  
Owner City,St,Zip: SANTA ROSA, CA 95404  
Total Tanks: 0004

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00004000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor, Vapor Sniff Well

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00004000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor, Vapor Sniff Well

Tank Num: 003  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor, Vapor Sniff Well

Tank Num: 004  
Container Num: 4  
Year Installed: Not reported  
Tank Capacity: 00006000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
<b>MAP FINDINGS</b>							

**ST. HELENA PETROLEUM (Continued)**

**U001598191**

Container Construction Thickness: Not reported  
 Leak Detection: Visual, Stock Inventor, Vapor Sniff Well

<p><b>D15</b>  <b>WSW</b>  <b>1/4-1/2</b>  <b>0.481 mi.</b>  <b>2538 ft.</b></p>	<p><b>PG&amp;E ST. HELENA</b>  <b>1301-1302 MITCHELL DRIVE</b>  <b>ST. HELENA, CA 94574</b></p>	<p><b>ENVIROSTOR</b>  <b>VCP</b></p>	<p><b>S107737029</b>  <b>N/A</b></p>
<p><b>Site 1 of 3 in cluster D</b></p>			

**Relative:** ENVIROSTOR:  
**Higher**

**Actual:**  
**231 ft.**

Facility ID: 28490002  
 Status: Active  
 Status Date: 12/18/1996  
 Site Code: 200257  
 Site Type: Voluntary Cleanup  
 Site Type Detailed: Voluntary Cleanup  
 Acres: 0.75  
 NPL: NO  
 Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay, NAPA COUNTY  
 Lead Agency: SMBRP  
 Program Manager: Remedios Sunga  
 Supervisor: Denise Tsuji  
 Division Branch: Cleanup Berkeley  
 Assembly: 04  
 Senate: 03  
 Special Program: Voluntary Cleanup Program  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Responsible Party  
 Latitude: 38.50216  
 Longitude: -122.4670  
 APN: 009263005000  
 Past Use: MANUFACTURED GAS PLANT  
 Potential COC: Arsenic Benzene Lead Polynuclear aromatic hydrocarbons (PAHs)  
 TPH-diesel TPH-gas Ethylbenzene Toluene Xylenes  
 Confirmed COC: Arsenic Benzene Lead Polynuclear aromatic hydrocarbons (PAHs)  
 TPH-diesel TPH-gas Ethylbenzene Toluene Xylenes  
 Potential Description: OTH, SOIL  
 Alias Name: TOWN GAS PLANT- SAINT HELENA #1  
 Alias Type: Alternate Name  
 Alias Name: 009263005000  
 Alias Type: APN  
 Alias Name: 110033611125  
 Alias Type: EPA (FRS #)  
 Alias Name: SL0605518541  
 Alias Type: GeoTracker Global ID  
 Alias Name: 200257  
 Alias Type: Project Code (Site Code)  
 Alias Name: 28490002  
 Alias Type: Envirostor ID Number

**Completed Info:**  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 09/29/2009  
 Comments: DTSC cost estimate sent 9/29/2009

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
<b>MAP FINDINGS</b>							

**PG&E ST. HELENA (Continued)****S107737029**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Design/Implementation Workplan  
 Completed Date: 08/08/2007  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fieldwork  
 Completed Date: 11/25/2007  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Workplan  
 Completed Date: 11/23/2005  
 Comments: Sampling to refine boundaries of remedial areas.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation / Feasibility Study  
 Completed Date: 04/10/2006  
 Comments: Approved report detailing additional investigation of soil beneath Mitchell Drive, soil on the MPP, and soil on the main project site.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 06/17/2008  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fact Sheets  
 Completed Date: 12/05/2006  
 Comments: Fact sheet summarizes results of site investigations, cleanup goals, and cleanup recommendations.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Screening  
 Completed Date: 02/04/1987  
 Comments: Site setting and historical uses identified. Twelve surface soil samples collected. Polycyclic aromatic hydrocarbon (PAH), lead, and arsenic levels quantified. Mercury and cyanide not detected.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Preliminary Endangerment Assessment Report  
 Completed Date: 08/29/1991  
 Comments: Site investigation indicated the presence of polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs) from historic gas manufacturing activities. Total petroleum hydrocarbons were also detected. Risk assessment identified direct exposure to surface soil as the only plausible exposure pathway at the Site. Site determined to be secured and unoccupied. Further subsurface investigation and capping recommended.

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
<b>MAP FINDINGS</b>							

**PG&E ST. HELENA (Continued)****S107737029**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Health & Safety Plan  
 Completed Date: 07/01/2000  
 Comments: Site-specific plan for worker safety in accordance with federal and state regulations. Establishes personal protective equipment, site control, decontamination, and emergency response procedures for the site.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 08/11/2004  
 Comments: Approved supplemental remedial investigation. Report concluded that soil impacts extend to 30 feet below ground surface, while PAHs are present in groundwater to 65 feet bgs. Lateral and vertical migration of contaminants is limited by low permeability soils. Contaminants were not observed in nearby Sulphur Creek.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Pilot/Treatability Study Report  
 Completed Date: 01/10/2005  
 Comments: Approved report of phase one pilot testing and work plan for phase two testing. Phase one testing included five-day dual phase extraction, bench-scale testing of chemical oxidation of contaminants in soil, and analysis of field data for indications of biodegradation. Phase Two testing to include dual-phase extraction with ethanol-enhanced recovery of NAPL.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 09/01/2005  
 Comments: Approved groundwater monitoring report. Analytical results for contaminants in perched groundwater were generally consistent with historic results. Contaminant concentrations in groundwater zones A, B, and C were generally higher than historic results. No arsenic or PAHs were detected in surface water.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Risk Assessment Report  
 Completed Date: 10/19/2001  
 Comments: Approved the site risk assessment report which concluded that PAHs, arsenic, and benzene are the primary COCs at the site. Potential exposure pathways were determined to be extraction of shallow groundwater and construction activities involving disruption of soils and/or groundwater. Impacts on Sulfur Creek were determined to be within acceptable limits, as COCs in shallow groundwater were determined to be present at concentrations below ecological screening levels.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Community Profile  
 Completed Date: 04/30/1991

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
				MAP FINDINGS			

**PG&E ST. HELENA (Continued)****S107737029**

Comments: Community profile submitted to assist in identifying distribution points for Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Feasibility Study Workplan  
 Completed Date: 07/20/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Correspondence  
 Completed Date: 04/23/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: CEQA - Initial Study/ Neg. Declaration  
 Completed Date: 04/20/2007  
 Comments: Final CEQA Negative Declaration approved.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Voluntary Cleanup Agreement  
 Completed Date: 12/18/1996  
 Comments: Signed Agreement with PG&E.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 11/30/2010  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 10/12/2011  
 Comments: Sent out annual cost estimate

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 10/29/2012  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 08/27/2013  
 Comments: Annual Oversight Cost Estimate

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 08/27/2014  
 Comments: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**PG&E ST. HELENA (Continued)**

**S107737029**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 08/23/2006  
Comments: Provision for submittal of electronic documents added to cleanup agreement.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/23/2008  
Comments: Approved first half 2008 O&M Report. The Report presents the results of the May 2008 sampling of groundwater monitoring wells and documents the operation of the dual-phase extraction system.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 01/18/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 06/30/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 12/27/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 11/16/2011  
Comments: Report was accepted. There are no changes.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/09/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 01/25/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 04/01/2011  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E ST. HELENA (Continued)**

**S107737029**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 01/13/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 12/17/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/28/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 10/16/2014  
Comments: Field remediation work completed with site restored and new fence.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 07/13/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/05/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 10/14/2008  
Comments: DTSC annual oversight cost estimate to PRPs per HSC 25269.5.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 05/22/1987  
Comments: Completed Site Screening. Results of site investigations indicate that site soils contain elevated levels of arsenic, polycyclic aromatic hydrocarbons (PAHs), total extractable petroleum hydrocarbons, and total petroleum hydrocarbons as gasoline (TPH-g). Groundwater samples detected elevated concentrations of benzene, TPH-g, and PAHs.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 04/20/2007

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**PG&E ST. HELENA (Continued)****S107737029**

Comments: Remedial Action Plan approved. Site remedy includes combination of excavation, dual-phase extraction and treatment, natural attenuation, and site management plans.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fieldwork  
 Completed Date: 08/01/2006  
 Comments: Installation of monitoring and extraction wells completed.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Notice  
 Completed Date: 12/04/2006  
 Comments: Public notice finalized to announce public comment period.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Manual  
 Completed Date: 08/01/2008  
 Comments: DTSC approved the Operation and Maintenance Manual for operation of the dual-phase extraction and treatment system.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Participation Plan / Community Relations Plan  
 Completed Date: 10/23/2006  
 Comments: Public Participation Plan completed detailing community interests and concerns regarding site cleanup. Anticipated future public participation activities also described.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Well Completion Report  
 Completed Date: 01/18/2007  
 Comments: Approved well installation report.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Completion Report  
 Completed Date: 04/23/2008  
 Comments: DTSC approved the Remedial Action Completion Report and no further action for soil cleanup.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Completion Report  
 Completed Date: 06/09/2015  
 Comments: DTSC approved final Remedial Action Completion Report. Approximately 4,820 cubic yards of contaminated soil was removed from the Site and disposed to permitted landfills.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 06/11/2007  
 Comments: Groundwater elevation data observed to reflect operation of

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**PG&E ST. HELENA (Continued)****S107737029**

dual-phase extraction and treatment system for May/June sampling event. Concentrations of contaminants of concern consistent with those previously reported.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Implementation Workplan  
 Completed Date: 06/11/2007  
 Comments: Approved destruction of MW-3, MW-4 and MW-5. Plan details the procedure to be followed.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Notice  
 Completed Date: 08/06/2007  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Design/Implementation Workplan  
 Completed Date: 02/26/2014  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 06/17/2008  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 02/20/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Workplan  
 Completed Date: 05/21/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 03/26/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 09/04/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 02/05/2014

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**PG&E ST. HELENA (Continued)****S107737029**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 09/04/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Work Notice  
 Completed Date: 05/05/2014  
 Comments: Work notice for remedial action implementation for removing about 42,000 cubic yards of contaminated soil and disposal offsite.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 08/26/2014  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Technical Workplan  
 Completed Date: 03/10/2015  
 Comments: DTSC approved groundwater monitoring program with the following minor revision. The groundwater wells will be developed after a minimum of 72 hours after construction.

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Land Use Restriction  
 Schedule Due Date: 05/08/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Certification  
 Schedule Due Date: 06/03/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Land Use Restriction  
 Schedule Due Date: 05/08/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Land Use Restriction  
 Schedule Due Date: 05/08/2016

Map ID	Direction	Distance	Elevation	Site	MAP FINDINGS	Database(s)	EDR ID Number	EPA ID Number
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**PG&E ST. HELENA (Continued)****S107737029**

Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Operations and Maintenance Plan  
 Schedule Due Date: 09/30/2015  
 Schedule Revised Date: Not reported

## VCP:

Facility ID: 28490002  
 Site Type: Voluntary Cleanup  
 Site Type Detail: Voluntary Cleanup  
 Site Mgmt. Req.: NONE SPECIFIED  
 Acres: 0.75  
 National Priorities List: NO  
 Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay, NAPA COUNTY  
 Lead Agency: SMBRP  
 Lead Agency Description: DTSC - Site Cleanup Program  
 Project Manager: Remedios Sunga  
 Supervisor: Denise Tsuji  
 Division Branch: Cleanup Berkeley  
 Site Code: 200257  
 Assembly: 04  
 Senate: 03  
 Special Programs Code: Voluntary Cleanup Program  
 Status: Active  
 Status Date: 12/18/1996  
 Restricted Use: NO  
 Funding: Responsible Party  
 Lat/Long: 38.50216 / -122.4670  
 APN: 009263005000  
 Past Use: MANUFACTURED GAS PLANT  
 Potential COC: 30001, 30003, 30013, 30019, 30024, 30025, 30272, 30550, 30593  
 Confirmed COC: 30001,30003,30013,30019,30024,30025,30272,30550,30593  
 Potential Description: OTH, SOIL  
 Alias Name: TOWN GAS PLANT- SAINT HELENA #1  
 Alias Type: Alternate Name  
 Alias Name: 009263005000  
 Alias Type: APN  
 Alias Name: 110033611125  
 Alias Type: EPA (FRS #)  
 Alias Name: SL0605518541  
 Alias Type: GeoTracker Global ID  
 Alias Name: 200257  
 Alias Type: Project Code (Site Code)  
 Alias Name: 28490002  
 Alias Type: Envirostor ID Number

## Completed Info:

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 09/29/2009  
 Comments: DTSC cost estimate sent 9/29/2009

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Design/Implementation Workplan

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
<b>MAP FINDINGS</b>							

**PG&E ST. HELENA (Continued)****S107737029**

Completed Date: 08/08/2007  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 11/25/2007  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 11/23/2005  
Comments: Sampling to refine boundaries of remedial areas.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation / Feasibility Study  
Completed Date: 04/10/2006  
Comments: Approved report detailing additional investigation of soil beneath Mitchell Drive, soil on the MPP, and soil on the main project site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/17/2008  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 12/05/2006  
Comments: Fact sheet summarizes results of site investigations, cleanup goals, and cleanup recommendations.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 02/04/1987  
Comments: Site setting and historical uses identified. Twelve surface soil samples collected. Polycyclic aromatic hydrocarbon (PAH), lead, and arsenic levels quantified. Mercury and cyanide not detected.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 08/29/1991  
Comments: Site investigation indicated the presence of polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs) from historic gas manufacturing activities. Total petroleum hydrocarbons were also detected. Risk assessment identified direct exposure to surface soil as the only plausible exposure pathway at the Site. Site determined to be secured and unoccupied. Further subsurface investigation and capping recommended.

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

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
<b>MAP FINDINGS</b>							
<b>PG&amp;E ST. HELENA (Continued)</b>							<b>S107737029</b>
				Completed Document Type:	Health & Safety Plan		
				Completed Date:	07/01/2000		
				Comments:	Site-specific plan for worker safety in accordance with federal and state regulations. Establishes personal protective equipment, site control, decontamination, and emergency response procedures for the site.		
				Completed Area Name:	PROJECT WIDE		
				Completed Sub Area Name:	Not reported		
				Completed Document Type:	Remedial Investigation Report		
				Completed Date:	08/11/2004		
				Comments:	Approved supplemental remedial investigation. Report concluded that soil impacts extend to 30 feet below ground surface, while PAHs are present in groundwater to 65 feet bgs. Lateral and vertical migration of contaminants is limited by low permeability soils. Contaminants were not observed in nearby Sulphur Creek.		
				Completed Area Name:	PROJECT WIDE		
				Completed Sub Area Name:	Not reported		
				Completed Document Type:	Pilot/Treatability Study Report		
				Completed Date:	01/10/2005		
				Comments:	Approved report of phase one pilot testing and work plan for phase two testing. Phase one testing included five-day dual phase extraction, bench-scale testing of chemical oxidation of contaminants in soil, and analysis of field data for indications of biodegradation. Phase Two testing to include dual-phase extraction with ethanol-enhanced recovery of NAPL.		
				Completed Area Name:	PROJECT WIDE		
				Completed Sub Area Name:	Not reported		
				Completed Document Type:	Monitoring Report		
				Completed Date:	09/01/2005		
				Comments:	Approved groundwater monitoring report. Analytical results for contaminants in perched groundwater were generally consistent with historic results. Contaminant concentrations in groundwater zones A, B, and C were generally higher than historic results. No arsenic or PAHs were detected in surface water.		
				Completed Area Name:	PROJECT WIDE		
				Completed Sub Area Name:	Not reported		
				Completed Document Type:	Risk Assessment Report		
				Completed Date:	10/19/2001		
				Comments:	Approved the site risk assessment report which concluded that PAHs, arsenic, and benzene are the primary COCs at the site. Potential exposure pathways were determined to be extraction of shallow groundwater and construction activities involving disruption of soils and/or groundwater. Impacts on Sulfur Creek were determined to be within acceptable limits, as COCs in shallow groundwater were determined to be present at concentrations below ecological screening levels.		
				Completed Area Name:	PROJECT WIDE		
				Completed Sub Area Name:	Not reported		
				Completed Document Type:	Community Profile		
				Completed Date:	04/30/1991		
				Comments:	Community profile submitted to assist in identifying distribution points for Preliminary Endangerment Assessment.		



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E ST. HELENA (Continued)**

**S107737029**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Workplan  
Completed Date: 07/20/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 04/23/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Initial Study/ Neg. Declaration  
Completed Date: 04/20/2007  
Comments: Final CEQA Negative Declaration approved.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 12/18/1996  
Comments: Signed Agreement with PG&E.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 11/30/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/12/2011  
Comments: Sent out annual cost estimate

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/29/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 08/27/2013  
Comments: Annual Oversight Cost Estimate

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 08/27/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
				MAP FINDINGS			

**PG&E ST. HELENA (Continued)****S107737029**

Completed Date: 08/23/2006  
 Comments: Provision for submittal of electronic documents added to cleanup agreement.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 10/23/2008  
 Comments: Approved first half 2008 O&M Report. The Report presents the results of the May 2008 sampling of groundwater monitoring wells and documents the operation of the dual-phase extraction system.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 01/18/2010  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Technical Report  
 Completed Date: 06/30/2011  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 12/27/2010  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 11/16/2011  
 Comments: Report was accepted. There are no changes.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 06/09/2010  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 01/25/2010  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 04/01/2011  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: \*Correspondence - Received

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**PG&E ST. HELENA (Continued)****S107737029**

Completed Date: 01/13/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 12/17/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/28/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 10/16/2014  
Comments: Field remediation work completed with site restored and new fence.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 07/13/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/05/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 10/14/2008  
Comments: DTSC annual oversight cost estimate to PRPs per HSC 25269.5.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 05/22/1987  
Comments: Completed Site Screening. Results of site investigations indicate that site soils contain elevated levels of arsenic, polycyclic aromatic hydrocarbons (PAHs), total extractable petroleum hydrocarbons, and total petroleum hydrocarbons as gasoline (TPH-g). Groundwater samples detected elevated concentrations of benzene, TPH-g, and PAHs.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 04/20/2007  
Comments: Remedial Action Plan approved. Site remedy includes combination of excavation, dual-phase extraction and treatment, natural attenuation, and site management plans.

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
<b>MAP FINDINGS</b>							

**PG&E ST. HELENA (Continued)****S107737029**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fieldwork  
 Completed Date: 08/01/2006  
 Comments: Installation of monitoring and extraction wells completed.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Notice  
 Completed Date: 12/04/2006  
 Comments: Public notice finalized to announce public comment period.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Manual  
 Completed Date: 08/01/2008  
 Comments: DTSC approved the Operation and Maintenance Manual for operation of the dual-phase extraction and treatment system.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Participation Plan / Community Relations Plan  
 Completed Date: 10/23/2006  
 Comments: Public Participation Plan completed detailing community interests and concerns regarding site cleanup. Anticipated future public participation activities also described.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Well Completion Report  
 Completed Date: 01/18/2007  
 Comments: Approved well installation report.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Completion Report  
 Completed Date: 04/23/2008  
 Comments: DTSC approved the Remedial Action Completion Report and no further action for soil cleanup.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Completion Report  
 Completed Date: 06/09/2015  
 Comments: DTSC approved final Remedial Action Completion Report. Approximately 4,820 cubic yards of contaminated soil was removed from the Site and disposed to permitted landfills.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 06/11/2007  
 Comments: Groundwater elevation data observed to reflect operation of dual-phase extraction and treatment system for May/June sampling event. Concentrations of contaminants of concern consistent with those previously reported.

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
				MAP FINDINGS			

**PG&E ST. HELENA (Continued)****S107737029**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Implementation Workplan  
 Completed Date: 06/11/2007  
 Comments: Approved destruction of MW-3, MW-4 and MW-5. Plan details the procedure to be followed.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Notice  
 Completed Date: 08/06/2007  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Design/Implementation Workplan  
 Completed Date: 02/26/2014  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 06/17/2008  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 02/20/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Workplan  
 Completed Date: 05/21/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 03/26/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 09/04/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 02/05/2014  
 Comments: Not reported

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

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**PG&E ST. HELENA (Continued)****S107737029**

Completed Document Type: Remedial Investigation Report  
 Completed Date: 09/04/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Work Notice  
 Completed Date: 05/05/2014  
 Comments: Work notice for remedial action implementation for removing about 42,000 cubic yards of contaminated soil and disposal offsite.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 08/26/2014  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Technical Workplan  
 Completed Date: 03/10/2015  
 Comments: DTSC approved groundwater monitoring program with the following minor revision. The groundwater wells will be developed after a minimum of 72 hours after construction.

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Land Use Restriction  
 Schedule Due Date: 05/08/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Certification  
 Schedule Due Date: 06/03/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Land Use Restriction  
 Schedule Due Date: 05/08/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Land Use Restriction  
 Schedule Due Date: 05/08/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Land Use Restriction  
 Schedule Due Date: 05/08/2016  
 Schedule Revised Date: Not reported  
 Schedule Area Name: PROJECT WIDE  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Operations and Maintenance Plan

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
MAP FINDINGS							

**PG&E ST. HELENA (Continued)****S107737029**

Schedule Due Date: 09/30/2015  
 Schedule Revised Date: Not reported

<b>D16</b> <b>WSW</b> <b>1/4-1/2</b> <b>0.490 mi.</b> <b>2585 ft.</b>	<b>ST. HELENA PG &amp; E</b> <b>MITCHELL DRIVE AND OAK AVENUE</b> <b>ST. HELENA, CA 94574</b>  <b>Site 2 of 3 in cluster D</b>	<b>SLIC</b> <b>S106717813</b> <b>N/A</b>
---	--	---

**Relative:** SLIC:  
**Higher** Region: STATE  
**Actual:** **Facility Status:** **Open - Remediation**  
**232 ft.** Status Date: 04/23/2009  
 Global Id: SL0605518541  
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
 Lead Agency Case Number: 28490002  
 Latitude: 38.502289  
 Longitude: -122.467357  
 Case Type: Cleanup Program Site  
 Case Worker: MPB  
 Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 RB Case Number: 28S0057  
 File Location: Not reported  
 Potential Media Affected: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon  
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

<b>D17</b> <b>WSW</b> <b>1/4-1/2</b> <b>0.493 mi.</b> <b>2601 ft.</b>	<b>PG AND E ST HELENA</b> <b>MITCHELL DR AND OAK AVENUE</b> <b>SAINT HELENA, CA 94574</b>  <b>Site 3 of 3 in cluster D</b>	<b>EDR MGP</b> <b>1008407746</b> <b>N/A</b>
---	--	--

**Relative:** Manufactured Gas Plants:  
**Higher** Pacific Gas and Electric Company's (PG AND E's) 1-acre property was formerly the location of a Manufactured Gas Plant (MGP). The MGP operated from between 1883 and 1930.  
**Actual:**  
**231 ft.**

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
ST HELENA	1003878942	PG&E GAS PLANT ST HELENA	MAIN ST BR BRIDGE	94574	CERCLIS-NFRAP



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

**NPL:** National Priority List

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

Date of Government Version: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 11/07/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

**Proposed NPL:** Proposed National Priority List Sites

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

Date of Government Version: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 11/07/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

**NPL LIENS:** Federal Superfund Liens

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 11/07/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

### ***Federal CERCLIS list***

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: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 10/09/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Varies

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	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

### ***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	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

### ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/09/2015	Source: EPA
Date Data Arrived at EDR: 06/26/2015	Telephone: 800-424-9346
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/11/2016
	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: 06/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2015	Telephone: (415) 495-8895
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/11/2016
	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: 06/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2015	Telephone: (415) 495-8895
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/11/2016
	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: 06/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2015	Telephone: (415) 495-8895
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/11/2016
	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: 06/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2015	Telephone: (415) 495-8895
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/11/2016
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### ***Federal institutional controls / engineering controls registries***

#### **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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

#### **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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	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: 06/22/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-267-2180
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/11/2016
	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: 08/03/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/04/2015	Telephone: 916-323-3400
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/07/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Quarterly

### ***State- and tribal - equivalent CERCLIS***

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 08/03/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/04/2015	Telephone: 916-323-3400
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/07/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/15/2016
	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: 08/17/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 08/18/2015	Telephone: 916-341-6320
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Quarterly

### **State and tribal leaking storage tank lists**

#### 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: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

#### LUST: Geotracker's Leaking Underground Fuel Tank Report

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

Date of Government Version: 10/21/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/22/2015	Telephone: see region list
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### LUST REG 7: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 02/26/2004  
 Date Data Arrived at EDR: 02/26/2004  
 Date Made Active in Reports: 03/24/2004  
 Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
 Telephone: 760-776-8943  
 Last EDR Contact: 08/01/2011  
 Next Scheduled EDR Contact: 11/14/2011  
 Data Release Frequency: No Update Planned

### LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 06/07/2005  
 Date Data Arrived at EDR: 06/07/2005  
 Date Made Active in Reports: 06/29/2005  
 Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
 Telephone: 760-241-7365  
 Last EDR Contact: 09/12/2011  
 Next Scheduled EDR Contact: 12/26/2011  
 Data Release Frequency: No Update Planned

### LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

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

### LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008  
 Date Data Arrived at EDR: 07/22/2008  
 Date Made Active in Reports: 07/31/2008  
 Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
 Telephone: 916-464-4834  
 Last EDR Contact: 07/01/2011  
 Next Scheduled EDR Contact: 10/17/2011  
 Data Release Frequency: No Update Planned

### LUST REG 4: Underground Storage Tank Leak List

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

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
 Telephone: 213-576-6710  
 Last EDR Contact: 09/06/2011  
 Next Scheduled EDR Contact: 12/19/2011  
 Data Release Frequency: No Update Planned

### LUST REG 3: Leaking Underground Storage Tank Database

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

Date of Government Version: 05/19/2003  
 Date Data Arrived at EDR: 05/19/2003  
 Date Made Active in Reports: 06/02/2003  
 Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
 Telephone: 805-542-4786  
 Last EDR Contact: 07/18/2011  
 Next Scheduled EDR Contact: 10/31/2011  
 Data Release Frequency: No Update Planned

### LUST REG 2: Fuel Leak List

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### LUST REG 8: Leaking Underground Storage Tanks

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

Date of Government Version: 02/14/2005  
 Date Data Arrived at EDR: 02/15/2005  
 Date Made Active in Reports: 03/28/2005  
 Number 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

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

Date of Government Version: 03/30/2015  
 Date Data Arrived at EDR: 04/28/2015  
 Date Made Active in Reports: 06/22/2015  
 Number of Days to Update: 55

Source: EPA Region 7  
 Telephone: 913-551-7003  
 Last EDR Contact: 10/08/2015  
 Next Scheduled EDR Contact: 02/08/2016  
 Data Release Frequency: Varies

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

Date of Government Version: 07/21/2015  
 Date Data Arrived at EDR: 07/29/2015  
 Date Made Active in Reports: 10/13/2015  
 Number of Days to Update: 76

Source: EPA Region 10  
 Telephone: 206-553-2857  
 Last EDR Contact: 10/26/2015  
 Next Scheduled EDR Contact: 02/08/2016  
 Data Release Frequency: Quarterly

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

Date of Government Version: 05/13/2015  
 Date Data Arrived at EDR: 08/03/2015  
 Date Made Active in Reports: 10/13/2015  
 Number of Days to Update: 71

Source: EPA Region 6  
 Telephone: 214-665-6597  
 Last EDR Contact: 10/26/2015  
 Next Scheduled EDR Contact: 02/08/2016  
 Data Release Frequency: Varies

### 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: 07/28/2015  
 Date Data Arrived at EDR: 08/07/2015  
 Date Made Active in Reports: 10/13/2015  
 Number of Days to Update: 67

Source: EPA, Region 5  
 Telephone: 312-886-7439  
 Last EDR Contact: 10/26/2015  
 Next Scheduled EDR Contact: 02/08/2016  
 Data Release Frequency: Varies

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

Date of Government Version: 01/08/2015  
 Date Data Arrived at EDR: 01/08/2015  
 Date Made Active in Reports: 02/09/2015  
 Number of Days to Update: 32

Source: Environmental Protection Agency  
 Telephone: 415-972-3372  
 Last EDR Contact: 10/30/2015  
 Next Scheduled EDR Contact: 02/08/2016  
 Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6271
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 10/08/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

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

Date of Government Version: 07/30/2015	Source: EPA Region 4
Date Data Arrived at EDR: 08/07/2015	Telephone: 404-562-8677
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 02/03/2015	Source: EPA Region 1
Date Data Arrived at EDR: 04/30/2015	Telephone: 617-918-1313
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 10/27/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

**SLIC: Statewide SLIC Cases**

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

Date of Government Version: 10/21/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/22/2015	Telephone: 866-480-1028
Date Made Active in Reports: 11/06/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Varies

**SLIC REG 1: Active Toxic Site Investigations**

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

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

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

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





## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/03/2008	Source: California Region Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 04/03/2008	Telephone: 951-782-3298
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 09/12/2011
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Semi-Annually

**SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**  
 The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 09/11/2007	Telephone: 858-467-2980
Date Made Active in Reports: 09/28/2007	Last EDR Contact: 08/08/2011
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/21/2011
	Data Release Frequency: Annually

### **State and tribal registered storage tank lists**

**FEMA UST: Underground Storage Tank Listing**  
 A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/08/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Varies

**UST: Active UST Facilities**  
 Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/21/2015	Source: SWRCB
Date Data Arrived at EDR: 10/22/2015	Telephone: 916-341-5851
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/28/2016
	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 09/28/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/11/2016
	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: 07/28/2015	Source: EPA Region 8
Date Data Arrived at EDR: 08/14/2015	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 60	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

**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).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/2015	Source: EPA Region 6
Date Data Arrived at EDR: 08/03/2015	Telephone: 214-665-7591
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Semi-Annually

### 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: 07/30/2015	Source: EPA Region 4
Date Data Arrived at EDR: 08/07/2015	Telephone: 404-562-9424
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Semi-Annually

### 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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

### INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/28/2015	Source: EPA Region 5
Date Data Arrived at EDR: 08/07/2015	Telephone: 312-886-6136
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

### 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: 02/03/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 04/30/2015	Telephone: 617-918-1313
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 10/27/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

### 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: 07/21/2015	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2015	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 02/08/2016
	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 land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 10/30/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/09/2016
	Data Release Frequency: Quarterly

### ***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: 08/03/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/04/2015	Telephone: 916-323-3400
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/07/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/15/2016
	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: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 09/29/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/11/2016
	Data Release Frequency: Varies

#### **INDIAN VCP R7: Voluntary Cleanup Priority Listing**

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

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

### ***State and tribal Brownfields sites***

#### **BROWNFIELDS: Considered Brownfields Sites Listing**

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/25/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2015	Telephone: 916-323-7905
Date Made Active in Reports: 10/12/2015	Last EDR Contact: 12/04/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/21/2016
	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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/22/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/24/2015	Telephone: 202-566-2777
Date Made Active in Reports: 09/02/2015	Last EDR Contact: 09/23/2015
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/04/2016
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### **WMUDS/SWAT: Waste Management Unit Database**

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

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 11/09/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: No Update Planned

#### **SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 09/14/2015	Source: Department of Conservation
Date Data Arrived at EDR: 09/15/2015	Telephone: 916-323-3836
Date Made Active in Reports: 10/14/2015	Last EDR Contact: 09/15/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/28/2015
	Data Release Frequency: Quarterly

#### **HAULERS: Registered Waste Tire Haulers Listing**

A listing of registered waste tire haulers.

Date of Government Version: 09/21/2015	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 09/22/2015	Telephone: 916-341-6422
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 44	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 11/06/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Varies

#### **ODI: Open Dump Inventory**

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/26/2015
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: No Update Planned

### **Local Lists of Hazardous waste / Contaminated Sites**

#### 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: 08/12/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/04/2015	Telephone: 202-307-1000
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 08/31/2015
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/14/2015
	Data Release Frequency: No Update Planned

#### HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	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: 08/03/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/04/2015	Telephone: 916-323-3400
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/07/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Quarterly

#### 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: 12/31/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-255-6504
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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

### 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: 08/12/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/04/2015	Telephone: 202-307-1000
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/25/2015
Number of Days to Update: 60	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Quarterly

### **Local Lists of Registered Storage Tanks**

#### SWEEPS UST: SWEEPS UST Listing

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

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

#### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 11/23/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Annually

#### HIST UST: Hazardous Substance Storage Container Database

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

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

#### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### **Local Land Records**

#### **LIENS: Environmental Liens Listing**

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

Date of Government Version: 09/08/2015  
 Date Data Arrived at EDR: 09/10/2015  
 Date Made Active in Reports: 10/12/2015  
 Number of Days to Update: 32

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 12/04/2015  
 Next Scheduled EDR Contact: 03/21/2016  
 Data Release Frequency: Varies

#### **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: 10/30/2015  
 Next Scheduled EDR Contact: 02/08/2016  
 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: 09/08/2015  
 Date Data Arrived at EDR: 09/09/2015  
 Date Made Active in Reports: 10/13/2015  
 Number of Days to Update: 34

Source: DTSC and SWRCB  
 Telephone: 916-323-3400  
 Last EDR Contact: 12/08/2015  
 Next Scheduled EDR Contact: 12/21/2015  
 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: 06/24/2015  
 Date Data Arrived at EDR: 06/26/2015  
 Date Made Active in Reports: 09/02/2015  
 Number of Days to Update: 68

Source: U.S. Department of Transportation  
 Telephone: 202-366-4555  
 Last EDR Contact: 09/29/2015  
 Next Scheduled EDR Contact: 01/11/2016  
 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).



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/25/2015	Source: Office of Emergency Services
Date Data Arrived at EDR: 10/27/2015	Telephone: 916-845-8400
Date Made Active in Reports: 11/16/2015	Last EDR Contact: 10/27/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 11/09/2015
	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: 10/21/2015	Source: State Water Quality Control Board
Date Data Arrived at EDR: 10/22/2015	Telephone: 866-480-1028
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2016
	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: 10/21/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/22/2015	Telephone: 866-480-1028
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2016
	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 / No Longer Regulated

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: 06/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2015	Telephone: (415) 495-8895
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/11/2016
	Data Release Frequency: Varies

#### 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: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 12/11/2015
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**DOD: Department of Defense Sites**

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/16/2015
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Semi-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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/16/2015
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: N/A

**SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing**

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/19/2015
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/29/2016
	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: 09/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/03/2015	Telephone: 202-566-1917
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 61	Next Scheduled EDR Contact: 02/29/2016
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 11/10/2015
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Varies

### 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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 09/25/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/04/2016
	Data Release Frequency: Every 4 Years

### 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: 12/31/2013	Source: EPA
Date Data Arrived at EDR: 02/12/2015	Telephone: 202-566-0250
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 110	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/26/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Annually

### 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: 12/11/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Annually

### RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 69	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

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

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

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/13/2015
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/22/2016
	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: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/29/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/25/2016
	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: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 10/08/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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: 11/18/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/07/2016
	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: 11/18/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

**MLTS: Material Licensing Tracking System**

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

Date of Government Version: 06/26/2015	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/10/2015	Telephone: 301-415-7169
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 12/07/2015
Number of Days to Update: 95	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

**COAL ASH DOE: Steam-Electric Plant 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: 07/13/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/28/2015
	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: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/11/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Varies

**PCB TRANSFORMER: PCB Transformer Registration Database**

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/29/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

**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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/07/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2015	Telephone: 202-343-9775
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 10/07/2015
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/18/2016
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

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

### DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 11/07/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/15/2016
	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: 12/31/2014	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/17/2015	Telephone: Varies
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 09/28/2015
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/11/2016
	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: 12/31/2013	Source: EPA/NTIS
Date Data Arrived at EDR: 02/24/2015	Telephone: 800-424-9346
Date Made Active in Reports: 09/30/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 218	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Biennially

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/16/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Semi-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: 11/19/2015
Number of Days to Update: 146	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 10/05/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Varies

### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 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

### 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: 07/22/2015	Source: EPA
Date Data Arrived at EDR: 07/24/2015	Telephone: 202-564-2496
Date Made Active in Reports: 09/02/2015	Last EDR Contact: 09/28/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/11/2016
	Data Release Frequency: Annually

### US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 07/22/2015	Source: EPA
Date Data Arrived at EDR: 07/24/2015	Telephone: 202-564-2496
Date Made Active in Reports: 09/02/2015	Last EDR Contact: 09/28/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/11/2016
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 05/14/2015	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/03/2015	Telephone: 303-231-5959
Date Made Active in Reports: 09/02/2015	Last EDR Contact: 12/03/2015
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Semi-Annually

### US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 12/04/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

### US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 12/04/2015
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

### FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 07/20/2015	Source: EPA
Date Data Arrived at EDR: 09/09/2015	Telephone: (415) 947-8000
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 12/10/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

### 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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/28/2015	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/29/2015	Telephone: 916-323-3400
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 09/29/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/11/2016
	Data Release Frequency: Quarterly

### DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 08/10/2015	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/27/2015	Telephone: 916-327-4498
Date Made Active in Reports: 10/01/2015	Last EDR Contact: 12/04/2015
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/21/2016
	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: 12/31/2013	Source: California Air Resources Board
Date Data Arrived at EDR: 09/25/2015	Telephone: 916-322-2990
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 09/25/2015
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/04/2016
	Data Release Frequency: Varies

### ENF: Enforcement Action Listing

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

Date of Government Version: 08/24/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/26/2015	Telephone: 916-445-9379
Date Made Active in Reports: 10/01/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

### Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 08/03/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2015	Telephone: 916-255-3628
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/08/2016
	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: 08/17/2015	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 08/18/2015	Telephone: 916-341-6066
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 02/29/2016
	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. This database begins with calendar year 1993.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/14/2015	Telephone: 916-255-1136
Date Made Active in Reports: 12/11/2015	Last EDR Contact: 10/14/2015
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Annually

### HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/24/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/26/2015	Telephone: 916-323-3400
Date Made Active in Reports: 10/01/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

### HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/27/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/14/2015	Telephone: 916-440-7145
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 10/14/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Quarterly

### MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/14/2015	Source: Department of Conservation
Date Data Arrived at EDR: 09/15/2015	Telephone: 916-322-1080
Date Made Active in Reports: 10/14/2015	Last EDR Contact: 09/15/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/28/2015
	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: 09/03/2015	Source: Department of Public Health
Date Data Arrived at EDR: 09/09/2015	Telephone: 916-558-1784
Date Made Active in Reports: 10/12/2015	Last EDR Contact: 12/08/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Varies

### NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/17/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/18/2015	Telephone: 916-445-9379
Date Made Active in Reports: 09/11/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Quarterly

### PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/08/2015	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 09/09/2015	Telephone: 916-445-4038
Date Made Active in Reports: 10/12/2015	Last EDR Contact: 12/08/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

### PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/14/2015	Source: Department of Conservation
Date Data Arrived at EDR: 09/15/2015	Telephone: 916-323-3836
Date Made Active in Reports: 10/14/2015	Last EDR Contact: 09/15/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/28/2015
	Data Release Frequency: Quarterly

### NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 08/04/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/25/2015	Telephone: 916-445-3846
Date Made Active in Reports: 10/05/2015	Last EDR Contact: 11/16/2015
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/04/2016
	Data Release Frequency: No Update Planned

### UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/23/2015	Source: Department of Conservation
Date Data Arrived at EDR: 09/15/2015	Telephone: 916-445-2408
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 09/15/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/28/2015
	Data Release Frequency: Varies

### WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 04/17/2015	Telephone: 559-445-5577
Date Made Active in Reports: 06/23/2015	Last EDR Contact: 10/16/2015
Number of Days to Update: 67	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Varies

### WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/18/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List  
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/28/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/11/2016
	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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

##### **EDR Hist Auto: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

##### **EDR Hist Cleaner: 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
 Date Data Arrived at EDR: N/A  
 Date Made Active in Reports: N/A  
 Number of Days to Update: N/A

Source: EDR, Inc.  
 Telephone: N/A  
 Last EDR Contact: N/A  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: 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: 10/09/2015  
 Date Data Arrived at EDR: 10/13/2015  
 Date Made Active in Reports: 11/16/2015  
 Number of Days to Update: 34

Source: Alameda County Environmental Health Services  
 Telephone: 510-567-6700  
 Last EDR Contact: 10/09/2015  
 Next Scheduled EDR Contact: 01/25/2016  
 Data Release Frequency: Semi-Annually

##### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/09/2015  
 Date Data Arrived at EDR: 10/13/2015  
 Date Made Active in Reports: 11/19/2015  
 Number of Days to Update: 37

Source: Alameda County Environmental Health Services  
 Telephone: 510-567-6700  
 Last EDR Contact: 10/09/2015  
 Next Scheduled EDR Contact: 01/25/2016  
 Data Release Frequency: Semi-Annually

#### AMADOR COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**CUPA Facility List**  
Cupa Facility List

Date of Government Version: 08/24/2015  
Date Data Arrived at EDR: 09/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 35

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 12/04/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Varies

**BUTTE COUNTY:**

**CUPA Facility Listing**  
Cupa facility list.

Date of Government Version: 11/20/2014  
Date Data Arrived at EDR: 11/24/2014  
Date Made Active in Reports: 01/07/2015  
Number of Days to Update: 44

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 12/11/2015  
Next Scheduled EDR Contact: 01/25/2016  
Data Release Frequency: No Update Planned

**CALVERAS COUNTY:**

**CUPA Facility Listing**  
Cupa Facility Listing

Date of Government Version: 10/22/2015  
Date Data Arrived at EDR: 10/23/2015  
Date Made Active in Reports: 11/16/2015  
Number of Days to Update: 24

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 09/28/2015  
Next Scheduled EDR Contact: 01/11/2016  
Data Release Frequency: Quarterly

**COLUSA COUNTY:**

**CUPA Facility List**  
Cupa facility list.

Date of Government Version: 06/08/2015  
Date Data Arrived at EDR: 09/22/2015  
Date Made Active in Reports: 10/14/2015  
Number of Days to Update: 22

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 11/09/2015  
Next Scheduled EDR Contact: 02/22/2016  
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: 08/24/2015  
Date Data Arrived at EDR: 08/25/2015  
Date Made Active in Reports: 10/01/2015  
Number of Days to Update: 37

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 11/07/2015  
Next Scheduled EDR Contact: 02/15/2016  
Data Release Frequency: Semi-Annually

**DEL NORTE COUNTY:**

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA Facility List Cupa Facility list

Date of Government Version: 11/16/2015  
Date Data Arrived at EDR: 11/17/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 24

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 11/13/2015  
Next Scheduled EDR Contact: 02/15/2016  
Data Release Frequency: Varies

### EL DORADO COUNTY:

#### CUPA Facility List CUPA facility list.

Date of Government Version: 09/23/2015  
Date Data Arrived at EDR: 09/25/2015  
Date Made Active in Reports: 10/15/2015  
Number of Days to Update: 20

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 11/07/2015  
Next Scheduled EDR Contact: 02/15/2016  
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: 10/15/2015  
Date Data Arrived at EDR: 10/15/2015  
Date Made Active in Reports: 11/16/2015  
Number of Days to Update: 32

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 10/05/2015  
Next Scheduled EDR Contact: 01/18/2016  
Data Release Frequency: Semi-Annually

### HUMBOLDT COUNTY:

#### CUPA Facility List CUPA facility list.

Date of Government Version: 08/04/2015  
Date Data Arrived at EDR: 08/07/2015  
Date Made Active in Reports: 09/03/2015  
Number of Days to Update: 27

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 11/12/2015  
Next Scheduled EDR Contact: 12/07/2015  
Data Release Frequency: Varies

### IMPERIAL COUNTY:

#### CUPA Facility List Cupa facility list.

Date of Government Version: 10/30/2015  
Date Data Arrived at EDR: 11/07/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 34

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 10/26/2015  
Next Scheduled EDR Contact: 02/08/2016  
Data Release Frequency: Varies

### INYO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### KERN COUNTY:

#### Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 05/19/2015  
Date Data Arrived at EDR: 06/18/2015  
Date Made Active in Reports: 07/22/2015  
Number of Days to Update: 34

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 02/22/2016  
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: 11/19/2015  
Date Data Arrived at EDR: 11/23/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 18

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### LAKE COUNTY:

#### CUPA Facility List Cupa facility list

Date of Government Version: 08/11/2015  
Date Data Arrived at EDR: 08/14/2015  
Date Made Active in Reports: 09/03/2015  
Number of Days to Update: 20

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 10/19/2015  
Next Scheduled EDR Contact: 02/01/2016  
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  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 09/21/2015  
Next Scheduled EDR Contact: 01/04/2016  
Data Release Frequency: No Update Planned



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014	Source: Department of Public Works
Date Data Arrived at EDR: 01/30/2015	Telephone: 626-458-3517
Date Made Active in Reports: 03/04/2015	Last EDR Contact: 10/09/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/19/2015	Source: La County Department of Public Works
Date Data Arrived at EDR: 10/20/2015	Telephone: 818-458-5185
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 10/20/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/01/2016
	Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2015	Source: Engineering & Construction Division
Date Data Arrived at EDR: 07/27/2015	Telephone: 213-473-7869
Date Made Active in Reports: 08/10/2015	Last EDR Contact: 10/19/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/01/2016
	Data Release Frequency: Varies

### Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015	Source: Community Health Services
Date Data Arrived at EDR: 01/29/2015	Telephone: 323-890-7806
Date Made Active in Reports: 03/10/2015	Last EDR Contact: 10/19/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/01/2016
	Data Release Frequency: Annually

### City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/02/2015	Telephone: 310-524-2236
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 10/19/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 02/01/2016
	Data Release Frequency: Semi-Annually

### City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/03/2015	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 05/26/2015	Telephone: 562-570-2563
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Annually

### City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/13/2015	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/14/2015	Telephone: 310-618-2973
Date Made Active in Reports: 12/01/2015	Last EDR Contact: 10/09/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Semi-Annually

### MADERA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 09/15/2015	Source: Madera County Environmental Health
Date Data Arrived at EDR: 09/17/2015	Telephone: 559-675-7823
Date Made Active in Reports: 10/14/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Varies

### MARIN COUNTY:

#### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/05/2015	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/08/2015	Telephone: 415-499-6647
Date Made Active in Reports: 10/15/2015	Last EDR Contact: 10/05/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Semi-Annually

### MERCED COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 09/21/2015	Source: Merced County Environmental Health
Date Data Arrived at EDR: 09/22/2015	Telephone: 209-381-1094
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 12/10/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Varies

### MONO COUNTY:

#### CUPA Facility List

CUPA Facility List

Date of Government Version: 09/02/2015	Source: Mono County Health Department
Date Data Arrived at EDR: 09/04/2015	Telephone: 760-932-5580
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 11/23/2015
Number of Days to Update: 39	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

### MONTEREY COUNTY:

#### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/01/2015	Source: Monterey County Health Department
Date Data Arrived at EDR: 10/06/2015	Telephone: 831-796-1297
Date Made Active in Reports: 12/11/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Varies

### NAPA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 12/06/2011	Telephone: 707-253-4269
Date Made Active in Reports: 02/07/2012	Last EDR Contact: 11/23/2015
Number of Days to Update: 63	Next Scheduled EDR Contact: 03/14/2016
	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	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 11/23/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: No Update Planned

### NEVADA COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 11/16/2015	Source: Community Development Agency
Date Data Arrived at EDR: 11/17/2015	Telephone: 530-265-1467
Date Made Active in Reports: 12/11/2015	Last EDR Contact: 11/06/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Varies

### ORANGE COUNTY:

#### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2015	Source: Health Care Agency
Date Data Arrived at EDR: 08/10/2015	Telephone: 714-834-3446
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/10/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Annually

#### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/03/2015	Source: Health Care Agency
Date Data Arrived at EDR: 08/10/2015	Telephone: 714-834-3446
Date Made Active in Reports: 09/11/2015	Last EDR Contact: 11/10/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Quarterly

#### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2015	Source: Health Care Agency
Date Data Arrived at EDR: 08/11/2015	Telephone: 714-834-3446
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 11/11/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Quarterly

### PLACER COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/08/2015	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 09/08/2015	Telephone: 530-745-2363
Date Made Active in Reports: 10/14/2015	Last EDR Contact: 12/04/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/21/2016
	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: 10/26/2015	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/28/2015	Telephone: 951-358-5055
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 09/21/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/04/2016
	Data Release Frequency: Quarterly

#### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/26/2015	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/28/2015	Telephone: 951-358-5055
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 09/21/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/04/2016
	Data Release Frequency: Quarterly

### SACRAMENTO COUNTY:

#### Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/03/2015	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/06/2015	Telephone: 916-875-8406
Date Made Active in Reports: 11/16/2015	Last EDR Contact: 10/06/2015
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

#### Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/03/2015	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/06/2015	Telephone: 916-875-8406
Date Made Active in Reports: 11/06/2015	Last EDR Contact: 10/06/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 01/18/2016
	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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2015  
 Date Data Arrived at EDR: 07/07/2015  
 Date Made Active in Reports: 07/14/2015  
 Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division  
 Telephone: 909-387-3041  
 Last EDR Contact: 11/09/2015  
 Next Scheduled EDR Contact: 02/22/2016  
 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: 09/23/2013  
 Date Data Arrived at EDR: 09/24/2013  
 Date Made Active in Reports: 10/17/2013  
 Number of Days to Update: 23

Source: Hazardous Materials Management Division  
 Telephone: 619-338-2268  
 Last EDR Contact: 12/04/2015  
 Next Scheduled EDR Contact: 03/21/2016  
 Data Release Frequency: Quarterly

#### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014  
 Date Data Arrived at EDR: 11/21/2014  
 Date Made Active in Reports: 12/29/2014  
 Number of Days to Update: 38

Source: Department of Health Services  
 Telephone: 619-338-2209  
 Last EDR Contact: 10/26/2015  
 Next Scheduled EDR Contact: 02/08/2016  
 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: 12/04/2015  
 Next Scheduled EDR Contact: 03/21/2016  
 Data Release Frequency: No Update Planned

### SAN FRANCISCO COUNTY:

#### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
 Date Data Arrived at EDR: 09/19/2008  
 Date Made Active in Reports: 09/29/2008  
 Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
 Telephone: 415-252-3920  
 Last EDR Contact: 11/09/2015  
 Next Scheduled EDR Contact: 02/22/2016  
 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: 11/09/2015  
 Next Scheduled EDR Contact: 02/22/2016  
 Data Release Frequency: Quarterly

### SAN JOAQUIN COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/23/2015	Source: Environmental Health Department
Date Data Arrived at EDR: 09/25/2015	Telephone: N/A
Date Made Active in Reports: 10/15/2015	Last EDR Contact: 09/21/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/04/2016
	Data Release Frequency: Semi-Annually

### SAN LUIS OBISPO COUNTY:

#### CUPA Facility List

Cupa Facility List.

Date of Government Version: 08/25/2015	Source: San Luis Obispo County Public Health Department
Date Data Arrived at EDR: 08/27/2015	Telephone: 805-781-5596
Date Made Active in Reports: 09/30/2015	Last EDR Contact: 12/04/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/07/2016
	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: 10/14/2015	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 10/15/2015	Telephone: 650-363-1921
Date Made Active in Reports: 11/16/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Annually

#### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/16/2015	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 09/17/2015	Telephone: 650-363-1921
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 12/10/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Semi-Annually

### SANTA BARBARA COUNTY:

#### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011	Source: Santa Barbara County Public Health Department
Date Data Arrived at EDR: 09/09/2011	Telephone: 805-686-8167
Date Made Active in Reports: 10/07/2011	Last EDR Contact: 11/18/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Varies

### SANTA CLARA COUNTY:

#### Cupa Facility List

Cupa facility list

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

<p>Date of Government Version: 11/18/2015  Date Data Arrived at EDR: 11/24/2015  Date Made Active in Reports: 12/11/2015  Number of Days to Update: 17</p>	<p>Source: Department of Environmental Health  Telephone: 408-918-1973  Last EDR Contact: 11/18/2015  Next Scheduled EDR Contact: 03/07/2016  Data Release Frequency: Varies</p>
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### 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.

<p>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</p>	<p>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</p>
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### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

<p>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</p>	<p>Source: Department of Environmental Health  Telephone: 408-918-3417  Last EDR Contact: 11/23/2015  Next Scheduled EDR Contact: 03/14/2016  Data Release Frequency: Annually</p>
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### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

<p>Date of Government Version: 08/10/2015  Date Data Arrived at EDR: 08/14/2015  Date Made Active in Reports: 09/03/2015  Number of Days to Update: 20</p>	<p>Source: City of San Jose Fire Department  Telephone: 408-535-7694  Last EDR Contact: 11/18/2015  Next Scheduled EDR Contact: 02/22/2016  Data Release Frequency: Annually</p>
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### SANTA CRUZ COUNTY:

#### CUPA Facility List

CUPA facility listing.

<p>Date of Government Version: 11/18/2015  Date Data Arrived at EDR: 11/23/2015  Date Made Active in Reports: 12/11/2015  Number of Days to Update: 18</p>	<p>Source: Santa Cruz County Environmental Health  Telephone: 831-464-2761  Last EDR Contact: 11/18/2015  Next Scheduled EDR Contact: 03/07/2016  Data Release Frequency: Varies</p>
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### SHASTA COUNTY:

#### CUPA Facility List

Cupa Facility List.

<p>Date of Government Version: 09/15/2015  Date Data Arrived at EDR: 09/17/2015  Date Made Active in Reports: 11/05/2015  Number of Days to Update: 49</p>	<p>Source: Shasta County Department of Resource Management  Telephone: 530-225-5789  Last EDR Contact: 11/18/2015  Next Scheduled EDR Contact: 03/07/2016  Data Release Frequency: Varies</p>
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### SOLANO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/02/2015	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 09/17/2015	Telephone: 707-784-6770
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 09/10/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/28/2015
	Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/02/2015	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 09/18/2015	Telephone: 707-784-6770
Date Made Active in Reports: 10/15/2015	Last EDR Contact: 12/10/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

### SONOMA COUNTY:

#### Cupa Facility List

Cupa Facility list

Date of Government Version: 09/28/2015	Source: County of Sonoma Fire & Emergency Services Department
Date Data Arrived at EDR: 09/30/2015	Telephone: 707-565-1174
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 09/28/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/11/2016
	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: 10/01/2015	Source: Department of Health Services
Date Data Arrived at EDR: 10/02/2015	Telephone: 707-565-6565
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 09/28/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/11/2016
	Data Release Frequency: Quarterly

### SUTTER COUNTY:

#### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/05/2015	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 06/09/2015	Telephone: 530-822-7500
Date Made Active in Reports: 07/06/2015	Last EDR Contact: 12/04/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Semi-Annually

### TUOLUMNE COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 10/29/2015	Source: Division of Environmental Health
Date Data Arrived at EDR: 10/30/2015	Telephone: 209-533-5633
Date Made Active in Reports: 12/11/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

### VENTURA COUNTY:



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 07/27/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 08/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 08/12/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/30/2015
	Data Release Frequency: Quarterly

### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 10/02/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/13/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Quarterly

### Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/28/2015	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 10/28/2015	Telephone: 805-654-2813
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

### Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/26/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 09/15/2015	Telephone: 805-654-2813
Date Made Active in Reports: 10/15/2015	Last EDR Contact: 09/15/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/28/2015
	Data Release Frequency: Quarterly

### YOLO COUNTY:

#### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 10/19/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 10/27/2015	Telephone: 530-666-8646
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 10/19/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Annually

### YUBA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 11/13/2015  
 Date Data Arrived at EDR: 11/17/2015  
 Date Made Active in Reports: 12/11/2015  
 Number of Days to Update: 24

Source: Yuba County Environmental Health Department  
 Telephone: 530-749-7523  
 Last EDR Contact: 11/13/2015  
 Next Scheduled EDR Contact: 02/15/2016  
 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 through 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: 11/16/2015  
 Next Scheduled EDR Contact: 02/29/2016  
 Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
 Date Data Arrived at EDR: 07/17/2015  
 Date Made Active in Reports: 08/12/2015  
 Number of Days to Update: 26

Source: Department of Environmental Protection  
 Telephone: N/A  
 Last EDR Contact: 10/13/2015  
 Next Scheduled EDR Contact: 01/25/2016  
 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: 11/02/2015  
 Date Data Arrived at EDR: 11/08/2015  
 Date Made Active in Reports: 12/09/2015  
 Number of Days to Update: 31

Source: Department of Environmental Conservation  
 Telephone: 518-402-8651  
 Last EDR Contact: 11/08/2015  
 Next Scheduled EDR Contact: 02/15/2016  
 Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014  
 Date Data Arrived at EDR: 07/24/2015  
 Date Made Active in Reports: 08/18/2015  
 Number of Days to Update: 25

Source: Department of Environmental Protection  
 Telephone: 717-783-8990  
 Last EDR Contact: 10/19/2015  
 Next Scheduled EDR Contact: 02/01/2016  
 Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
 Date Data Arrived at EDR: 06/19/2015  
 Date Made Active in Reports: 07/15/2015  
 Number of Days to Update: 26

Source: Department of Environmental Management  
 Telephone: 401-222-2797  
 Last EDR Contact: 11/19/2015  
 Next Scheduled EDR Contact: 03/07/2016  
 Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014  
 Date Data Arrived at EDR: 03/19/2015  
 Date Made Active in Reports: 04/07/2015  
 Number of Days to Update: 19

Source: Department of Natural Resources  
 Telephone: N/A  
 Last EDR Contact: 12/09/2015  
 Next Scheduled EDR Contact: 03/28/2016  
 Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

### Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

### AHA Hospitals:

Source: American Hospital Association, Inc.  
 Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
 Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health  
 Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics  
 Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics  
 Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services  
 Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 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.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game  
 Telephone: 916-445-0411

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

**STREET AND ADDRESS INFORMATION**

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**APPENDIX D**  
**HISTORIC AERIAL PHOTOGRAPHS**



INQUIRY #: 2731834.4

YEAR: 1958

|—————| = 555'







INQUIRY #: 2731834.4

YEAR: 1982

| = 690'







INQUIRY #: 2731834.4

YEAR: 1993

|—————| = 666'







INQUIRY #: 2731834.4

YEAR: 1998

|—————| = 666'







INQUIRY #: 2731834.4

YEAR: 2005

| = 604'





**APPENDIX E**  
**PROFESSIONAL QUALIFICATIONS**



## Matthew J. Earnshaw, PG, CHg, QSD

### Senior Geologist

Mr. Earnshaw is a senior level geologist at EBA with over 18 years of technical and professional experience in hydrogeologic, environmental, and geotechnical investigations.

At EBA, Mr. Earnshaw's responsibilities include the oversight of various technical aspects in support of the firm's engineering, hydrogeologic, and environmental projects. In the field, Mr. Earnshaw has conducted environmental investigations for clientele ranging from small independent homeowners to municipalities to multinational corporations. Mr. Earnshaw specializes in expedited site assessments using multiple subsurface drilling and geophysical techniques. Since Mr. Earnshaw has extensive experience in the design, permitting, construction, operations and maintenance, and waste discharge requirements of dozens of remediation systems and has performed numerous excavations, he is able to offer a full picture regarding the potential environmental liability at any given site.

In the office, Mr. Earnshaw has supervised the development of routine investigative Work Plans, pilot study Work Plans, SCMs, FS/CAPs, RAPs, ICAPs, and monitoring programs. Mr. Earnshaw has also supervised in the construction of Tier 1 and Tier 2 RBCAs for numerous NFA requests. Mr. Earnshaw specializes in creating soil vapor and indoor air sampling Work Plans, as well as supervising the development of vapor probe, sub slab, and indoor air monitoring programs.

#### Qualifications

Education	California State University, Sonoma – B.S. Geology Santa Rosa Junior College, Santa Rosa – A. Sc.
Registrations	California Professional Geologist License #7838 California Certified Hydrogeologist License #947 Qualified Storm Water Developer OSHA 40 Hour Hazardous Waste Activities Training
Affiliations	California Groundwater Association Groundwater Resources Association of California National Groundwater Association

#### Related Experience

- **City of Ukiah Corporation Yard - Ukiah, CA:** Project Geologist for environmental investigation and characterization of impacts to soil and groundwater from leaking USTs, including preparation of a Correction Action Plan/Feasibility Study, which detailed the installation of a SVE/Ozone sparge remediation system.
- **City of Santa Rosa Public Safety Building – Santa Rosa, CA:** Project Geologist for environmental characterization services for a site that contained four USTs including remediation through site closure.
- **Donaldson Property Site Investigation – Santa Rosa, CA:** Project Geologist for the environmental characterization of a leaking UST site that included soil and groundwater monitoring, preparation of a FS/CAP, and remediation.
- **1509 Main Street Site Investigation & Remediation – Napa, CA:** Project Geologist for the investigation and remediation of leaking UST site including installation of soil borings and monitoring wells, permitting, and monitoring.
- **City of Santa Rosa Municipal Services Center – Santa Rosa, CA:** Project Geologist for environmental characterization services for UST site including site excavation, remediation, and monitoring.
- **Graton Fire District - Sonoma County, CA:** Project Geologist for a soil and groundwater investigation related to former USTs including monitoring and installation of an Ozone sparge remediation system.
- **Marlow Cleaners – Santa Rosa, CA:** Project Geologist for the environmental investigation and remediation of a former dry cleaning facility including the installation and operation of a SVE/Ozone sparge remediation system.
- **County of Sonoma Former UST Sites - Sonoma County, CA:** Project Geologist for the environmental characterization and remediation of several UST sites including the Administration complex in Santa Rosa.



October 28, 2016

Mr. Doug Calhoun  
County of Napa Planning, Building, and Environmental Services Department  
Environmental Health Division – CUPA  
1195 Third Street, Suite 210  
Napa, CA 94559

**SUBJECT: RESULTS OF SHALLOW SOIL SAMPLING AND REMEDIAL  
EXCAVATION WORK PLAN  
632 McCORKLE AVENUE  
ST. HELENA, CALIFORNIA  
*EBA Project No. 16-2355 (8)***

Dear Mr. Calhoun:

EBA Engineering (EBA) was retained by Joe McGrath (Owner) to provide environmental consulting services with respect to the purchase and redevelopment of the property located at 632 McCorkle Avenue, in St. Helena, California, referred to herein as the "project site". In January 2016, EBA prepared an *Environmental Transaction Screen* (Report) (EBA, 2016a) for the project site. Results within the report documented soil staining next to the garage areas that were indicative of historical spills and leaks of petroleum hydrocarbons to the surface. Historical air photos also showed parked cars and debris across a portion of the rear yard.

It is our understanding that the property owner is in the process of permitting the future redevelopment of the property. The governing permitting agencies are therefore asking the owner to define the extents of these shallow impacts as part of the permitting process.

**PROPOSED SCOPE OF WORK**

In an effort to define the extents of shallow impacts from the previous historical uses, EBA prepared a document entitled *Permit and Work Scope – Pre-Construction Hazardous Materials Assessment* (EBA, 2016b) dated September 8, 2016 which proposed the advancement of six exploratory soil borings for the purpose of collecting shallow soil samples for chemical analysis. Based on the analytical results of the samples from the initial six soil borings, EBA advanced three additional soil borings (SB-7 through SB-9) to further characterize the limits of impacts onsite on October 12, 2016.

825 Sonoma Avenue, Suite C ● Santa Rosa, California 95404  
(707)544-0784 ● FAX (707)544-0866 ● [www.ebagroup.com](http://www.ebagroup.com)

The approximate locations of the soil borings are shown on Figure 2 (Appendix A) and associated soil boring logs are attached in Appendix C.

## **INVESTIGATIVE PROCEDURES**

### **Soil Boring Advancement**

On September 15, 2016 EBA personnel advanced six soil borings (SB-1 through SB-6) using hand auger digging techniques. Selected soil samples were screened for the presence of Volatile Organic Compounds (VOCs) using a Photo-ionization Detector (PID). Tooling was decontaminated between each borehole using an Alconox wash and potable water rinse.

### **Soil Sampling**

Two soil samples were collected from each of the soil borings at the project site. The soils samples were collected at depths ranging from the ground surface to approximately 6-inches below grade and from approximately 18-inches to 24-inches below ground surface (BGS). The soil samples were collected in 6-inch long by 2-inch diameter stainless steel sleeves, which were then sealed, capped, labeled, logged on a chain-of-custody (C-O-C) form and transported under refrigerated conditions to K Prime, Inc., a California state certified analytical laboratory located in Santa Rosa, California for chemical analysis.

### **Laboratory testing**

The samples collected from the ground surface to 6-inches below grade were analyzed for Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Heavy Range Organics (HRO) using Environmental Protection Agency (EPA) Method 8015B, for VOCs using EPA Method 5035/8260, and the metals cadmium, chromium, lead, nickel, and zinc (CAM 5 Metals) using EPA Method 3050B/6020A. The samples collected from 18 to 24 inches were held under refrigerated conditions at the laboratory pending the results of the shallow soil samples. In the event the shallow soil samples contained impacts at levels above the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for shallow residential soil, the deeper samples would then be analyzed.

## **ANALYTICAL RESULTS**

The analytical results indicated the presence of DRO in shallow soil samples (0 to 6-inches) from SB-2, SB-5, and SB-6 (S-SB-2-0-6, S-SB-5-0-6, and S-SB-6-0-6) at concentrations of 13.5, 23.7, and 25.5 milligrams per kilogram (mg/kg), respectively. Please note that these results were “flagged” by the laboratory as being heavier hydrocarbons contributing to diesel range quantitation. HRO was also detected in these

samples at concentrations of 23.4, 128, and 136 mg/kg, respectively. Additionally, HRO was also detected in shallow soil samples collected from SB-7 at 20.8 mg/kg.

The metals chromium, lead, nickel and zinc were detected in all of the shallow soil samples at concentrations ranging from 11.9 mg/kg of lead in S-SB-7-0-6 to 1,070 mg/kg of zinc in S-SB-5-0-6. Cadmium was detected in S-SB-5-0-6 and S-SB-6-0-6 at concentrations of 8.10 and 8.33 mg/kg, respectively.

Because concentrations of lead above the ESLs were detected in S-SB-3-0-6, S-SB-5-0-6, and S-SB-6-0-6; the samples collected from 18 inches to 24 inches BGS were analyzed for CAM 5 Metals using EPA Method 3050B/6020A to confirm that these impacts were indeed shallow and did not extend vertically in the subsurface. The analytical results of these deeper samples ranged from 10.9 mg/kg of lead in S-SB-3-18-24 to 214 mg/kg of zinc in S-SB-5-18-24.

Additionally, to confirm that the DRO and HRO impacts observed in S-SB-2-0-6, S-SB-5-0-6, and S-SB-6-0-6 did not extend vertically, the samples collected from 18 to 24 inches BGS in these boreholes were analyzed for DRO and HRO.

Tabulated analytical results are presented in Table 1 (Appendix B) and associated CARs and C-O-C documentation are attached in Appendix D.

## **CONCLUSIONS AND RECOMMENDATIONS**

The analytical results from the soil sampling indicate that there are shallow petroleum hydrocarbon impacts in the vicinity of SB-2, SB-5, and SB-6 and elevated lead concentrations in the vicinity of SB-3, SB-5, and SB-6.

Although analytical results indicate hydrocarbon impacts and lead concentrations exceeding the ESL, the analytical results of the deeper soil samples indicate that these contaminants are limited to the shallow subsurface and do not extend vertically to the 18-24 inch sample. EBA therefore recommends remediation in the form of excavation of shallow soils in the areas of shallow soil impacts that exceed the respective ESLs. In an effort to expedite the remediation of these impacts, EBA has prepared a Remedial Excavation Work Plan (Work Plan) for the excavation of soil.

## **REMEDIAL EXCAVATION WORK PLAN**

The following Sections detail the recommended remedial activities proposed in this Work Plan.

### **Remedial Excavation**

EBA will supervise the removal of impacted soil from the project site in the area shown on Figure 3 (Appendix A) by a properly licensed hazardous materials removal

contractor. Based on the analytical results of the aforementioned soil samples, the lateral extent of the excavation will be approximately the area shown on Figure 3, while the vertical extent of the excavation will be approximately 18 inches BGS.

The target cleanup level in soil will correspond to the SFBRWQCB Residential ESLs, where applicable.

### **Permitting and Underground Service Alert (USA)**

Prior to the start of work, the project site will be marked for USA and all necessary permits will be obtained from the applicable agencies. Notification will also be made to the Bay Area Air Quality Management District (BAAQMD).

### **Project Site Monitoring**

During the performance of all project site work, the breathing zone and surrounding vicinity will be monitored using a PID. Results of the site monitoring will be recorded on field notes and be available upon request.

### **Confirmation Soil Sample Collection**

Upon reaching the limits of excavation discrete confirmation soil sample(s) will be collected from the excavation bottoms and sidewalls. The confirmation soil samples will be collected at a frequency of one per 100 square feet or at least one from each excavation bottom and sidewall. In the event that the excavation indicate the presence of analyzed constituents above the ESLs, further excavation will be performed to remove residual impacted soil. Additional confirmation bottom and sidewall samples will be collected to document the removal of the impacted soil. Any additional soil sample locations will be determined in the field based on field observations.

Soil samples will be collected in 2-inch diameter by 6-inch long stainless steel tubes. Upon collection, all sample containers will be capped, labeled, and placed under refrigerated conditions pending transport under chain-of-custody (C-O-C) protocols to K Prime for chemical analysis.

### **Soil Disposal and Backfilling**

The soil that is removed during soil remediation activities will be stockpiled on, and covered with, plastic sheeting pending soil sample analytical results and disposal under manifest to a properly permitted solid waste disposal facility (landfill). Soil derived during the soil boring investigation will be disposed of at the same time as the soil generated from the excavation activities.

Following excavation and sampling activities, the excavations will be backfilled/graded upon approval from the County of Napa. Backfill material will consist of clean imported fill or other approved backfill source.



### **Analytical Testing**

Based on the absence of VOC's, selected soil samples will be analyzed for DRO and HRO using Environmental Protection Agency (EPA) Method 8015C, and CAM 5 metals using EPA Method 3050B/6020A.

### **SITE HEALTH AND SAFETY PLAN**

A Site Health and Safety Plan is enclosed in Appendix E for review and a copy will be available on-site during soil remediation activities.

### **REPORTING**

A Report of Excavation (Report) will be prepared upon completion of all field work. The Report will include a figure showing sample locations and depths, tabulated analytical results, and certified analytical report(s) as well as soil disposal documentation.

### **SCHEDULE**


Work will commence following County of Napa review and comment on this Work Plan and at the direction of the Client.

## CLOSING


If you should have any questions regarding the information contained herein, please do not hesitate to contact our office at (707) 544-0784.

Sincerely,  
**EBA ENGINEERING**

Prepared By:

  
Paul Talmadge, G.I.T.  
Staff Geologist

Supervised By:

  
Matthew J. Earnshaw, P.G., C.Hg., QSD  
Senior Geologist



Expires Aug. 31, 20 18

Enclosures: Appendix A – Figures  
Appendix B – Tabulated Analytical Results  
Appendix C – Soil Boring Logs  
Appendix D – Certified Analytical Results and Chain of Custody  
Documentation  
Appendix E – Health and Safety Plan

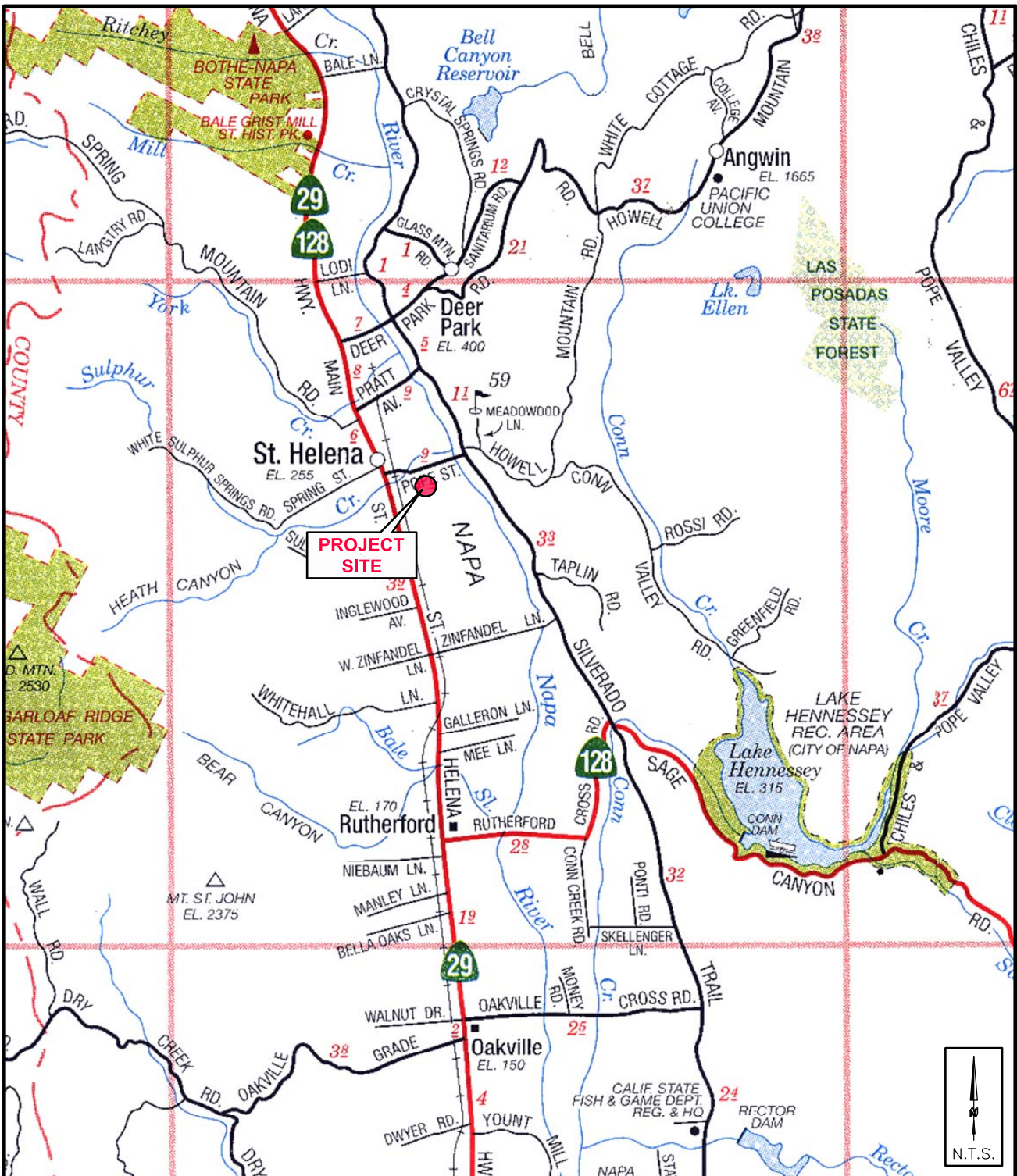
## REFERENCES

EBA Engineering, *Environmental Transaction Screen*, 632 McCorkle Avenue, St. Helena, CA, January 2016, (EBA, 2016a).

EBA Engineering, *Permit and Work Scope – Pre-Construction Hazardous Materials Assessment*, 632 McCorkle Avenue, St. Helena, CA, September 8, 2016 (EBA, 2016b).

San Francisco Bay Regional Water Quality Control Board, Summary of Soil ESLs, February 2016 (Rev. 3).

**APPENDIX A**  
**FIGURES**



**EBA**  
ENGINEERING

825 SONOMA AVENUE  
SUITE C  
SANTA ROSA, CA 95404  
TEL: (707) 544-0784

**LOCATION MAP**

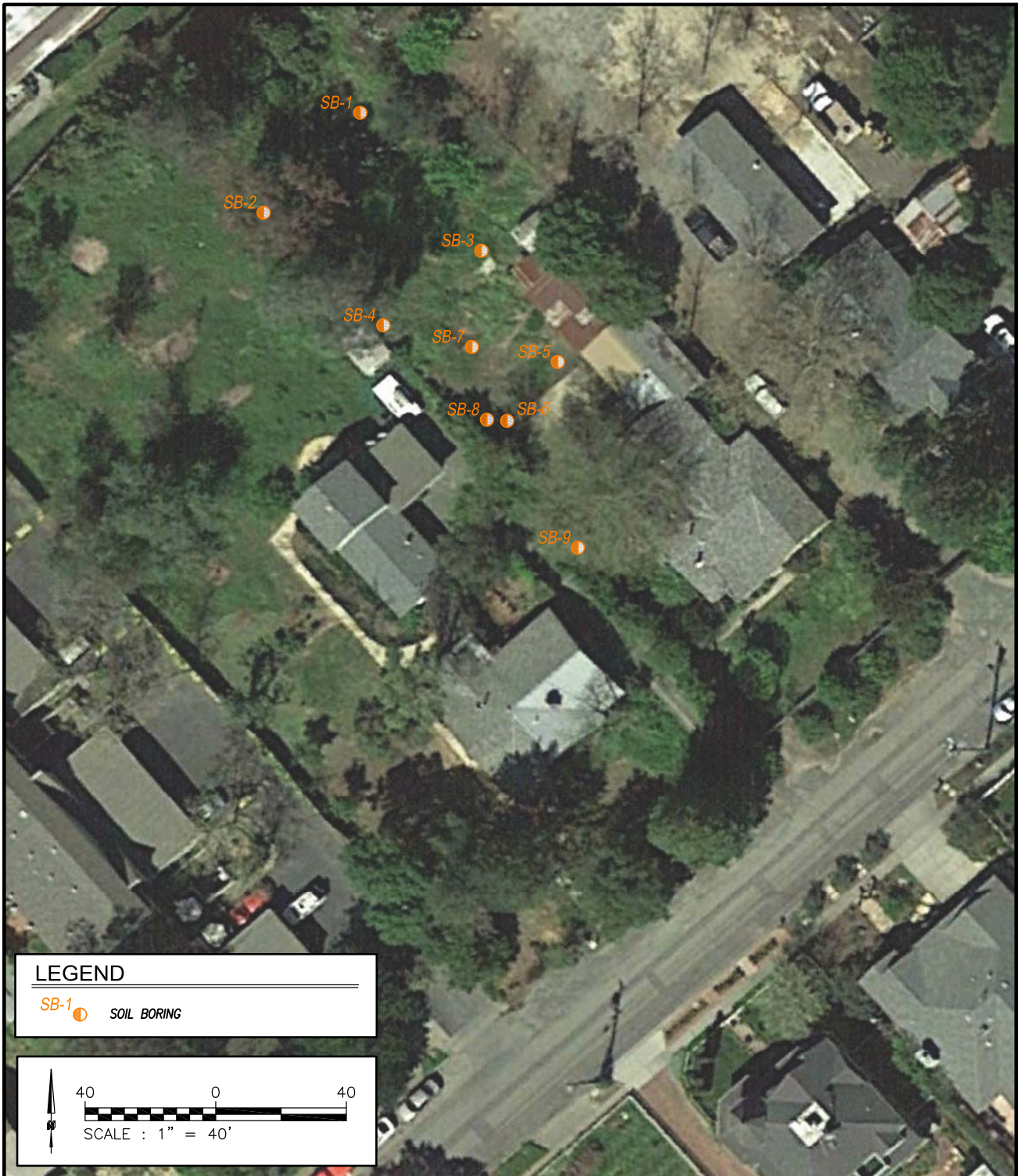
632 MCCORKLE AVENUE  
SAINT HELENA, CALIFORNIA

FIGURE  
**1**

16-2355

Q:\2355\Location Maps.dwg, Location Map, 10/28/2016 8:47:28 AM





**EBA**  
ENGINEERING  
825 SONOMA AVENUE  
SUITE C  
SANTA ROSA, CA 95404  
TEL: (707) 544-0784

**SITE MAP**  
632 MCCORKLE AVENUE  
SAINT HELENA, CALIFORNIA

FIGURE  
**2**  
16-2355

Q:\2355\Site Map.dwg, Fig 2, 10/28/2016 8:46:27 AM





**EBA**  
ENGINEERING  
825 SONOMA AVENUE  
SUITE C  
SANTA ROSA, CA 95404  
TEL: (707) 544-0784

**PROPOSED LIMITS OF EXCAVATION**

632 MCCORKLE AVENUE  
SAINT HELENA, CALIFORNIA

FIGURE  
**3**  
16-2355

Q:\2355\Proposed Limits of Excavation.dwg, Fig 2, 10/28/2016 8:45:25 AM

**APPENDIX B**  
**TABLE**

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**GRO, DRO, HRO, VOCs and CAM 5 metals**  
**632 McCorkle Ave, St. Helena, CA**  
**EBA Project No. 16-2355**

Sample ID	Date Sampled	Depth (feet BGS)	GRO	DRO	HRO	VOCs	Cadmium	Chromium	Lead	Nickel	Zinc
			mg/kg			µg/kg	mg/kg				
S-SB-1-0-6	9/15/2016	0-0.5	<1.00	<10.0	<10.0	ND	<2.50	63.3	43.1	95.4	93.2
S-SB-1-18-24	9/15/2016	1.5-2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-SB-2-0-6	9/15/2016	0-0.5	<1.00	13.5 <sup>A</sup>	23.4	ND	<2.50	59.4	38.2	92.5	82.6
S-SB-2-18-24	9/15/2016	1.5-2.0	NA	<10.0	<10.0	NA	NA	NA	NA	NA	NA
S-SB-3-0-6	9/15/2016	0-0.5	<1.00	<10.0	<10.0	ND	<2.50	62.1	85.2	94.2	187
S-SB-3-18-24	9/15/2016	1.5-2.0	NA	NA	NA	NA	<2.50	53.8	10.9	79.2	55.4
S-SB-4-0-6	9/15/2016	0-0.5	<1.00	<10.0	<10.0	ND	<2.50	62.0	12.5	97.3	57.6
S-SB-4-18-24	9/15/2016	1.5-2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-SB-5-0-6	9/15/2016	0-0.5	<1.00	23.7 <sup>A</sup>	128	ND	8.10	71.0	716	106	1,070
S-SB-5-18-24	9/15/2016	1.5-2.0	NA	<10.0	<10.0	NA	<2.50	67.6	72.9	101	214
S-SB-6-0-6	9/15/2016	0-0.5	<1.00	25.5 <sup>A</sup>	136	ND	8.33	92.8	619	94.3	680
S-SB-6-18-24	9/15/2016	1.5-2.0	NA	<10.0	<10.0	NA	<2.50	67.8	15.2	103	61.7
S-SB-7-0-6	10/12/2016	0-0.5	<1.00	<10.0	20.8	ND	<2.50	73.2	11.9	114	96.3
S-SB-7-18-24	10/12/2016	1.5-2	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-SB-8-0-6	10/12/2016	0-0.5	<1.00	<10.0	<10.0	ND	<2.50	69.0	65.5	99.3	167
S-SB-8-18-24	10/12/2016	1.5-2	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-SB-9-0-6	10/12/2016	0-0.5	<1.00	<10.0	<10.0	ND	<2.50	49.1	30.1	75.9	65.6
S-SB-9-18-24	10/12/2016	1.5-2	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>ESLs</b>			<b>740</b>	<b>230</b>	<b>11,000</b>	<b>Various<sup>B</sup></b>	<b>3.9</b>	<b>---</b>	<b>80</b>	<b>820</b>	<b>23,000</b>

GRO = Gasoline Range Organics.

DRO = Diesel Range Organics.

HRO = Heavy Range Organics .

VOCs = Volatile Organic Compounds.

BGS = Below Ground Surface.

ug/kg = micrograms per kilogram.

mg/kg = milligrams per kilogram.

ND = Not detected at or above respective laboratory limits, please refer to lab report for reporting limits.

NA = Not Analyzed.







<sup>A</sup> = Heavier hydrocarbons contributing to diesel range quantitation.

<sup>B</sup> = Reporting limits were below the respective ESLs for VOCs analyzed for.


ESLs = Environmental Screening Levels for shallow residential soil as published by the San Francisco Bay Regional Water Quality Control Board, February 2016 (Rev. 3).





**APPENDIX C**  
**SOIL BORING LOGS**

		<b>LOG OF EXPLORATORY BORING</b>		PROJECT: <i>McGarble</i>		SHEET <i>1</i> OF <i>1</i>								
				JOB NUMBER: <i>16-2755</i>		BORING: <i>SR-1</i>								
				LOGGED BY: <i>PT</i>		DRILLER: <i>LSA</i>								
				WELL CASING ELEVATION:		DATE: <i>9/5/16</i>								
				EQUIPMENT AND SPECIFICATIONS:										
				<i>Hand Auger</i>										
FIELD LOCATION OF BORING:				↑ N										
<div style="font-size: small;">  BENTONITE   CEMENT-BENTONITE   GROUT   SAND   CONCRETE         </div>														
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/6 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP USCS	DESCRIPTION	CASING CONSTRUCTION
<i>S-5B-1-06</i>		<i>12.5</i>					<i>0</i>			<i>1</i>		<i>diver boring 5:14 of fine gravel, no sand, clay</i>		
							<i>0</i>			<i>2</i>		<i>refusal @ 24'</i>		
<i>S-5B-1-18-21</i>		<i>12.2</i>								<i>3</i>				
										<i>4</i>				
										<i>5</i>				
										<i>6</i>				
										<i>7</i>				
										<i>8</i>				
										<i>9</i>				
										<i>10</i>				
										<i>11</i>				
										<i>12</i>				
										<i>13</i>				
										<i>14</i>				
										<i>15</i>				
										<i>16</i>				
										<i>17</i>				
										<i>18</i>				
										<i>19</i>				
										<i>20</i>				
										<i>21</i>				
										<i>22</i>				
										<i>23</i>				



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		<b>LOG OF EXPLORATORY BORING</b>			PROJECT: 632 McCortle		SHEET 1 OF 1										
					JOB NUMBER: 16-2355		BORING: SB-2										
					LOGGED BY: R. Dolmanowicki		DRILLER:										
					WELL CASING ELEVATION:		DATE: 9/15/16										
FIELD LOCATION OF BORING:					EQUIPMENT AND SPECIFICATIONS: HA to 3'												
BENTONITE CEMENT-BENTONITE GROUT SAND CONCRETE																	
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/8 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP USCS	WATER DEPTH	TIME	DATE	DESCRIPTION	CASING CONSTRUCTION
		5-8-2-0-6 (@ 17:24)					0.0			1						Olive Brown (2.5YR 4/4); Gravelly silt, dry, No odor, smaller gravels than previous borings	
		5-5-2-18-24 (@ 17:44)					0.0			2						Refusal @ 22"	
										3							
										4							
										5							
										6							
										7							
										8							
										9							
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										11							
										12							
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		<b>LOG OF EXPLORATORY BORING</b>			PROJECT: <i>Melville</i>		SHEET <u>1</u> OF <u>1</u>							
					JOB NUMBER: <i>16-2355</i>		BORING: <i>SB-3</i>							
					LOGGED BY: <i>PT</i>		DRILLER:							
					WELL CASING ELEVATION:		DATE: <i>9/15/16</i>							
FIELD LOCATION OF BORING:				↑ <b>N</b>					EQUIPMENT AND SPECIFICATIONS: <i>wand Auger</i>					
														
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/6 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP USCS	DESCRIPTION	CASING CONSTRUCTION
<i>5-5B-3-06</i>		<i>11:30</i>					<i>0</i>			<i>1</i>		<i>10-15% silt &amp; clay, moderate to coarse sand (2-5 yr 7/4)</i>		
<i>5-5B-3-18-24</i>		<i>11:55</i>					<i>0</i>			<i>2</i>		<i>reference @ 25'</i>		
										<i>3</i>				
										<i>4</i>				
										<i>5</i>				
										<i>6</i>				
										<i>7</i>				
										<i>8</i>				
										<i>9</i>				
										<i>10</i>				
										<i>11</i>				
										<i>12</i>				
										<i>13</i>				
										<i>14</i>				
										<i>15</i>				
										<i>16</i>				
										<i>17</i>				
										<i>18</i>				
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										<i>22</i>				
										<i>23</i>				






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		<b>LOG OF EXPLORATORY BORING</b>				PROJECT: 623 Mc Carle		SHEET 1 OF 1										
				JOB NUMBER: 16-2333		BORING: SB-4		DATE: 9/15/16										
FIELD LOCATION OF BORING:					LOGGED BY: R. Delmonowicki    DRILLER:													
					WELL CASING ELEVATION:													
					EQUIPMENT AND SPECIFICATIONS:													
					HA to 3'													
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/6 in.	DEPTH	SAMPLE RECOVERY %	SOIL GROUP USCS	WATER DEPTH	TIME	DATE	DESCRIPTION	CASING CONSTRUCTION	
		5-56-4-0-6					0.0			1							Olive Brown (2.5% 4/4); Gravelly silt, no odor, dry	
		5-56-4-18-24					0.0			2								
										3								Refusal @ 26"; gravel, soil falling out of HA bucket
										4								
										5								
										6								
										7								
										8								
										9								
										10								
										11								
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		<b>LOG OF EXPLORATORY BORING</b>		PROJECT: 16-2358 McLoyle		SHEET 1 OF 1											
				JOB NUMBER: 16-2395		BORING: SB-5											
				LOGGED BY: JST		DRILLER:											
				WELL CASING ELEVATION:		DATE: 9/5/16											
FIELD LOCATION OF BORING:				EQUIPMENT AND SPECIFICATIONS:													
				1-hand Auger													
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/6 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP USCS	WATER DEPTH	TIME	DATE	DESCRIPTION	CASING CONSTRUCTION
1-5B-5-	0-6	10.22					0			1		olive				brown gray silt. nodules, 2.5 x 2.5, Dry	
							0			2						silty gravel	
										3						Refusal @ 25'	
1-5B-5-	18.24	10.48								4							
										5							
										6							
										7							
										8							
										9							
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		<b>LOG OF EXPLORATORY BORING</b>		PROJECT: <i>McLorkle</i>		SHEET <i>1</i> OF <i>1</i>								
				JOB NUMBER: <i>16-2355</i>		BORING: <i>SB-6</i>								
				LOGGED BY: <i>R. Delmanowski</i> DRILLER:		DATE: <i>9/15/16</i>								
FIELD LOCATION OF BORING:				↑ N										
<div style="font-size: small;">  BENTONITE   CEMENT-BENTONITE GROUT   SAND   CONCRETE         </div>				EQUIPMENT AND SPECIFICATIONS: <div style="font-size: large; font-weight: bold;">HA to 3.5'</div>										
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	P/D (ppm)	RECOVERY	BLOWS/6 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP USCS	DESCRIPTION	CASING CONSTRUCTION
		<i>S-SB-6-0-6 @ 10:25</i>					<i>0.0</i>			<i>1</i>		<i>Fig 1</i>	<i>Olive brown (2.5Y 5/4), gravelly silt, no odor</i>	
		<i>S-SB-6-18-24 @ 11:41</i>					<i>0.0</i>			<i>2</i>			<i>Same as above; Olive brown (2.5YR 4/3)</i>	
										<i>3</i>			<i>Refusal @ 29"; Lots of gravel</i>	
										<i>4</i>				
										<i>5</i>				
										<i>6</i>				
										<i>7</i>				
										<i>8</i>				
										<i>9</i>				
										<i>10</i>				
										<i>11</i>				
										<i>12</i>				
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										<i>22</i>				
										<i>23</i>				

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EBA ENGINEERING		LOG OF EXPLORATORY BORING				PROJECT: <i>McCorkle</i>		SHEET <i>1</i> OF <i>1</i>											
FIELD LOCATION OF BORING: <span style="float: right;">↑ N</span>						JOB NUMBER: <i>2355</i>		BORING: <i>S5-7</i>											
						LOGGED BY: <i>PK (EBA)</i>		DRILLER:											
						WELL CASING ELEVATION:		EQUIPMENT AND SPECIFICATIONS:											
						<i>HA + 30"</i>													
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/6 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP	USCS	WATER DEPTH	TIME	DATE	DESCRIPTION	CASING CONSTRUCTION	
	<i>S-SB-7-0-6</i>						<i>11:24</i>											<i>2.5Y 5/2 grayish brown silty w/ gravels</i>	
	<i>S-SB-7-18-24</i>						<i>11:55</i>			<i>1</i>								<i>COBBLES</i>	
										<i>2</i>								<i>→ Refusal @ 23"</i>	
										<i>3</i>								<i>2 1"</i>	
										<i>4</i>								<i>NO odor</i>	
										<i>5</i>									
										<i>6</i>									
										<i>7</i>									
										<i>8</i>									
										<i>9</i>									
										<i>10</i>									
										<i>11</i>									
										<i>12</i>									
										<i>13</i>									
										<i>14</i>									
										<i>15</i>									
										<i>16</i>									
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										<i>18</i>									
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		<b>LOG OF EXPLORATORY BORING</b>			PROJECT: <u>16-2355 McLockle</u>		SHEET <u>1</u> OF <u>1</u>										
					JOB NUMBER:		BORING: <u>SB-8</u>										
					LOGGED BY: <u>R. Delmonico</u>		DATE: <u>10/12/16</u>										
FIELD LOCATION OF BORING:					↑ <b>N</b>												
<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; align-items: center;"></div> <div style="display: flex; align-items: center;"></div> <div style="display: flex; align-items: center;"></div> <div style="display: flex; align-items: center;"></div> <div style="display: flex; align-items: center;"></div> </div>					EQUIPMENT AND SPECIFICATIONS:  <div style="font-size: 1.2em; font-family: cursive;">HA to 30"</div>												
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/8 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP USCS	WATER DEPTH	TIME	DATE	DESCRIPTION	CASING CONSTRUCTION
										1						Olive Brown (2.5R 4/2), Gravelly Silt, Dry, no odor	
										2						Reddish 10 2"	
										3							
										4							
										5							
										6							
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										22							
										23							

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		<b>LOG OF EXPLORATORY BORING</b>				PROJECT: <i>McCorkle</i>		SHEET <i>1</i> OF <i>1</i>											
						JOB NUMBER: <i>2355</i>		BORING: <i>SB-9</i>											
						LOGGED BY: <i>F. Kan (EBA)</i>		DRILLER:											
						WELL CASING ELEVATION:		DATE: <i>10/12/16</i>											
FIELD LOCATION OF BORING:		↑ <b>N</b>				EQUIPMENT AND SPECIFICATIONS:		<i>HA to ~30"</i>											
																			
SAMPLE COND.	SAMPLER TYPE	DRILLING RATE (ft./min.)	SIEVE SAMPLE	CHEMICAL ANALYSIS	STATIC WATER	INITIAL WATER	PID (ppm)	RECOVERY	BLOWS/6 in.	DEPTH	SAMPLE RECOVERY	SOIL GROUP USCS	WATER DEPTH				CASING CONSTRUCTION		
													TIME	DATE	DESCRIPTION				
<i>S-SB</i>	<i>9-0-6</i>					<i>12:19</i>													
<i>S-SB</i>	<i>9-10-24</i>					<i>12:34</i>				<i>1</i>		<i>-</i>							
										<i>2</i>									
										<i>3</i>									
										<i>4</i>									
										<i>5</i>									
										<i>6</i>									
										<i>7</i>									
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**APPENDIX D**  
**CERTIFIED LABORATORY REPORTS**  
**AND**  
**CHAIN OF CUSTODY DOCUMENTATION**

**K PRIME, Inc.**

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.  
 Santa Rosa CA 95403  
 Phone: 707 527 7574  
 FAX: 707 527 7879

**TRANSMITTAL****DATE:** 9/21/2016

**TO:** MR. MATT EARNSHAW  
 EBA ENGINEERING  
 825 SONOMA AVENUE  
 SANTA ROSA, CA 95404

**ACCT:** 9986  
**PROJ:** 16-2355

Phone: 707-544-0784  
 Fax: 707-544-0866  
 Email: dataeba1@ebagroup.com

**FROM:** Richard A. Kage1, Ph.D.  
 Laboratory Director

*RAK MCK  
 9/21/2016*

**SUBJECT:** LABORATORY RESULTS FOR YOUR PROJECT 16-2355

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
S-SB-1-0-6	SOIL	9/15/2016	12:25	147193
S-SB-1-18-24	SOIL	9/15/2016	12:42	147194
S-SB-2-0-6	SOIL	9/15/2016	12:24	147195
S-SB-2-18-24	SOIL	9/15/2016	12:44	147196
S-SB-3-0-6	SOIL	9/15/2016	11:30	147197
S-SB-3-18-24	SOIL	9/15/2016	11:55	147198
S-SB-4-0-6	SOIL	9/15/2016	11:29	147199
S-SB-4-18-24	SOIL	9/15/2016	11:47	147200
S-SB-5-0-6	SOIL	9/15/2016	10:22	147201
S-SB-5-18-24	SOIL	9/15/2016	10:48	147202
S-SB-6-0-6	SOIL	9/15/2016	10:25	147203
S-SB-6-18-24	SOIL	9/15/2016	10:41	147204

The above listed sample group was received on 9/15/2016 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.  
 Thank you for this opportunity to be of service.

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: GRO-GASOLINE RANGE ORGANICS  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE	TIME	BATCH	DATE	MRL	SAMPLE CONC	GRO PATTERN
		SAMPLED	SAMPLED	NO	ANALYZED			
S-SB-1-0-6	147193	09/15/2016	12:25	090816S1	09/16/2016	1.00	ND	
S-SB-2-0-6	147195	09/15/2016	12:24	090816S1	09/16/2016	1.00	ND	
S-SB-3-0-6	147197	09/15/2016	11:30	090816S1	09/16/2016	1.00	ND	
S-SB-4-0-6	147199	09/15/2016	11:29	090816S1	09/16/2016	1.00	ND	
S-SB-5-0-6	147201	09/15/2016	10:22	090816S1	09/16/2016	1.00	ND	
S-SB-6-0-6	147203	09/15/2016	10:25	090816S1	09/16/2016	1.00	ND	

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT

NA - NOT APPLICABLE OR AVAILABLE

MRL - METHOD REPORTING LIMIT

AE - UNKNOWN HYDROCARBON WITH A SINGLE PEAK

AN - UNKNOWN HYDROCARBON WITH SEVERAL PEAKS

AS - HEAVIER HYDROCARBON THAN GASOLINE CONTRIBUTING TO GRO VALUE

CO - HYDROCARBON RESPONSE IN GASOLINE RANGE BUT DOES NOT RESEMBLE GASOLINE

APPROVED BY:                     TJ                      
DATE:                     9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-1-0-6  
LAB NO: 147193  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 12:25  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.76	ND
CHLOROMETHANE	74-87-3	1.76	ND
VINYL CHLORIDE	75-01-4	1.76	ND
BROMOMETHANE	74-83-9	1.76	ND
CHLOROETHANE	75-00-3	1.76	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.76	ND
1,1-DICHLOROETHENE	75-35-4	1.76	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.76	ND
METHYLENE CHLORIDE	75-09-2	8.80	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.76	ND
1,1-DICHLOROETHANE	75-34-3	1.76	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.76	ND
2,2-DICHLOROPROPANE	594-20-7	1.76	ND
BROMOCHLOROMETHANE	74-97-5	1.76	ND
CHLOROFORM	67-66-3	1.76	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.76	ND
CARBON TETRACHLORIDE	56-23-5	1.76	ND
1,1-DICHLOROPROPENE	563-58-6	1.76	ND
BENZENE	71-43-2	1.76	ND
1,2-DICHLOROETHANE	107-06-2	1.76	ND
TRICHLOROETHENE	79-01-6	1.76	ND
1,2-DICHLOROPROPANE	78-87-5	1.76	ND
DIBROMOMETHANE	74-95-3	1.76	ND
BROMODICHLOROMETHANE	75-27-4	1.76	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.76	ND
TOLUENE	108-88-3	1.76	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.76	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.76	ND
TETRACHLOROETHENE	127-18-4	1.76	ND
1,3-DICHLOROPROPANE	142-28-9	1.76	ND
DIBROMOCHLOROMETHANE	124-48-1	1.76	ND
1,2-DIBROMOETHANE	106-93-4	1.76	ND
CHLOROBENZENE	108-90-7	1.76	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.76	ND
ETHYLBENZENE	100-41-4	1.76	ND
XYLENE (M+P)	1330-20-7	1.76	ND
XYLENE (O)	1330-20-7	1.76	ND
STYRENE	100-42-5	1.76	ND
BROMOFORM	75-25-2	1.76	ND
ISOPROPYLBENZENE	98-82-8	1.76	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.76	ND
BROMOBENZENE	108-86-1	1.76	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.76	ND
N-PROPYLBENZENE	103-65-1	1.76	ND
2-CHLOROTOLUENE	95-49-8	1.76	ND

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-1-0-6  
LAB NO: 147193  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 12:25  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.76	ND
4-CHLOROTOLUENE	106-43-4	1.76	ND
TERT-BUTYLBENZENE	98-06-6	1.76	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.76	ND
SEC-BUTYLBENZENE	135-98-8	1.76	ND
1,3-DICHLOROBENZENE	541-73-1	1.76	ND
4-ISOPROPYLTOLUENE	99-87-6	1.76	ND
1,4-DICHLOROBENZENE	106-46-7	1.76	ND
N-BUTYLBENZENE	104-51-8	1.76	ND
1,2-DICHLOROBENZENE	95-50-1	1.76	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.76	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.52	ND
HEXACHLOROBUTADIENE	87-68-3	3.52	ND
NAPHTHALENE	91-20-3	3.52	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.52	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	129
TOLUENE-D8	97
4-BROMOFLUOROBENZENE	82

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: \_\_\_\_\_  
DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-2-0-6  
LAB NO: 147195  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 12:24  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.60	ND
CHLOROMETHANE	74-87-3	1.60	ND
VINYL CHLORIDE	75-01-4	1.60	ND
BROMOMETHANE	74-83-9	1.60	ND
CHLOROETHANE	75-00-3	1.60	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.60	ND
1,1-DICHLOROETHENE	75-35-4	1.60	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.60	ND
METHYLENE CHLORIDE	75-09-2	8.00	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.60	ND
1,1-DICHLOROETHANE	75-34-3	1.60	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.60	ND
2,2-DICHLOROPROPANE	594-20-7	1.60	ND
BROMOCHLOROMETHANE	74-97-5	1.60	ND
CHLOROFORM	67-66-3	1.60	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.60	ND
CARBON TETRACHLORIDE	56-23-5	1.60	ND
1,1-DICHLOROPROPENE	563-58-6	1.60	ND
BENZENE	71-43-2	1.60	ND
1,2-DICHLOROETHANE	107-06-2	1.60	ND
TRICHLOROETHENE	79-01-6	1.60	ND
1,2-DICHLOROPROPANE	78-87-5	1.60	ND
DIBROMOMETHANE	74-95-3	1.60	ND
BROMODICHLOROMETHANE	75-27-4	1.60	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.60	ND
TOLUENE	108-88-3	1.60	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.60	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.60	ND
TETRACHLOROETHENE	127-18-4	1.60	ND
1,3-DICHLOROPROPANE	142-28-9	1.60	ND
DIBROMOCHLOROMETHANE	124-48-1	1.60	ND
1,2-DIBROMOETHANE	106-93-4	1.60	ND
CHLOROBENZENE	108-90-7	1.60	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.60	ND
ETHYLBENZENE	100-41-4	1.60	ND
XYLENE (M+P)	1330-20-7	1.60	ND
XYLENE (O)	1330-20-7	1.60	ND
STYRENE	100-42-5	1.60	ND
BROMOFORM	75-25-2	1.60	ND
ISOPROPYLBENZENE	98-82-8	1.60	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.60	ND
BROMOBENZENE	108-86-1	1.60	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.60	ND
N-PROPYLBENZENE	103-65-1	1.60	ND
2-CHLOROTOLUENE	95-49-8	1.60	ND



**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-2-0-6  
LAB NO: 147195  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 12:24  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.60	ND
4-CHLOROTOLUENE	106-43-4	1.60	ND
TERT-BUTYLBENZENE	98-06-6	1.60	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.60	ND
SEC-BUTYLBENZENE	135-98-8	1.60	ND
1,3-DICHLOROBENZENE	541-73-1	1.60	ND
4-ISOPROPYLTOLUENE	99-87-6	1.60	ND
1,4-DICHLOROBENZENE	106-46-7	1.60	ND
N-BUTYLBENZENE	104-51-8	1.60	ND
1,2-DICHLOROBENZENE	95-50-1	1.60	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.60	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.20	ND
HEXACHLOROBUTADIENE	87-68-3	3.20	ND
NAPHTHALENE	91-20-3	3.20	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.20	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	123
TOLUENE-D8	97
4-BROMOFLUOROBENZENE	73

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: \_\_\_\_\_  
DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-3-0-6  
LAB NO: 147197  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 11:30  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.67	ND
CHLOROMETHANE	74-87-3	1.67	ND
VINYL CHLORIDE	75-01-4	1.67	ND
BROMOMETHANE	74-83-9	1.67	ND
CHLOROETHANE	75-00-3	1.67	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.67	ND
1,1-DICHLOROETHENE	75-35-4	1.67	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.67	ND
METHYLENE CHLORIDE	75-09-2	8.35	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.67	ND
1,1-DICHLOROETHANE	75-34-3	1.67	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.67	ND
2,2-DICHLOROPROPANE	594-20-7	1.67	ND
BROMOCHLOROMETHANE	74-97-5	1.67	ND
CHLOROFORM	67-66-3	1.67	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.67	ND
CARBON TETRACHLORIDE	56-23-5	1.67	ND
1,1-DICHLOROPROPENE	563-58-6	1.67	ND
BENZENE	71-43-2	1.67	ND
1,2-DICHLOROETHANE	107-06-2	1.67	ND
TRICHLOROETHENE	79-01-6	1.67	ND
1,2-DICHLOROPROPANE	78-87-5	1.67	ND
DIBROMOMETHANE	74-95-3	1.67	ND
BROMODICHLOROMETHANE	75-27-4	1.67	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.67	ND
TOLUENE	108-88-3	1.67	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.67	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.67	ND
TETRACHLOROETHENE	127-18-4	1.67	ND
1,3-DICHLOROPROPANE	142-28-9	1.67	ND
DIBROMOCHLOROMETHANE	124-48-1	1.67	ND
1,2-DIBROMOETHANE	106-93-4	1.67	ND
CHLOROBENZENE	108-90-7	1.67	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.67	ND
ETHYLBENZENE	100-41-4	1.67	ND
XYLENE (M+P)	1330-20-7	1.67	ND
XYLENE (O)	1330-20-7	1.67	ND
STYRENE	100-42-5	1.67	ND
BROMOFORM	75-25-2	1.67	ND
ISOPROPYLBENZENE	98-82-8	1.67	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.67	ND
BROMOBENZENE	108-86-1	1.67	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.67	ND
N-PROPYLBENZENE	103-65-1	1.67	ND
2-CHLOROTOLUENE	95-49-8	1.67	ND

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-3-0-6  
LAB NO: 147197  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 11:30  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.67	ND
4-CHLOROTOLUENE	106-43-4	1.67	ND
TERT-BUTYLBENZENE	98-06-6	1.67	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.67	ND
SEC-BUTYLBENZENE	135-98-8	1.67	ND
1,3-DICHLOROBENZENE	541-73-1	1.67	ND
4-ISOPROPYLTOLUENE	99-87-6	1.67	ND
1,4-DICHLOROBENZENE	106-46-7	1.67	ND
N-BUTYLBENZENE	104-51-8	1.67	ND
1,2-DICHLOROBENZENE	95-50-1	1.67	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.67	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.34	ND
HEXACHLOROBUTADIENE	87-68-3	3.34	ND
NAPHTHALENE	91-20-3	3.34	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.34	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	118
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	80

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: TD  
DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-4-0-6  
LAB NO: 147199  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 11:29  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.68	ND
CHLOROMETHANE	74-87-3	1.68	ND
VINYL CHLORIDE	75-01-4	1.68	ND
BROMOMETHANE	74-83-9	1.68	ND
CHLOROETHANE	75-00-3	1.68	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.68	ND
1,1-DICHLOROETHENE	75-35-4	1.68	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.68	ND
METHYLENE CHLORIDE	75-09-2	8.38	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.68	ND
1,1-DICHLOROETHANE	75-34-3	1.68	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.68	ND
2,2-DICHLOROPROPANE	594-20-7	1.68	ND
BROMOCHLOROMETHANE	74-97-5	1.68	ND
CHLOROFORM	67-66-3	1.68	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.68	ND
CARBON TETRACHLORIDE	56-23-5	1.68	ND
1,1-DICHLOROPROPENE	563-58-6	1.68	ND
BENZENE	71-43-2	1.68	ND
1,2-DICHLOROETHANE	107-06-2	1.68	ND
TRICHLOROETHENE	79-01-6	1.68	ND
1,2-DICHLOROPROPANE	78-87-5	1.68	ND
DIBROMOMETHANE	74-95-3	1.68	ND
BROMODICHLOROMETHANE	75-27-4	1.68	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.68	ND
TOLUENE	108-88-3	1.68	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.68	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.68	ND
TETRACHLOROETHENE	127-18-4	1.68	ND
1,3-DICHLOROPROPANE	142-28-9	1.68	ND
DIBROMOCHLOROMETHANE	124-48-1	1.68	ND
1,2-DIBROMOETHANE	106-93-4	1.68	ND
CHLOROBENZENE	108-90-7	1.68	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.68	ND
ETHYLBENZENE	100-41-4	1.68	ND
XYLENE (M+P)	1330-20-7	1.68	ND
XYLENE (O)	1330-20-7	1.68	ND
STYRENE	100-42-5	1.68	ND
BROMOFORM	75-25-2	1.68	ND
ISOPROPYLBENZENE	98-82-8	1.68	ND
1,1,1,2-TETRACHLOROETHANE	79-34-5	1.68	ND
BROMOBENZENE	108-86-1	1.68	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.68	ND
N-PROPYLBENZENE	103-65-1	1.68	ND
2-CHLOROTOLUENE	95-49-8	1.68	ND

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-4-0-6  
LAB NO: 147199  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 11:29  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.68	ND
4-CHLOROTOLUENE	106-43-4	1.68	ND
TERT-BUTYLBENZENE	98-06-6	1.68	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.68	ND
SEC-BUTYLBENZENE	135-98-8	1.68	ND
1,3-DICHLOROBENZENE	541-73-1	1.68	ND
4-ISOPROPYLTOLUENE	99-87-6	1.68	ND
1,4-DICHLOROBENZENE	106-46-7	1.68	ND
N-BUTYLBENZENE	104-51-8	1.68	ND
1,2-DICHLOROBENZENE	95-50-1	1.68	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.68	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.35	ND
HEXACHLOROBUTADIENE	87-68-3	3.35	ND
NAPHTHALENE	91-20-3	3.35	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.35	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	123
TOLUENE-D8	96
4-BROMOFLUOROBENZENE	70

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT

NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: \_\_\_\_\_

DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-5-0-6  
LAB NO: 147201  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 10:22  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.72	ND
CHLOROMETHANE	74-87-3	1.72	ND
VINYL CHLORIDE	75-01-4	1.72	ND
BROMOMETHANE	74-83-9	1.72	ND
CHLOROETHANE	75-00-3	1.72	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.72	ND
1,1-DICHLOROETHENE	75-35-4	1.72	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.72	ND
METHYLENE CHLORIDE	75-09-2	8.60	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.72	ND
1,1-DICHLOROETHANE	75-34-3	1.72	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.72	ND
2,2-DICHLOROPROPANE	594-20-7	1.72	ND
BROMOCHLOROMETHANE	74-97-5	1.72	ND
CHLOROFORM	67-66-3	1.72	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.72	ND
CARBON TETRACHLORIDE	56-23-5	1.72	ND
1,1-DICHLOROPROPENE	563-58-6	1.72	ND
BENZENE	71-43-2	1.72	ND
1,2-DICHLOROETHANE	107-06-2	1.72	ND
TRICHLOROETHENE	79-01-6	1.72	ND
1,2-DICHLOROPROPANE	78-87-5	1.72	ND
DIBROMOMETHANE	74-95-3	1.72	ND
BROMODICHLOROMETHANE	75-27-4	1.72	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.72	ND
TOLUENE	108-88-3	1.72	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.72	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.72	ND
TETRACHLOROETHENE	127-18-4	1.72	ND
1,3-DICHLOROPROPANE	142-28-9	1.72	ND
DIBROMOCHLOROMETHANE	124-48-1	1.72	ND
1,2-DIBROMOETHANE	106-93-4	1.72	ND
CHLOROBENZENE	108-90-7	1.72	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.72	ND
ETHYLBENZENE	100-41-4	1.72	ND
XYLENE (M+P)	1330-20-7	1.72	ND
XYLENE (O)	1330-20-7	1.72	ND
STYRENE	100-42-5	1.72	ND
BROMOFORM	75-25-2	1.72	ND
ISOPROPYLBENZENE	98-82-8	1.72	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.72	ND
BROMOBENZENE	108-86-1	1.72	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.72	ND
N-PROPYLBENZENE	103-65-1	1.72	ND
2-CHLOROTOLUENE	95-49-8	1.72	ND

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-5-0-6  
LAB NO: 147201  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 10:22  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.72	ND
4-CHLOROTOLUENE	106-43-4	1.72	ND
TERT-BUTYLBENZENE	98-06-6	1.72	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.72	ND
SEC-BUTYLBENZENE	135-98-8	1.72	ND
1,3-DICHLOROBENZENE	541-73-1	1.72	ND
4-ISOPROPYLTOLUENE	99-87-6	1.72	ND
1,4-DICHLOROBENZENE	106-46-7	1.72	ND
N-BUTYLBENZENE	104-51-8	1.72	ND
1,2-DICHLOROBENZENE	95-50-1	1.72	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.72	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.44	ND
HEXACHLOROBUTADIENE	87-68-3	3.44	ND
NAPHTHALENE	91-20-3	3.44	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.44	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	129
TOLUENE-D8	93
4-BROMOFLUOROBENZENE	81

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT

NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

*TD*  
9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-6-0-6  
LAB NO: 147203  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 10:25  
BATCH NO: 090816S1  
DATE ANALYZED: 09/19/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.53	ND
CHLOROMETHANE	74-87-3	1.53	ND
VINYL CHLORIDE	75-01-4	1.53	ND
BROMOMETHANE	74-83-9	1.53	ND
CHLOROETHANE	75-00-3	1.53	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.53	ND
1,1-DICHLOROETHENE	75-35-4	1.53	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.53	ND
METHYLENE CHLORIDE	75-09-2	7.63	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.53	ND
1,1-DICHLOROETHANE	75-34-3	1.53	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.53	ND
2,2-DICHLOROPROPANE	594-20-7	1.53	ND
BROMOCHLOROMETHANE	74-97-5	1.53	ND
CHLOROFORM	67-66-3	1.53	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.53	ND
CARBON TETRACHLORIDE	56-23-5	1.53	ND
1,1-DICHLOROPROPENE	563-58-6	1.53	ND
BENZENE	71-43-2	1.53	ND
1,2-DICHLOROETHANE	107-06-2	1.53	ND
TRICHLOROETHENE	79-01-6	1.53	ND
1,2-DICHLOROPROPANE	78-87-5	1.53	ND
DIBROMOMETHANE	74-95-3	1.53	ND
BROMODICHLOROMETHANE	75-27-4	1.53	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.53	ND
TOLUENE	108-88-3	1.53	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.53	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.53	ND
TETRACHLOROETHENE	127-18-4	1.53	ND
1,3-DICHLOROPROPANE	142-28-9	1.53	ND
DIBROMOCHLOROMETHANE	124-48-1	1.53	ND
1,2-DIBROMOETHANE	106-93-4	1.53	ND
CHLOROBENZENE	108-90-7	1.53	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.53	ND
ETHYLBENZENE	100-41-4	1.53	ND
XYLENE (M+P)	1330-20-7	1.53	ND
XYLENE (O)	1330-20-7	1.53	ND
STYRENE	100-42-5	1.53	ND
BROMOFORM	75-25-2	1.53	ND
ISOPROPYLBENZENE	98-82-8	1.53	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.53	ND
BROMOBENZENE	108-86-1	1.53	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.53	ND
N-PROPYLBENZENE	103-65-1	1.53	ND
2-CHLOROTOLUENE	95-49-8	1.53	ND





**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: DRO  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	DRO PATTERN
S-SB-1-0-6	147193	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	ND	
S-SB-2-0-6	147195	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	13.5	AC
S-SB-3-0-6	147197	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	ND	
S-SB-4-0-6	147199	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	ND	
S-SB-5-0-6	147201	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	23.7	AC
S-SB-6-0-6	147203	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	25.5	AC

**NOTES:**

DRO Diesel Range Organics (C12-C23) with Silica Gel Cleanup  
 ND Not Detected at or above the stated MRL  
 NA Not Applicable or Available  
 MRL Method Reporting Limit  
 AD Typical Pattern for Diesel  
 AM Hydrocarbon response is in the C12-C22 range  
 AC Heavier hydrocarbons contributing to diesel range quantitation  
 AJ Heavier hydrocarbon than diesel  
 AK Lighter hydrocarbon than diesel  
 AE Unknown hydrocarbon with a single peak  
 AN Unknown hydrocarbon with several peaks

APPROVED BY: TD  
 DATE: 9/21/2016

**K PRIME, INC.**  
**LABORATORY REPORT**

K PRIME PROJECT: 9986  
 CLIENT PROJECT: 16-2355

METHOD: HRO  
 REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
 UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	HRO PATTERN
S-SB-1-0-6	147193	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	ND	
S-SB-2-0-6	147195	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	23.4	
S-SB-3-0-6	147197	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	ND	
S-SB-4-0-6	147199	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	ND	
S-SB-5-0-6	147201	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	128	
S-SB-6-0-6	147203	09/15/2016	091216S1	09/16/2016	09/16/2016	10.0	136	

**NOTES:**

HRO Heavy Range Organics (C24-C34) with Silica Gel Cleanup  
 ND Not Detected at or above the stated MRL  
 NA Not Applicable or Available  
 MRL Method Reporting Limit  
 AE Unknown hydrocarbon with a single peak  
 AN Unknown hydrocarbon with several peaks

APPROVED BY: TG  
 DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-1-0-6  
LAB NO: 147193  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 12:25  
BATCH ID: 090716S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/21/2016	2.50	ND
CHROMIUM	Cr	09/21/2016	2.50	63.3
LEAD	Pb	09/21/2016	2.50	43.1
NICKEL	Ni	09/21/2016	2.50	95.4
ZINC	Zn	09/21/2016	2.50	93.2

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TJ  
DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-2-0-6  
LAB NO: 147195  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 12:24  
BATCH ID: 090716S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/21/2016	2.50	ND
CHROMIUM	Cr	09/21/2016	2.50	59.4
LEAD	Pb	09/21/2016	2.50	38.2
NICKEL	Ni	09/21/2016	2.50	92.5
ZINC	Zn	09/21/2016	2.50	82.6

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TR  
DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-3-0-6  
LAB NO: 147197  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 11:30  
BATCH ID: 090716S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/21/2016	2.50	ND
CHROMIUM	Cr	09/21/2016	2.50	62.1
LEAD	Pb	09/21/2016	2.50	85.2
NICKEL	Ni	09/21/2016	2.50	94.2
ZINC	Zn	09/21/2016	2.50	187

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TD  
DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-4-0-6  
LAB NO: 147199  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 11:29  
BATCH ID: 090716S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/21/2016	2.50	ND
CHROMIUM	Cr	09/21/2016	2.50	62.0
LEAD	Pb	09/21/2016	2.50	12.5
NICKEL	Ni	09/21/2016	2.50	97.3
ZINC	Zn	09/21/2016	2.50	57.6

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TJ  
DATE: 9/21/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-5-0-6  
LAB NO: 147201  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 10:22  
BATCH ID: 090716S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/21/2016	2.50	8.10
CHROMIUM	Cr	09/21/2016	2.50	71.0
LEAD	Pb	09/21/2016	2.50	713
NICKEL	Ni	09/21/2016	2.50	106
ZINC	Zn	09/21/2016	2.50	1070

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TJ  
DATE: 9/21/2016



**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-6-0-6  
LAB NO: 147203  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 10:25  
BATCH ID: 090716S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/21/2016	2.50	8.33
CHROMIUM	Cr	09/21/2016	2.50	92.8
LEAD	Pb	09/21/2016	2.50	619
NICKEL	Ni	09/21/2016	2.50	94.3
ZINC	Zn	09/21/2016	2.50	680

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TJ  
DATE: 9/21/2016

K PRIME, INC.  
LABORATORY QC REPORT

METHOD: GRO-GASOLINE RANGE ORGANICS  
REFERENCE: EPA 8015B

METHOD BLANK ID: B090816S1  
BATCH NO: 090816S1  
SAMPLE TYPE: SOIL  
UNITS: mg/Kg

DATE EXTRACTED: 09/08/2016  
DATE ANALYZED: 09/08/2016

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	1.00	ND

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

SAMPLE ID: L090816S1  
DUPLICATE ID: D090816S1  
BATCH NO: 090816S1  
SAMPLE TYPE: SOIL  
UNITS: mg/Kg

DATE EXTRACTED: 09/08/2016  
DATE ANALYZED: 09/08/2016

**ACCURACY (MATRIX SPIKE)**

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
TPH-G	5.00	ND	4.82	96	60-140

**PRECISION (SPIKE DUPLICATE)**

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
TPH-G	1.00	4.82	4.70	2.5	±20

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

**K PRIME, INC.**

LABORATORY BATCH QC REPORT

METHOD BLANK ID: B090816S1

BATCH NO: 090816S1

DATE ANALYZED: 09/08/2016

METHOD: VOLATILE ORGANIC COMPOUNDS

SAMPLE TYPE: SOIL

REFERENCE: EPA 5035/8260

UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.50	ND
CHLOROMETHANE	74-87-3	1.50	ND
VINYL CHLORIDE	75-01-4	1.50	ND
BROMOMETHANE	74-83-9	1.50	ND
CHLOROETHANE	75-00-3	1.50	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.50	ND
1,1-DICHLOROETHENE	75-35-4	1.50	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.50	ND
METHYLENE CHLORIDE	75-09-2	7.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.50	ND
1,1-DICHLOROETHANE	75-34-3	1.50	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.50	ND
2,2-DICHLOROPROPANE	594-20-7	1.50	ND
BROMOCHLOROMETHANE	74-97-5	1.50	ND
CHLOROFORM	67-66-3	1.50	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.50	ND
CARBON TETRACHLORIDE	56-23-5	1.50	ND
1,1-DICHLOROPROPENE	563-58-6	1.50	ND
BENZENE	71-43-2	1.50	ND
1,2-DICHLOROETHANE	107-06-2	1.50	ND
TRICHLOROETHENE	79-01-6	1.50	ND
1,2-DICHLOROPROPANE	78-87-5	1.50	ND
DIBROMOMETHANE	74-95-3	1.50	ND
BROMODICHLOROMETHANE	75-27-4	1.50	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.50	ND
TOLUENE	108-88-3	1.50	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.50	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.50	ND
TETRACHLOROETHENE	127-18-4	1.50	ND
1,3-DICHLOROPROPANE	142-28-9	1.50	ND
DIBROMOCHLOROMETHANE	124-48-1	1.50	ND
1,2-DIBROMOETHANE	106-93-4	1.50	ND
CHLOROBENZENE	108-90-7	1.50	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.50	ND
ETHYLBENZENE	100-41-4	1.50	ND
XYLENE (M+P)	1330-20-7	1.50	ND
XYLENE (O)	1330-20-7	1.50	ND
STYRENE	100-42-5	1.50	ND
BROMOFORM	75-25-2	1.50	ND
ISOPROPYLBENZENE	98-82-8	1.50	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.50	ND
BROMOBENZENE	108-86-1	1.50	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.50	ND
N-PROPYLBENZENE	103-65-1	1.50	ND
2-CHLOROTOLUENE	95-49-8	1.50	ND

**K PRIME, INC.**

LABORATORY BATCH QC REPORT

METHOD BLANK ID: B090816S1

BATCH NO: 090816S1

DATE ANALYZED: 09/08/2016

METHOD: VOLATILE ORGANIC COMPOUNDS

SAMPLE TYPE: SOIL

REFERENCE: EPA 5035/8260

UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.50	ND
4-CHLOROTOLUENE	106-43-4	1.50	ND
TERT-BUTYLBENZENE	98-06-6	1.50	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.50	ND
SEC-BUTYLBENZENE	135-98-8	1.50	ND
1,3-DICHLOROBENZENE	541-73-1	1.50	ND
4-ISOPROPYLTOLUENE	99-87-6	1.50	ND
1,4-DICHLOROBENZENE	106-46-7	1.50	ND
N-BUTYLBENZENE	104-51-8	1.50	ND
1,2-DICHLOROBENZENE	95-50-1	1.50	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.50	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.00	ND
HEXACHLOROBUTADIENE	87-68-3	3.00	ND
NAPHTHALENE	91-20-3	3.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	108
TOLUENE-D8	99
4-BROMOFLUOROBENZENE	83

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT

NA - NOT APPLICABLE OR AVAILABLE

**K PRIME, INC.**  
LABORATORY BATCH QC REPORT

SAMPLE ID: B090816S1  
SPIKE ID: L090816S1  
DUPLICATE ID: D090816S1  
BATCH NO: 090816S1  
DATE ANALYZED: 09/08/2016  
SAMPLE TYPE: SOIL  
UNITS: µg/Kg

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
1,1 DICHLOROETHENE	30.0	ND	24.5	82	60-140
BENZENE	30.0	ND	26.2	87	60-140
TRICHLOROETHENE	30.0	ND	27.9	93	60-140
TOLUENE	30.0	ND	25.9	86	60-140
CHLOROBENZENE	30.0	ND	27.0	90	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
1,1 DICHLOROETHENE	1.50	24.5	26.0	5.9	±20
BENZENE	1.50	26.2	25.7	2.1	±20
TRICHLOROETHENE	1.50	27.9	26.3	5.6	±20
TOLUENE	1.50	25.9	25.5	1.4	±20
CHLOROBENZENE	1.50	27.0	27.5	1.7	±20

NOTES:

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT

**K PRIME, INC.**  
LABORATORY QUALITY CONTROL REPORT

BATCH ID: 091216S1  
DATE EXTRACTED: 09/12/2016  
DATE ANALYZED: 09/12/2016

METHOD: DRO  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

METHOD BLANK ID: B091216S1

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	10.0	ND

SAMPLE ID: L091216S1  
DUPLICATE ID: D091216S1

**ACCURACY (MATRIX SPIKE)**

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	500	ND	487	97	60-140

**PRECISION (SPIKE DUPLICATE)**

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	10.0	487	499	2.5	±20

**NOTES:**

DRO - DIESEL RANGE ORGANICS (C12-C34)  
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

**K PRIME, INC.**  
LABORATORY BATCH QC REPORT

SAMPLE ID: L090716S1  
DUPLICATE ID: D090716S1  
METHOD BLANK ID: B092016S1  
BATCH #: 090716S1  
DATE ANALYZED: 09/07/2016

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT		MB mg/kg	SA mg/kg	SR mg/kg	SP mg/kg	SPD mg/kg	SP %R	RPD %
CADMIUM	Cd	<2.50	25.0	0.0	25.0	25.1	100	0.5
CHROMIUM	Cr	<2.50	25.0	0.0	25.2	25.6	101	1.5
LEAD	Pb	<2.50	25.0	0.0	24.8	25.0	99	0.9
NICKEL	Ni	<2.50	25.0	0.0	25.3	25.3	101	0.0
ZINC	Zn	<2.50	25.0	0.0	23.7	23.8	95	0.4

**NOTES:**

ND: NOT DETECTED

MB: METHOD BLANK

SA: SPIKE ADDED

SR: SAMPLE RESULT

SP: SPIKE RESULT

SPD: SPIKE DUPLICATE RESULT

SP(%R): SPIKE % RECOVERY

RPD: RELATIVE PERCENT DIFFERENCE

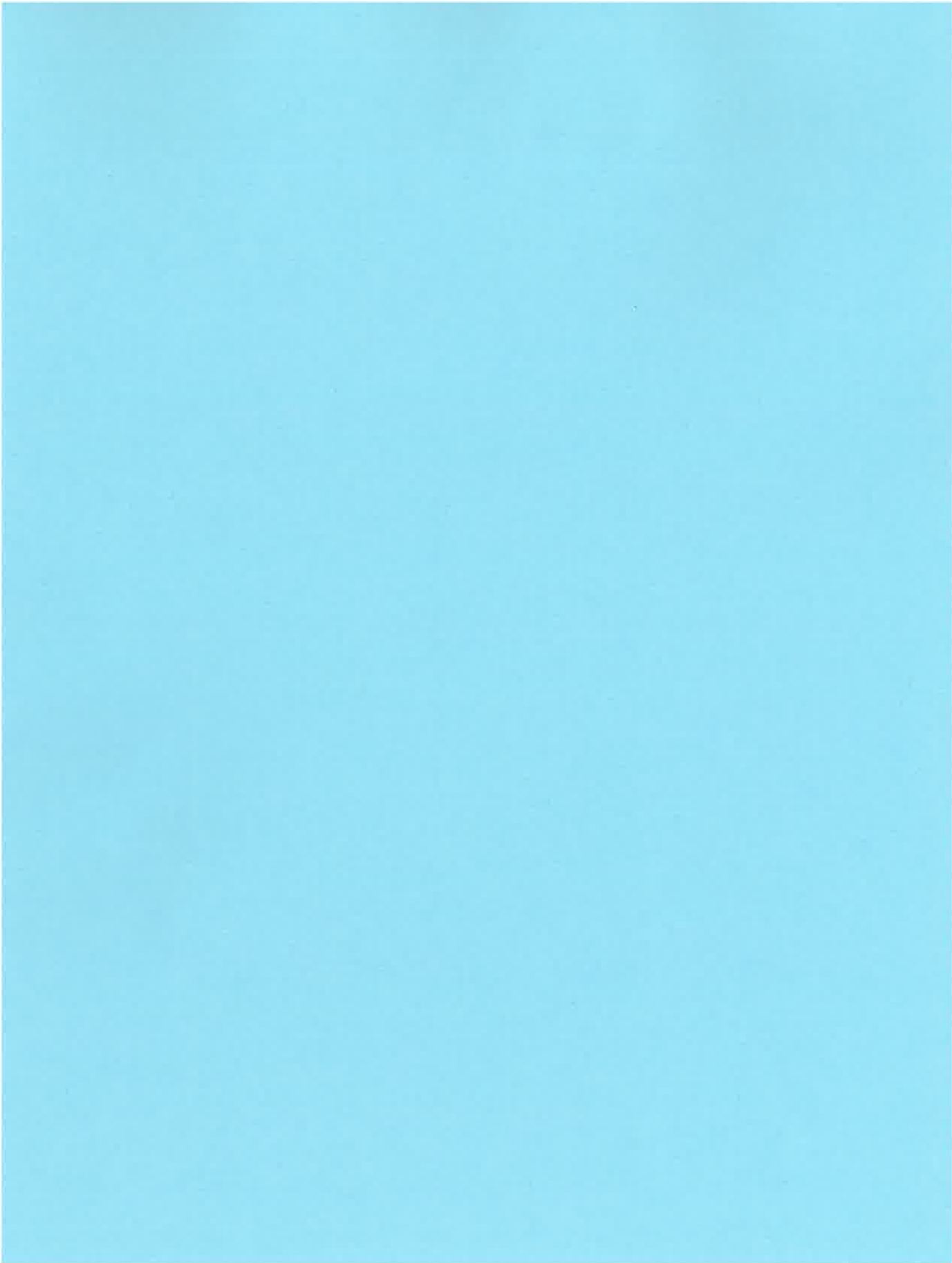
# K PRIME, INC.

# CHAIN OF CUSTODY RECORD

CONSULTING ANALYTICAL CHEMISTS 3621 Westwind Blvd., Santa Rosa, CA 95403 PHONE: (707) 527-7574 FAX: (707) 527-7879

Client/Project ID	Address/Phone	KPI Project No.	ANALYSES		Global ID		
EBA Engineering	825 Sonoma Ave (707) 544-0784	9986	GRA	DRG			
Project Location	Client Project No.		VOCs	HRO			
632 McClockle Ave	16-2355		CAM 5 Metals				
Contact	Sampler (Signature)						
Matt Earnshaw	PLTJL						
Sample Identification No.	Date	Time	Lab Sample No.	Type of Sample	No. of Containers	Expected Turnaround Time	Remarks
S-58-1-0-6	9/15/16	12:25	147193	Soil	1	5-Day	
S-58-1-18-24		12:42	147194			HOLD	HOLD
S-58-2-0-6		12:24	147195			5-Day	
S-58-2-18-24		12:44	147196			HOLD	
S-58-3-0-6		11:30	147197			5-Day	
S-58-3-18-24		11:55	147198			HOLD	
S-58-4-0-6		11:29	147199			5-Day	
S-58-4-18-24		11:47	147200			HOLD	
S-58-5-0-6		10:22	147201			5-Day	
S-58-5-18-24		10:48	147202			HOLD	
S-58-6-0-6		10:25	147203			5-Day	
S-58-6-18-24		10:41	147204			HOLD	
Relinquished by: (Signature)		PLTJL		Received by: (Signature)		Date	Time
Relinquished by: (Signature)				Received by: (Signature)		9/15/16	14:44
Relinquished by: (Signature)				Received by: (Signature)		9/15/16	15:08
Disposal Method				White Copy : Accompanies Samples			
Disposed by: (Signature)				Yellow Copy : Sampler			





**K PRIME, Inc.**

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.  
 Santa Rosa CA 95403  
 Phone: 707 527 7574  
 FAX: 707 527 7879

**TRANSMITTAL****DATE:** 9/27/2016

**TO:** MR. MATT EARNSHAW  
 EBA ENGINEERING  
 825 SONOMA AVENUE  
 SANTA ROSA, CA 95404

**ACCT:** 9986  
**PROJ:** 16-2355

Phone: 707-544-0784  
 Fax: 707-544-0866  
 Email: dataebal@ebagroup.com

**FROM:** Richard A. Kage1, Ph.D.  
 Laboratory Director

*RAK mch  
 9/27/2016*

**SUBJECT:** LABORATORY RESULTS FOR YOUR PROJECT 16-2355

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
S-SB-2-18-24	SOIL	9/15/2016	12:44	147196
S-SB-3-18-24	SOIL	9/15/2016	11:55	147198
S-SB-5-18-24	SOIL	9/15/2016	10:48	147202
S-SB-6-18-24	SOIL	9/15/2016	10:41	147204

The above listed sample group was received on 9/15/2016 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.  
 Thank you for this opportunity to be of service.



**K PRIME, INC.**  
**LABORATORY REPORT**

K PRIME PROJECT: 9986  
 CLIENT PROJECT: 16-2355

METHOD: HRO  
 REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
 UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	HRO PATTERN
S-SB-2-18-24	147196	09/15/2016	091216S1	09/23/2016	09/23/2016	10.0	ND	
S-SB-5-18-24	147202	09/15/2016	091216S1	09/23/2016	09/23/2016	10.0	ND	
S-SB-6-18-24	147204	09/15/2016	091216S1	09/23/2016	09/23/2016	10.0	ND	

**NOTES:**

HRO Heavy Range Organics (C24-C34) with Silica Gel Cleanup  
 ND Not Detected at or above the stated MRL  
 NA Not Applicable or Available  
 MRL Method Reporting Limit  
 AE Unknown hydrocarbon with a single peak  
 AN Unknown hydrocarbon with several peaks

APPROVED BY: TJ  
 DATE: 9/27/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-3-18-24  
LAB NO: 147198  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 11:55  
BATCH ID: 092616S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/27/2016	2.50	ND
CHROMIUM	Cr	09/27/2016	2.50	53.8
LEAD	Pb	09/27/2016	2.50	10.9
NICKEL	Ni	09/27/2016	2.50	79.2
ZINC	Zn	09/27/2016	2.50	55.4

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TJ  
DATE: 9/27/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-5-18-24  
LAB NO: 147202  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 10:48  
BATCH ID: 092616S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/27/2016	2.50	ND
CHROMIUM	Cr	09/27/2016	2.50	67.6
LEAD	Pb	09/27/2016	2.50	72.9
NICKEL	Ni	09/27/2016	2.50	101
ZINC	Zn	09/27/2016	2.50	214

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TS  
DATE: 9/27/2016

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-6-18-24  
LAB NO: 147204  
DATE SAMPLED: 09/15/2016  
TIME SAMPLED: 10:41  
BATCH ID: 092616S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	09/27/2016	2.50	ND
CHROMIUM	Cr	09/27/2016	2.50	67.8
LEAD	Pb	09/27/2016	2.50	15.2
NICKEL	Ni	09/27/2016	2.50	103
ZINC	Zn	09/27/2016	2.50	61.7

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: TJ  
DATE: 9/27/2016

**K PRIME, INC.**  
LABORATORY QUALITY CONTROL REPORT

BATCH ID: 091216S1  
DATE EXTRACTED: 09/12/2016  
DATE ANALYZED: 09/12/2016

METHOD: DRO  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

METHOD BLANK ID: B091216S1

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	10.0	ND

SAMPLE ID: L091216S1  
DUPLICATE ID: D091216S1

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	500	ND	487	97	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	10.0	487	499	2.5	±20

NOTES:

DRO - DIESEL RANGE ORGANICS (C12-C34)  
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE



**K PRIME, INC.**  
LABORATORY BATCH QC REPORT

SAMPLE ID: L092616S1  
DUPLICATE ID: D092616S1  
METHOD BLANK ID: B092616S1  
BATCH #: 092616S1  
DATE ANALYZED: 09/27/2016

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT		MB mg/kg	SA mg/kg	SR mg/kg	SP mg/kg	SPD mg/kg	SP %R	RPD %
CADMIUM	Cd	<2.50	25.0	0.0	24.6	24.6	98	0.0
CHROMIUM	Cr	<2.50	25.0	0.0	24.5	24.4	98	0.6
LEAD	Pb	<2.50	25.0	0.0	24.7	25.5	99	3.1
NICKEL	Ni	<2.50	25.0	0.0	24.8	24.9	99	0.3
ZINC	Zn	<2.50	25.0	0.0	23.7	24.2	95	1.8

**NOTES:**

ND: NOT DETECTED  
MB: METHOD BLANK  
SA: SPIKE ADDED  
SR: SAMPLE RESULT  
SP: SPIKE RESULT  
SPD: SPIKE DUPLICATE RESULT  
SP(%R): SPIKE % RECOVERY  
RPD: RELATIVE PERCENT DIFFERENCE

**K PRIME, INC.**  
LABORATORY BATCH QC REPORT

SAMPLE ID: MS147198  
DUPLICATE ID: SD147198  
METHOD BLANK ID: B092616S1  
BATCH #: 092616S1  
DATE ANALYZED: 09/27/2016

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT		MB mg/kg	SA mg/kg	SR mg/kg	SP mg/kg	SPD mg/kg	SP %R	RPD %
CADMIUM	Cd	<2.50	25.0	<2.50	24.0	23.8	95	0.6
CHROMIUM	Cr	<2.50	25.0	53.8	80.2	80.3	106	0.1
LEAD	Pb	<2.50	25.0	10.9	37.1	36.7	105	1.1
NICKEL	Ni	<2.50	25.0	79.2	108	115	113	6.6
ZINC	Zn	<2.50	25.0	55.4	81.6	83.7	105	2.5

**NOTES:**

ND: NOT DETECTED  
MB: METHOD BLANK  
SA: SPIKE ADDED  
SR: SAMPLE RESULT  
SP: SPIKE RESULT  
SPD: SPIKE DUPLICATE RESULT  
SP(%R): SPIKE % RECOVERY  
RPD: RELATIVE PERCENT DIFFERENCE

Please perform the additional Analyses indicated below 5-Day turnaround (PT)

# K PRIME, INC.

CONSULTING ANALYTICAL CHEMISTS 3621 Westwind Blvd., Santa Rosa, CA 95403 PHONE: (707) 527-7574 FAX: (707) 527-7879

Client/Project ID	Address/Phone		KPI Project No.					
	Project Location	Client Project No.	EDF	Log Code:				
EBA Engineering 632 McLockle Ave. Contact: Matt Earnshaw	825 Inman Ave (707) 544-0789 16-2755	9986	<input type="checkbox"/>					
Sample Identification No.	Date	Sampler (Signature)	Lab Sample No.	Type of Sample	No. of Containers	Global ID	Expected Turnaround Time	Remarks
S-58-1-0-6	9/15/16	PTZ	147193	Soil	1		5-day	
S-58-1-18-24			147194				HOLD	HOLD
S-58-2-0-6			147195				5-Day	5-DAY
S-58-2-18-24			147196				HOLD	HOLD
S-58-3-0-6			147197				5-Day	
S-58-3-18-24			147198				HOLD	HOLD
S-58-4-0-6			147199				5-Day	
S-58-4-18-24			147200				HOLD	HOLD
S-58-5-0-6			147201				5-Day	
S-58-5-18-24			147202				HOLD	HOLD
S-58-6-0-6			147203				5-Day	
S-58-6-18-24			147204				HOLD	HOLD
Relinquished by: (Signature)		PTZ		Received by: (Signature)		Date: 9/15/16		Time: 15:08
Relinquished by: (Signature)				Received by: (Signature)		Date: 9/15/16		Time: 15:08
Relinquished by: (Signature)				Received by: (Signature)		Date: 9/15/16		Time: 15:08
Disposal Method				White Copy : Accompanies Samples		Yellow Copy : Sampler		
Disposed by: (Signature)				Date	Time			

# K PRIME, INC.

# CHAIN OF CUSTODY RECORD

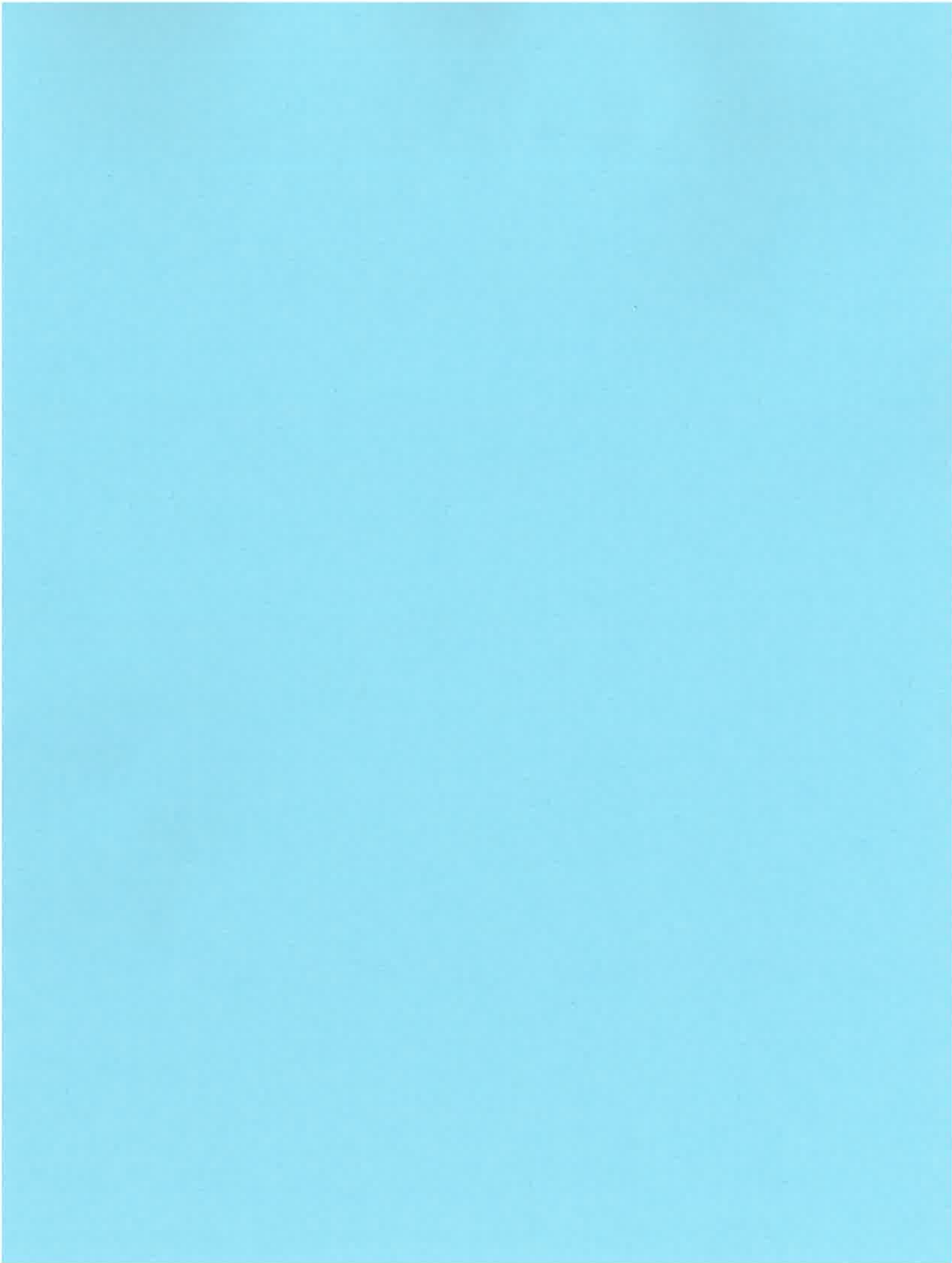
CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd., Santa Rosa, CA 95403

PHONE: (707) 527-7574

FAX: (707) 527-7879

Client/Project ID		Address/Phone		KPI Project No.			
EPA Engineering		825 Sonoma Ave		9986			
Project Location		Client Project No.		ANALYSES			
632 McClellan Ave		16-2355		<input type="checkbox"/> EDF    Log Code: _____			
Contact		Sampler (Signature)		Global ID			
Matt Earnshaw		<i>Pl Tze</i>					
Sample Identification No.	Date	Time	Lab Sample No.	Type of Sample	No. of Containers	Expected Turnaround Time	Remarks
S-58-1-0-6	9/15/16	12:25	147193	Soil	1	5-day	
S-58-1-18-24		12:42	147194			HOLD	HOLD
S-58-2-0-6		12:24	147195			5-Day	
S-58-2-18-24		12:44	147196			HOLD	
S-58-3-0-6		11:30	147197			5-Day	
<del>S-58-3-18-24</del>		11:55	147198			HOLD	
S-58-4-0-6		11:29	147199			5-Day	
S-58-4-18-24		11:47	147200			HOLD	
S-58-5-0-6		10:22	147201			5-Day	
S-58-5-18-24		10:48	147202			HOLD	
S-58-6-0-6		10:25	147203			5-Day	
S-58-6-18-24		10:41	147204			HOLD	
Relinquished by: (Signature)		<i>Pl Tze</i>		Received by: (Signature)		Date	Time
Relinquished by: (Signature)		<i>[Signature]</i>		Received by: (Signature)		9/15/16	14:49
Relinquished by: (Signature)		<i>[Signature]</i>		Received by: (Signature)		9/15/16	15:08
Relinquished by: (Signature)		<i>[Signature]</i>		Received by: (Signature)		Date	Time
Disposal Method		Date		Time		White Copy : Accompanies Samples Yellow Copy : Sampler	
Disposed by: (Signature)		Date		Time			



**K PRIME, Inc.**

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.  
 Santa Rosa CA 95403  
 Phone: 707 527 7574  
 FAX: 707 527 7879

**TRANSMITTAL****DATE:** 10/18/2016

**TO:** MR. MATT EARNSHAW  
 EBA ENGINEERING  
 825 SONOMA AVENUE  
 SANTA ROSA, CA 95404

**ACCT:** 9986  
**PROJ:** 16-2355

Phone: 707-544-0784  
 Fax: 707-544-0866  
 Email: dataeba1@ebagroup.com

**FROM:** Richard A. Kagel, Ph.D.  
 Laboratory Director *RAK/mc 10/18/2016*

**SUBJECT:** LABORATORY RESULTS FOR YOUR PROJECT 16-2355

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
S-SB-7-0-6	SOIL	10/12/2016	11:24	148149
S-SB-8-0-6	SOIL	10/12/2016	11:42	148151
S-SB-9-0-6	SOIL	10/12/2016	12:19	148153

The above listed sample group was received on 10/12/2016 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.  
 Thank you for this opportunity to be of service.

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: GRO-GASOLINE RANGE ORGANICS  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	TIME SAMPLED	BATCH NO	DATE ANALYZED	MRL	SAMPLE CONC	GRO PATTERN
S-SB-7-0-6	148149	10/12/2016	11:24	100316S1	10/12/2016	1.00	ND	
S-SB-8-0-6	148151	10/12/2016	11:42	100316S1	10/12/2016	1.00	ND	
S-SB-9-0-6	148153	10/12/2016	12:19	100316S1	10/12/2016	1.00	ND	

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT

NA - NOT APPLICABLE OR AVAILABLE

MRL - METHOD REPORTING LIMIT

AE - UNKNOWN HYDROCARBON WITH A SINGLE PEAK

AN - UNKNOWN HYDROCARBON WITH SEVERAL PEAKS

AS - HEAVIER HYDROCARBON THAN GASOLINE CONTRIBUTING TO GRO VALUE

CO - HYDROCARBON RESPONSE IN GASOLINE RANGE BUT DOES NOT RESEMBLE GASOLINE

APPROVED BY: 

DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-7-0-6  
LAB NO: 148149  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 11:24  
BATCH NO: 100716S1  
DATE ANALYZED: 10/12/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.85	ND
CHLOROMETHANE	74-87-3	1.85	ND
VINYL CHLORIDE	75-01-4	1.85	ND
BROMOMETHANE	74-83-9	1.85	ND
CHLOROETHANE	75-00-3	1.85	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.85	ND
1,1-DICHLOROETHENE	75-35-4	1.85	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.85	ND
METHYLENE CHLORIDE	75-09-2	9.25	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.85	ND
1,1-DICHLOROETHANE	75-34-3	1.85	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.85	ND
2,2-DICHLOROPROPANE	594-20-7	1.85	ND
BROMOCHLOROMETHANE	74-97-5	1.85	ND
CHLOROFORM	67-66-3	1.85	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.85	ND
CARBON TETRACHLORIDE	56-23-5	1.85	ND
1,1-DICHLOROPROPENE	563-58-6	1.85	ND
BENZENE	71-43-2	1.85	ND
1,2-DICHLOROETHANE	107-06-2	1.85	ND
TRICHLOROETHENE	79-01-6	1.85	ND
1,2-DICHLOROPROPANE	78-87-5	1.85	ND
DIBROMOMETHANE	74-95-3	1.85	ND
BROMODICHLOROMETHANE	75-27-4	1.85	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.85	ND
TOLUENE	108-88-3	1.85	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.85	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.85	ND
TETRACHLOROETHENE	127-18-4	1.85	ND
1,3-DICHLOROPROPANE	142-28-9	1.85	ND
DIBROMOCHLOROMETHANE	124-48-1	1.85	ND
1,2-DIBROMOETHANE	106-93-4	1.85	ND
CHLOROBENZENE	108-90-7	1.85	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.85	ND
ETHYLBENZENE	100-41-4	1.85	ND
XYLENE (M+P)	1330-20-7	1.85	ND
XYLENE (O)	1330-20-7	1.85	ND
STYRENE	100-42-5	1.85	ND
BROMOFORM	75-25-2	1.85	ND
ISOPROPYLBENZENE	98-82-8	1.85	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.85	ND
BROMOBENZENE	108-86-1	1.85	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.85	ND
N-PROPYLBENZENE	103-65-1	1.85	ND
2-CHLOROTOLUENE	95-49-8	1.85	ND



**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-7-0-6  
LAB NO: 148149  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 11:24  
BATCH NO: 100716S1  
DATE ANALYZED: 10/12/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.85	ND
4-CHLOROTOLUENE	106-43-4	1.85	ND
TERT-BUTYLBENZENE	98-06-6	1.85	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.85	ND
SEC-BUTYLBENZENE	135-98-8	1.85	ND
1,3-DICHLOROBENZENE	541-73-1	1.85	ND
4-ISOPROPYLTOLUENE	99-87-6	1.85	ND
1,4-DICHLOROBENZENE	106-46-7	1.85	ND
N-BUTYLBENZENE	104-51-8	1.85	ND
1,2-DICHLOROBENZENE	95-50-1	1.85	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.85	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.70	ND
HEXACHLOROBUTADIENE	87-68-3	3.70	ND
NAPHTHALENE	91-20-3	3.70	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.70	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	120
TOLUENE-D8	99
4-BROMOFLUOROBENZENE	85

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: 

DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-8-0-6  
LAB NO: 148151  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 11:42  
BATCH NO: 100716S1  
DATE ANALYZED: 10/13/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	3.10	ND
CHLOROMETHANE	74-87-3	3.10	ND
VINYL CHLORIDE	75-01-4	3.10	ND
BROMOMETHANE	74-83-9	3.10	ND
CHLOROETHANE	75-00-3	3.10	ND
TRICHLOROFLUOROMETHANE	75-69-4	3.10	ND
1,1-DICHLOROETHENE	75-35-4	3.10	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	3.10	ND
METHYLENE CHLORIDE	75-09-2	15.5	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	3.10	ND
1,1-DICHLOROETHANE	75-34-3	3.10	ND
CIS-1,2-DICHLOROETHENE	156-59-2	3.10	ND
2,2-DICHLOROPROPANE	594-20-7	3.10	ND
BROMOCHLOROMETHANE	74-97-5	3.10	ND
CHLOROFORM	67-66-3	3.10	ND
1,1,1-TRICHLOROETHANE	71-55-6	3.10	ND
CARBON TETRACHLORIDE	56-23-5	3.10	ND
1,1-DICHLOROPROPENE	563-58-6	3.10	ND
BENZENE	71-43-2	3.10	ND
1,2-DICHLOROETHANE	107-06-2	3.10	ND
TRICHLOROETHENE	79-01-6	3.10	ND
1,2-DICHLOROPROPANE	78-87-5	3.10	ND
DIBROMOMETHANE	74-95-3	3.10	ND
BROMODICHLOROMETHANE	75-27-4	3.10	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	3.10	ND
TOLUENE	108-88-3	3.10	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	3.10	ND
1,1,2-TRICHLOROETHANE	79-00-5	3.10	ND
TETRACHLOROETHENE	127-18-4	3.10	ND
1,3-DICHLOROPROPANE	142-28-9	3.10	ND
DIBROMOCHLOROMETHANE	124-48-1	3.10	ND
1,2-DIBROMOETHANE	106-93-4	3.10	ND
CHLOROBENZENE	108-90-7	3.10	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	3.10	ND
ETHYLBENZENE	100-41-4	3.10	ND
XYLENE (M+P)	1330-20-7	3.10	ND
XYLENE (O)	1330-20-7	3.10	ND
STYRENE	100-42-5	3.10	ND
BROMOFORM	75-25-2	3.10	ND
ISOPROPYLBENZENE	98-82-8	3.10	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	3.10	ND
BROMOBENZENE	108-86-1	3.10	ND
1,2,3-TRICHLOROPROPANE	96-18-4	3.10	ND
N-PROPYLBENZENE	103-65-1	3.10	ND
2-CHLOROTOLUENE	95-49-8	3.10	ND

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-8-0-6  
LAB NO: 148151  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 11:42  
BATCH NO: 100716S1  
DATE ANALYZED: 10/13/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	3.10	ND
4-CHLOROTOLUENE	106-43-4	3.10	ND
TERT-BUTYLBENZENE	98-06-6	3.10	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	3.10	ND
SEC-BUTYLBENZENE	135-98-8	3.10	ND
1,3-DICHLOROBENZENE	541-73-1	3.10	ND
4-ISOPROPYLTOLUENE	99-87-6	3.10	ND
1,4-DICHLOROBENZENE	106-46-7	3.10	ND
N-BUTYLBENZENE	104-51-8	3.10	ND
1,2-DICHLOROBENZENE	95-50-1	3.10	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	3.10	ND
1,2,4-TRICHLOROBENZENE	120-82-1	6.19	ND
HEXACHLOROBUTADIENE	87-68-3	6.19	ND
NAPHTHALENE	91-20-3	6.19	ND
1,2,3-TRICHLOROBENZENE	87-61-6	6.19	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	125
TOLUENE-D8	103
4-BROMOFLUOROBENZENE	80

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: *eri*  
DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-9-0-6  
LAB NO: 148153  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 12:19  
BATCH NO: 100716S1  
DATE ANALYZED: 10/13/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	3.68	ND
CHLOROMETHANE	74-87-3	3.68	ND
VINYL CHLORIDE	75-01-4	3.68	ND
BROMOMETHANE	74-83-9	3.68	ND
CHLOROETHANE	75-00-3	3.68	ND
TRICHLOROFLUOROMETHANE	75-69-4	3.68	ND
1,1-DICHLOROETHENE	75-35-4	3.68	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	3.68	ND
METHYLENE CHLORIDE	75-09-2	18.4	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	3.68	ND
1,1-DICHLOROETHANE	75-34-3	3.68	ND
CIS-1,2-DICHLOROETHENE	156-59-2	3.68	ND
2,2-DICHLOROPROPANE	594-20-7	3.68	ND
BROMOCHLOROMETHANE	74-97-5	3.68	ND
CHLOROFORM	67-66-3	3.68	ND
1,1,1-TRICHLOROETHANE	71-55-6	3.68	ND
CARBON TETRACHLORIDE	56-23-5	3.68	ND
1,1-DICHLOROPROPENE	563-58-6	3.68	ND
BENZENE	71-43-2	3.68	ND
1,2-DICHLOROETHANE	107-06-2	3.68	ND
TRICHLOROETHENE	79-01-6	3.68	ND
1,2-DICHLOROPROPANE	78-87-5	3.68	ND
DIBROMOMETHANE	74-95-3	3.68	ND
BROMODICHLOROMETHANE	75-27-4	3.68	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	3.68	ND
TOLUENE	108-88-3	3.68	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	3.68	ND
1,1,2-TRICHLOROETHANE	79-00-5	3.68	ND
TETRACHLOROETHENE	127-18-4	3.68	ND
1,3-DICHLOROPROPANE	142-28-9	3.68	ND
DIBROMOCHLOROMETHANE	124-48-1	3.68	ND
1,2-DIBROMOETHANE	106-93-4	3.68	ND
CHLOROBENZENE	108-90-7	3.68	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	3.68	ND
ETHYLBENZENE	100-41-4	3.68	ND
XYLENE (M+P)	1330-20-7	3.68	ND
XYLENE (O)	1330-20-7	3.68	ND
STYRENE	100-42-5	3.68	ND
BROMOFORM	75-25-2	3.68	ND
ISOPROPYLBENZENE	98-82-8	3.68	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	3.68	ND
BROMOBENZENE	108-86-1	3.68	ND
1,2,3-TRICHLOROPROPANE	96-18-4	3.68	ND
N-PROPYLBENZENE	103-65-1	3.68	ND
2-CHLOROTOLUENE	95-49-8	3.68	ND

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

SAMPLE ID: S-SB-9-0-6  
LAB NO: 148153  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 12:19  
BATCH NO: 100716S1  
DATE ANALYZED: 10/13/2016

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

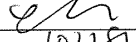
SAMPLE TYPE: SOIL  
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	3.68	ND
4-CHLOROTOLUENE	106-43-4	3.68	ND
TERT-BUTYLBENZENE	98-06-6	3.68	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	3.68	ND
SEC-BUTYLBENZENE	135-98-8	3.68	ND
1,3-DICHLOROBENZENE	541-73-1	3.68	ND
4-ISOPROPYLTOLUENE	99-87-6	3.68	ND
1,4-DICHLOROBENZENE	106-46-7	3.68	ND
N-BUTYLBENZENE	104-51-8	3.68	ND
1,2-DICHLOROBENZENE	95-50-1	3.68	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	3.68	ND
1,2,4-TRICHLOROBENZENE	120-82-1	7.35	ND
HEXACHLOROBUTADIENE	87-68-3	7.35	ND
NAPHTHALENE	91-20-3	7.35	ND
1,2,3-TRICHLOROBENZENE	87-61-6	7.35	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	120
TOLUENE-D8	97
4-BROMOFLUOROBENZENE	82

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY:   
DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: DRO  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	DRO PATTERN
S-SB-7-0-6	148149	10/12/2016	092916S1	10/12/2016	10/12/2016	10.0	ND	
S-SB-8-0-6	148151	10/12/2016	092916S1	10/12/2016	10/12/2016	10.0	ND	
S-SB-9-0-6	148153	10/12/2016	092916S1	10/12/2016	10/12/2016	10.0	ND	

**NOTES:**

DRO Diesel Range Organics (C12-C23) with Silica Gel Cleanup  
 ND Not Detected at or above the stated MRL  
 NA Not Applicable or Available  
 MRL Method Reporting Limit  
 AD Typical Pattern for Diesel  
 AM Hydrocarbon response is in the C12-C22 range  
 AC Heavier hydrocarbons contributing to diesel range quantitation  
 AJ Heavier hydrocarbon than diesel  
 AK Lighter hydrocarbon than diesel  
 AE Unknown hydrocarbon with a single peak  
 AN Unknown hydrocarbon with several peaks

APPROVED BY: 

DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: HRO  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	HRO PATTERN
S-SB-7-0-6	148149	10/12/2016	092916S1	10/12/2016	10/12/2016	10.0	20.8	
S-SB-8-0-6	148151	10/12/2016	092916S1	10/12/2016	10/12/2016	10.0	ND	
S-SB-9-0-6	148153	10/12/2016	092916S1	10/12/2016	10/12/2016	10.0	ND	

**NOTES:**

HRO Heavy Range Organics (C24-C34) with Silica Gel Cleanup  
 ND Not Detected at or above the stated MRL  
 NA Not Applicable or Available  
 MRL Method Reporting Limit  
 AE Unknown hydrocarbon with a single peak  
 AN Unknown hydrocarbon with several peaks

APPROVED BY: *Or*  
 DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE ID: S-SB-7-0-6  
LAB NO: 148149  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 11:24  
BATCH ID: 101116S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	10/14/2016	2.50	ND
CHROMIUM	Cr	10/14/2016	2.50	73.2
LEAD	Pb	10/14/2016	2.50	11.9
NICKEL	Ni	10/14/2016	2.50	114
ZINC	Zn	10/14/2016	2.50	96.3

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY:   
DATE: 10/18/16



**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A


SAMPLE ID: S-SB-8-0-6  
LAB NO: 148151  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 11:42  
BATCH ID: 101116S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	10/14/2016	2.50	ND
CHROMIUM	Cr	10/14/2016	2.50	69.0
LEAD	Pb	10/14/2016	2.50	65.5
NICKEL	Ni	10/14/2016	2.50	99.3
ZINC	Zn	10/14/2016	2.50	167

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY:   
DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY REPORT

K PRIME PROJECT: 9986  
CLIENT PROJECT: 16-2355

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

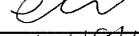
SAMPLE ID: S-SB-9-0-6  
LAB NO: 148153  
DATE SAMPLED: 10/12/2016  
TIME SAMPLED: 12:19  
BATCH ID: 101116S1

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	10/14/2016	2.50	ND
CHROMIUM	Cr	10/14/2016	2.50	49.1
LEAD	Pb	10/14/2016	2.50	30.1
NICKEL	Ni	10/14/2016	2.50	75.9
ZINC	Zn	10/14/2016	2.50	65.6

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY:   
DATE: 10/18/16

**K PRIME, INC.**  
LABORATORY QC REPORT

METHOD BLANK ID: B100316S1  
BATCH NO: 100316S1  
SAMPLE TYPE: SOIL  
UNITS: mg/Kg

METHOD: GRO-GASOLINE RANGE ORGANICS  
REFERENCE: EPA 8015B

DATE EXTRACTED: 10/03/2016  
DATE ANALYZED: 10/03/2016

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	1.00	ND

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

SAMPLE ID: L100316S1  
DUPLICATE ID: D100316S1  
BATCH NO: 100316S1  
SAMPLE TYPE: SOIL  
UNITS: mg/Kg

DATE EXTRACTED: 10/03/2016  
DATE ANALYZED: 10/03/2016

**ACCURACY (MATRIX SPIKE)**

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
TPH-G	5.00	ND	4.64	93	60-140

**PRECISION (SPIKE DUPLICATE)**

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
TPH-G	1.00	4.64	4.56	1.7	±20

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT AVAILABLE OR APPLICABLE

**K PRIME, INC.**

LABORATORY BATCH QC REPORT

METHOD BLANK ID: B100716S1

BATCH NO: 100716S1

DATE ANALYZED: 10/07/2016

METHOD: VOLATILE ORGANIC COMPOUNDS

SAMPLE TYPE: SOIL

REFERENCE: EPA 5035/8260

UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.50	ND
CHLOROMETHANE	74-87-3	1.50	ND
VINYL CHLORIDE	75-01-4	1.50	ND
BROMOMETHANE	74-83-9	1.50	ND
CHLOROETHANE	75-00-3	1.50	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.50	ND
1,1-DICHLOROETHENE	75-35-4	1.50	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.50	ND
METHYLENE CHLORIDE	75-09-2	7.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.50	ND
1,1-DICHLOROETHANE	75-34-3	1.50	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.50	ND
2,2-DICHLOROPROPANE	594-20-7	1.50	ND
BROMOCHLOROMETHANE	74-97-5	1.50	ND
CHLOROFORM	67-66-3	1.50	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.50	ND
CARBON TETRACHLORIDE	56-23-5	1.50	ND
1,1-DICHLOROPROPENE	563-58-6	1.50	ND
BENZENE	71-43-2	1.50	ND
1,2-DICHLOROETHANE	107-06-2	1.50	ND
TRICHLOROETHENE	79-01-6	1.50	ND
1,2-DICHLOROPROPANE	78-87-5	1.50	ND
DIBROMOMETHANE	74-95-3	1.50	ND
BROMODICHLOROMETHANE	75-27-4	1.50	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.50	ND
TOLUENE	108-88-3	1.50	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.50	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.50	ND
TETRACHLOROETHENE	127-18-4	1.50	ND
1,3-DICHLOROPROPANE	142-28-9	1.50	ND
DIBROMOCHLOROMETHANE	124-48-1	1.50	ND
1,2-DIBROMOETHANE	106-93-4	1.50	ND
CHLOROBENZENE	108-90-7	1.50	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.50	ND
ETHYLBENZENE	100-41-4	1.50	ND
XYLENE (M+P)	1330-20-7	1.50	ND
XYLENE (O)	1330-20-7	1.50	ND
STYRENE	100-42-5	1.50	ND
BROMOFORM	75-25-2	1.50	ND
ISOPROPYLBENZENE	98-82-8	1.50	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.50	ND
BROMOBENZENE	108-86-1	1.50	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.50	ND
N-PROPYLBENZENE	103-65-1	1.50	ND
2-CHLOROTOLUENE	95-49-8	1.50	ND

**K PRIME, INC.**

LABORATORY BATCH QC REPORT

METHOD BLANK ID: B100716S1

BATCH NO: 100716S1

DATE ANALYZED: 10/07/2016

METHOD: VOLATILE ORGANIC COMPOUNDS

SAMPLE TYPE: SOIL

REFERENCE: EPA 5035/8260

UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.50	ND
4-CHLOROTOLUENE	106-43-4	1.50	ND
TERT-BUTYLBENZENE	98-06-6	1.50	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.50	ND
SEC-BUTYLBENZENE	135-98-8	1.50	ND
1,3-DICHLOROBENZENE	541-73-1	1.50	ND
4-ISOPROPYLTOLUENE	99-87-6	1.50	ND
1,4-DICHLOROBENZENE	106-46-7	1.50	ND
N-BUTYLBENZENE	104-51-8	1.50	ND
1,2-DICHLOROBENZENE	95-50-1	1.50	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.50	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.00	ND
HEXACHLOROBUTADIENE	87-68-3	3.00	ND
NAPHTHALENE	91-20-3	3.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	110
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	84

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT

NA - NOT APPLICABLE OR AVAILABLE

**K PRIME, INC.**  
LABORATORY BATCH QC REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS  
REFERENCE: EPA 5035/8260

SAMPLE ID: B100716S1  
SPIKE ID: L100716S1  
DUPLICATE ID: D100716S1  
BATCH NO: 100716S1  
DATE ANALYZED: 10/07/2016  
SAMPLE TYPE: SOIL  
UNITS: µg/Kg

**ACCURACY (MATRIX SPIKE)**

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
1,1 DICHLOROETHENE	30.0	ND	30.7	102	60-140
BENZENE	30.0	ND	32.4	108	60-140
TRICHLOROETHENE	30.0	ND	34.5	115	60-140
TOLUENE	30.0	ND	34.6	115	60-140
CHLOROBENZENE	30.0	ND	37.2	124	60-140

**PRECISION (SPIKE DUPLICATE)**

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
1,1 DICHLOROETHENE	1.50	30.7	28.1	8.7	±20
BENZENE	1.50	32.4	32.0	1.3	±20
TRICHLOROETHENE	1.50	34.5	34.4	0.2	±20
TOLUENE	1.50	34.6	34.2	1.4	±20
CHLOROBENZENE	1.50	37.2	36.4	2.3	±20

**NOTES:**

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT

**K PRIME, INC.**  
LABORATORY QUALITY CONTROL REPORT

BATCH ID: 092916S1  
DATE EXTRACTED: 09/29/2016  
DATE ANALYZED: 09/29/2016

METHOD: DRO  
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL  
UNITS: mg/Kg

METHOD BLANK ID: B092916S1

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	10.0	ND

SAMPLE ID: L092916S1  
DUPLICATE ID: D092916S1

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	500	ND	585	117	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	10.0	585	576	1.5	±20

NOTES:

DRO - DIESEL RANGE ORGANICS (C12-C34)  
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT  
NA - NOT APPLICABLE OR AVAILABLE

**K PRIME, INC.**  
LABORATORY BATCH QC REPORT

SAMPLE ID: L101116S1  
DUPLICATE ID: D101116S1  
METHOD BLANK ID: B101216S1  
BATCH #: 101116S1  
DATE ANALYZED: 10/14/2016

METHOD: TOTAL METALS BY ICP/MS  
REFERENCE: EPA 3050B/6020A

SAMPLE TYPE: SOIL  
UNITS: mg/kg

ELEMENT		MB mg/kg	SA mg/kg	SR mg/kg	SP mg/kg	SPD mg/kg	SP %R	RPD %
CADMIUM	Cd	<2.50	25.0	0.0	24.7	25.4	99	2.7
CHROMIUM	Cr	<2.50	25.0	0.0	24.9	25.4	100	1.9
LEAD	Pb	<2.50	25.0	0.0	25.0	25.3	100	1.0
NICKEL	Ni	<2.50	25.0	0.0	25.1	25.6	100	2.2
ZINC	Zn	<2.50	25.0	0.0	24.0	24.6	96	2.6

**NOTES:**

ND: NOT DETECTED  
MB: METHOD BLANK  
SA: SPIKE ADDED  
SR: SAMPLE RESULT  
SP: SPIKE RESULT  
SPD: SPIKE DUPLICATE RESULT  
SP(%R): SPIKE % RECOVERY  
RPD: RELATIVE PERCENT DIFFERENCE



# K PRIME, INC.

# CHAIN OF CUSTODY RECORD

CONSULTING ANALYTICAL CHEMISTS      3621 Westwind Blvd., Santa Rosa, CA 95403      PHONE: (707) 527-7574      FAX: (707) 527-7879

Client/Project ID		Address/Phone		825 Sonoma Ave		KPI Project No.									
EBA Engineering		(707) 544-0784													
Project Location		Client Project No.		ANALYSES											
632 McLorkle Ave		16-2355		GR0	DRO	HRO	VOCs	CAM 5 Metals							
Contact		Sampler (Signature)		Lab Sample No.		Type of Sample		No. of Containers							
Matt Earnshaw		<i>R. Du</i>													
Sample Identification No.	Date	Time	Lab Sample No.	Type of Sample	No. of Containers	GR0	DRO	HRO	VOCs	CAM 5 Metals	Expected Turnaround Time	Remarks			
S-SB-7-0-6	10/12/16	11:24	148149	Soil	1	X	X	X	X	X	5-day				
S-SB-7-18-24		11:55	148150	↓	↓	X	X	X	X	X	HOLD	HOLD			
S-SB-8-0-6		11:42	148151	↓	↓	X	X	X	X	X	5-day				
S-SB-8-18-24		12:05	148152	↓	↓	X	X	X	X	X	HOLD	HOLD			
S-SB-9-0-6		12:19	148153	↓	↓	X	X	X	X	X	5-day				
S-SB-9-18-24		12:34	148154	↓	↓	X	X	X	X	X	HOLD	HOLD			
Relinquished by: (Signature) <i>R. Du</i>												Date	10/12/16	Time	13:42
Relinquished by: (Signature)												Date		Time	
Relinquished by: (Signature)												Date		Time	
Disposal Method												White Copy : Accompanies Samples Yellow Copy : Sampler			
Disposed by: (Signature)												Date		Time	

**APPENDIX E**  
**HEALTH AND SAFETY PLAN**

## SITE HEALTH AND SAFETY PLAN

**Project No.:** 16-2355

**Field Activities Date:** 2016/2017

**Client:** Joe McGrath  
632 McCorkle Avenue  
Saint Helena, CA 94574

**Contact Person:** Matt Earnshaw

**Telephone No.:** (707) 799-4165

**Job Location:** 632 McCorkle Avenue, Saint Helena, California

**Project Description:** Soil Excavation

**Project Manager:** Matt Earnshaw

**Site Health & Safety Manager:** Paul Talmadge

### **Chemical Hazards:**

<u>CHEMICAL NAME</u> <u>EXPOSURE</u>	<u>DESCRIPTION</u>	<u>STANDARDS</u>	<u>ROUTES OF EXPOSURE</u>	<u>ACUTE</u>
Benzene	Carcinogen, aromatic HC	8-hr. TLV=10 ppm PEL=1 ppm	Inhalation, dermal	Headache, dizziness
Toluene	Aromatic HC	8-hr. TLV=100 ppm	Inhalation, dermal	Headache, dizziness
Xylenes	Aromatic HC	8-hr. TLV=100 ppm	Inhalation, dermal	Headache, dizziness
Ethylbenzene	Aromatic HC	8-hr. TLV=100 ppm	Inhalation, dermal	Headache
Gasoline	Flammable liquid	8-hr. TLV=300 ppm Flashpoint=-50° F LEL=1.4%, UEL=7.6%	Inhalation, dermal	Headache, dizziness, eye/skin irritation
Diesel	Combustible liquid		Inhalation, dermal	Headache, dizziness, eye/skin irritation
MtBE	Combustible Liquid	8-hr. TLV=100 ppm	Inhalation, dermal	Dizziness eye/skin irritation
DIPE	Class 1b Flammable Liquid	IDLH: 1400 ppm	Inhalation, dermal	Dizziness eye/skin irritation
TBA	Combustible Liquid	8-hr. TLV=150 ppm	Inhalation, dermal	Dizziness eye/skin
Lead	Solid	8-hr. TWA=0.5 ppm	Inhalation, dermal	Eye/skin irritation Nausea, vomit

*Note: Health and safety standards refer to airborne concentrations to which nearly all workers may be repeatedly exposed daily without harmful effects. The concentrations are time-weighted averages for a normal 8-hour work period.*

**Physical Hazards:** Fire and explosion (primarily gasoline), heat stress, heavy equipment, noise, motor vehicles, overhead and underground utilities.



**Personal Protective Equipment Required:** First aid kit, hardhat, eye protection, noise protection, chemical-protective gloves, steel-toed rubber boots, and respirator with organic vapor cartridge.

**Air Monitoring Strategy (including action levels):** Monitor breathing zone for total volatile organic compounds (VOCs) with photoionization detector (PID) meter (parts per million by volume [ppmv] scale). If greater than 5 ppmv in breathing zone for five minutes or greater than 30 ppmv instantaneous, don respirator and/or go upwind of source. Don respirator if fuel odor persists or go upwind of source. Record all measurements in field notebook.

**Site Control Measures:** 1) no eating, drinking, or smoking in work area; 2) bring drinking water; 3) decontaminate boots and sampling equipment prior to leaving site; and 4) inform workers (including non EBA workers) on-site of elevated volatile organic compound (VOC) readings and document.

**Decontamination Procedures (personal and equipment):** Decontaminate boots and soil sampling equipment with trisodium phosphate (TSP) or equivalent and water. Wash and rinse sampling equipment with clean water. Store rinse water in 55-gallon drums (labeled) pending receipt of laboratory results or discharge rinse water into contained stockpile awaiting final disposal or treatment. Decontaminate heavy equipment by scraping loose material, then wash with steam cleaning unit. Collect and combine loose material and rinsate in stockpile awaiting final disposal or treatment.

**Hospital:** Saint Helena Hospital

**Phone:** (707) 963-3611

**Paramedic:** 911

**Fire/Police Dept.:** 911

**Hospital Address:** 10 Woodland Road, Saint Helena, California,

**Directions from Project Site to Hospital:**

- 1) From site proceed southwest on McCorkle.
- 2) Turn right onto Mariposa Road.
- 3) Turn right onto Pope Street.
- 4) Turn left onto Silverado Trail North.
- 5) Turn right onto Deer Park Road.
- 6) Turn left onto Sanitarium Road.
- 7) Turn right onto Woodland Road.
- 8) Turn left to stay on Woodland Road. Hospital is on the right.

**Directions from Hospital to Project Site:**

- 1) Turn right to stay on Woodland Road.
- 2) Turn left on Sanitarium Road.



- 3) Turn right onto Deer Park Road.
- 4) Turn left onto the first cross street (Silverado Trail)
- 5) Turn right onto Pope Street.
- 6) Turn left onto Mariposa Road.
- 7) Turn right onto McCorkle Avenue.

**Emergency Procedures:** Call 911 for fire or serious injury. Proceed to hospital (see map) if necessary for minor injuries. Call EBA (707) 544-0784.

**Prepared by:** Paul Talmadge

**Reviewed/Approved by:** Matt Earnshaw

**Date:**

**Date:**

**Read by:**

**Date:**

**Read by:**

**Date:**

**Read by:**

**Date:**

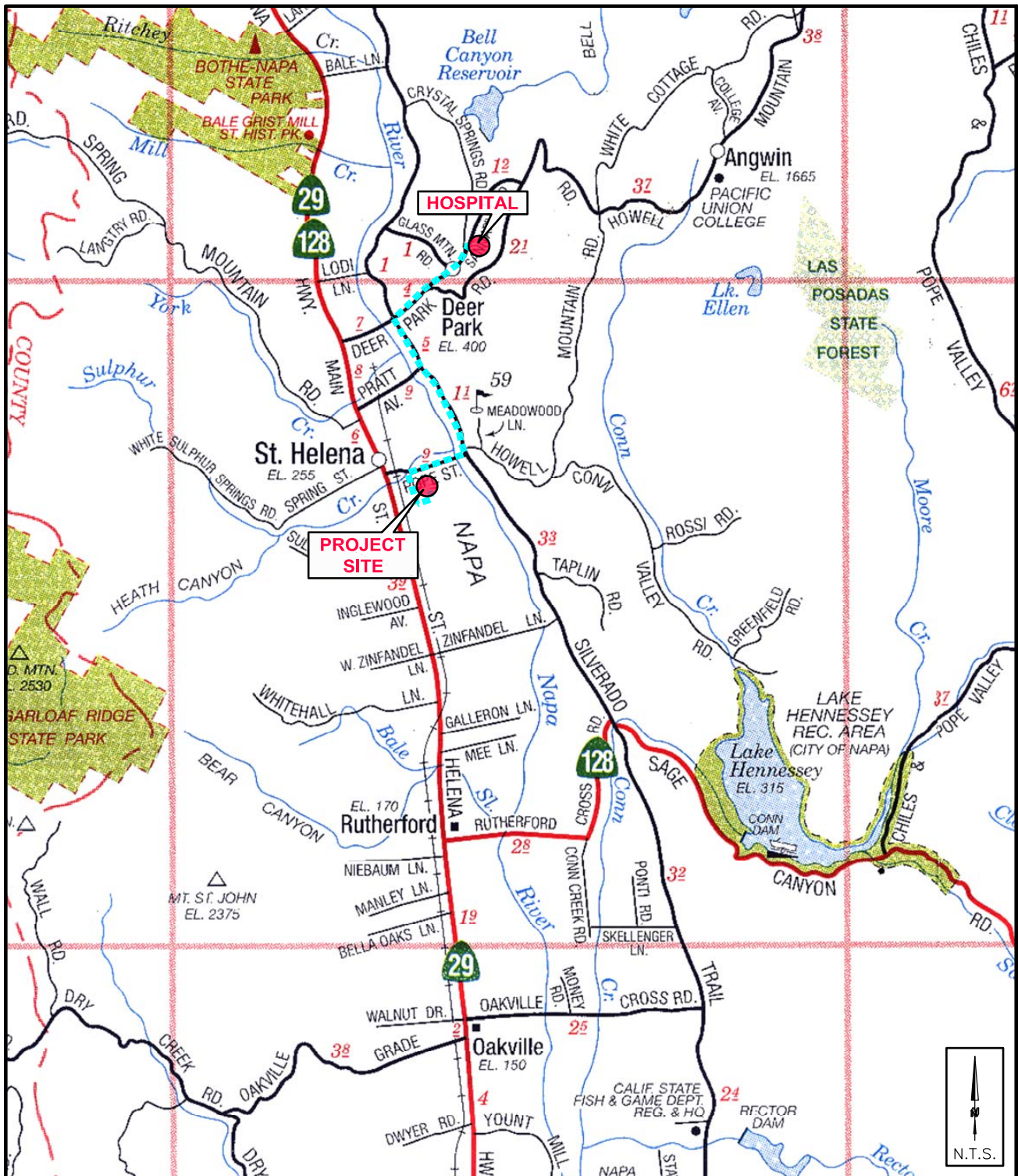
**Read by:**

**Date:**

**Read by:**

**Date:**





**EBA**  
ENGINEERING  
825 SONOMA AVENUE  
SUITE C  
SANTA ROSA, CA 95404  
TEL: (707) 544-0784

**HOSPITAL MAP**  
632 MCCORKLE AVENUE  
SAINT HELENA, CALIFORNIA

FIGURE  
**H**  
16-2355

Q:\2355\Location Maps.dwg, Hospital Map, 10/28/2016 8:47:02 AM





A Tradition of Stewardship  
A Commitment to Service

Planning, Building & Environmental Services

1195 Third Street, Suite 210  
Napa, CA 94559  
www.countyofnapa.org

David Morrison  
Director

October 11, 2016

JOSEPH CHARLES McGRATH  
SONALI SYNGAL  
387 CAMINO SOBRANTE  
ORINDA CA 94563-1847  
SENT VIA EMAIL: joe.mcgrath65@gmail.com

Subject: Remedial Action Agreement, 632 McCorkle, APN 009-502-004-000 (N E8236 COR)

Dear Mr. McGrath,

On October 3, 2016 lead contamination was discovered at the above- referenced location as the result of Phase II activities. It has been determined that the extent of the contamination is sufficient enough to require remediation. The provisions of the California Health and Safety Code, Section 101480 (c) allows the Local Officer (Napa County Division of Environmental Health) to enter into a voluntary remedial action agreement with a responsible party for the oversight of remedial activities at a contaminated site.

By signing and returning this agreement, I agree to the following:

1. Submittal of a work plan to this office by 11/11/16 describing in detail the remedial activities, testing, monitoring, and analysis the responsible party will carry out to determine the type and extent of the contamination caused by the released waste, that is the subject of the remedial action, to reduce the level of contamination in the soil to a concentration less than or equal to the Environmental Screening Level of 80 mg/kg as established by the San Francisco Bay Regional Water Quality Control Board or other appropriate level for lead.
2. Payment of three hours of staff time at the standard hourly rate of \$122.00 per hour for oversight of remedial activities (see enclosed invoice). Any time spent in excess of three hours will be billed at the standard rate. If the time spent is less than three hours, the excess payment will be refunded. Payment is due with the return of this agreement.
3. Once the work plan has been approved and the work completed, a report of remedial activity shall be submitted to this office. The report shall contain a narrative of all work performed, a map

Page 2  
October 11, 2016  
632 McCorkle, St. Helena

Planning Division  
(707) 253-4417  
5933

Building Division  
(707) 253-4417

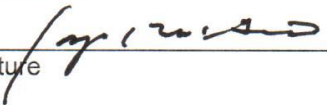
Engineering & Conservation  
(707) 253-4417

Environmental Health Parks & Open Space  
(707) 253-4471 (707) 259-

showing all sampling locations, a copy of all laboratory analysis and a copy of all manifests and/or bills of lading documenting disposal of the contaminated material.

Responsible Party:

JOSEPH C MCGRATH Date: 10/12/16  
Printed name

  
Signature

Once satisfactory remedial action has been completed, a letter specifying that no further action is required will be provided to you by this office. If you have any questions regarding this matter, please contact me at (707) 253-4471.

Regards,

W. Douglas Calhoun MS, REHS  
Environmental Health Supervisor

Encl.



**INVOICE**



Planning, Building, & Environmental Services

1195 Third Street, Suite 210  
Napa, CA 94559  
[www.countyofnapa.org](http://www.countyofnapa.org)

Environmental Health: (707) 253-4471  
Fax: (707) 253-4545

David Morrison  
Director

<b>Invoice ID</b>	<b>Invoice Date</b>
140248	10/11/2016

<b>Owner ID</b>	<b>Due Date</b>
00000	09/11/2016

THIS INVOICE IS FOR THE ISSUANCE OR RENEWAL OF THE PERMIT(S)/LICENSE(S) LISTED BELOW WHICH IS REQUIRED BY STATE AND/OR LOCAL LAWS FOR THE IDENTIFIED LICENSEE. NO SUCH LICENSE(S)/PERMIT(S) IS VALID UNLESS THE APPROPRIATE FEE HAS BEEN PAID IN FULL BY THE DUE DATE. THE LICENSEE AGREES TO COMPLY WITH ALL STATE AND LOCAL LAWS AND ORDINANCES PERTAINING TO THE SITES IDENTIFIED BELOW AND TO ALLOW INSPECTIONS OF THE SITE(S) BY REPRESENTATIVES FROM THE NAPA COUNTY DEPARTMENT OF PLANNING, BUILDING, & ENVIRONMENTAL SERVICES. THE PERMIT(S)/LICENSE(S) IS ONLY VALID THROUGH THE EXPIRATION DATE INDICATED ON THE PERMIT/LICENSE. THIS PERMIT(S)/LICENSE(S) IS NOT TRANSFERABLE.

DESCRIPTION	AMOUNT
<b>Joe McGrath</b> <b>632 MCCORKLE ST SAINT HELENA, CA 94574</b>  Permit No. 318765 - Contaminated Sites-Non LOP (per hour): 3 @ \$122.00	\$366.00
<b>TOTAL</b>	<b>\$366.00</b>

PREVIOUS INVOICES SENT TO YOUR ACCOUNT REMAIN UNPAID AND ARE NOW DELINQUENT! THIS INVOICE MUST BE SIGNED AND ALL PAGES OF THIS ENTIRE INVOICE RETURNED TO THE ABOVE ADDRESS, WITH THE TOTAL FEES DUE PRIOR TO THE DUE DATE SET FORTH ABOVE. MAKE CHECKS PAYABLE TO "NAPA COUNTY". FOR EXISTING BUSINESSES, ALL FEES ARE DUE PRIOR TO THE EXPIRATION DATE OF ANY EXISTING PERMIT(S)/LICENSE(S). IF FEES ARE NOT RECEIVED BY THE EXPIRATION DATE, ANY ATTEMPT TO RENEW THE PERMIT(S)/LICENSE(S) WILL INCUR A 25% PENALTY. FOR NEW BUSINESSES, ALL FEES MUST BE PAID AND ALL PERMIT(S)/LICENSE(S) ISSUED PRIOR TO COMMENCEMENT OF OPERATION.

I HAVE AUTHORITY TO BIND THE LICENSEE TO THIS AGREEMENT.

Representative's Signature: *Joe McGrath* Date: \_\_\_\_\_  
10/12/16  
 Representative's Name (please print): JOSEPH E MCGRATH  
 Relationship to Licensee: - SAME -

Provide email address:           joe.mcgrath65@gmail.com          

----- FOR OFFICE USE ONLY -----  
-----

Facility Type: New

Renewal

Ownership Change

Vehicle License Number (If Applicable)

REHS approval:

Date permit issued:

Joe McGrath

06/14/16

To the Neighbors of 632 McCorkle:

I am writing this letter to inform you that we have recently submitted a revised application to the St Helena Planning Department regarding the proposal for the development of my property at 632 McCorkle Ave.

The revised submission is intended to best incorporate the input you gave at the Neighborhood Meeting held on April 21k, 2016, while still achieving a project that is economically viable, and best serves the community by providing much-needed workforce housing in St Helena.

The following changes were made to the prior submission:

- The number of Units has been reduced from 10 Units to 8 Units
  - (6) 2 BR/2BA
  - (2) 3 BR/2BA

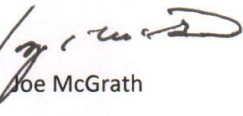
(8 Units is the minimum density allowed for the HDR district at .5 acres)
- (3) On-site parking spaces on the SE corner that previously required backing-out on McCorkle Ave have been eliminated and replaced w/ landscaping and public curbside. (On-site parking remains code-compliant at 2 / Unit)
- 48' (~ 3 cars) of PUBLIC curbside parking has been freed-up for neighborhood parking
- (8) Storage Units have been added to prevent site clutter
- Plate (ceiling) heights have been reduced from 9' to 8'-6" to reduce the overall building profile. Building height is now ~25'-6" where code allows 35'
- Building is now set back an additional 8' (total 48') from property line at center of McCorkle
- An On-Site BioRetention facility has been designed to eliminate storm water runoff.
- Solar Carport(s) have been reduced in size by 50% to reduce massing.
- A comprehensive and professional Traffic Study was conducted to understand impacts of this project to McCorkle Ave and adjacent streets and intersections. That report is available at the Planning Department, but deems the addition of this project to have "less-than-significant" impact on traffic.

We have also gone to great lengths to maintain a residential "face" to McCorkle Ave that has a distinguished single-family look. I have attached a rendering of the South [McCorkle Ave] Elevation of the project.

While I understand that the above changes may not alleviate your concerns or opposition with regard to this project, we believe that the present design is a high-quality project that best balances the concerns of the local neighborhood with the needs of the greater community.

If you would like to speak with me further about the project, please feel free to contact me at 925-212-7196 or [joe.mcgrath65@gmail.com](mailto:joe.mcgrath65@gmail.com)

Respectfully,



Joe McGrath

May 31, 2016.

St. Helena City  
Planning and Zoning Dept.  
1480 Main St.  
St. Helena, CA 94574

Attn: Noah Housh, Director

Dear Mr. Housh,

This letter is being submitted to the Planning Department on behalf of myself and a group of concerned neighbors who are distressed that the City of St. Helena is moving forward on the approval of construction of multi-family housing on a small nonconforming lot on McCorkle Avenue. The process for approval of this project completely disregards the existing neighborhood and neighbors who have owned homes in the neighborhood for over 25 years. This letter is in opposition to the proposed multi-family housing at 632 McCorkle Avenue.

The St. Helena Municipal Code requires a variance for the 632 McCorkle project, for the following reasons:

The parcel has been rezoned high density residential; however, the minimum parcel width requirement remains 70 feet.

The parcel width is fewer than the required 70 feet, and is thus, a pre-existing, nonconforming parcel.

#### NONCONFORMING LOT

Pursuant to SHM Code section 17.140.040 a nonconforming lot may be developed within a zone, so long as the development will not create new additional density:

**17.140.040 Nonconforming lots.**  SHARE

A nonconforming lot is a legally established lot which does not conform to the regulations regarding area, width, frontage or other such standard for the zoning district in which it is located because of rezoning, annexation or change in the regulations of the zoning ordinance, subdivision ordinance or Subdivision Map Act. Legally created nonconforming lots shall be governed by the following regulations:

A. A nonconforming lot shall not be changed in any way that would increase the degree of nonconformity unless there is a corresponding decrease in the degree of nonconformity of an adjoining lot and **no new lot(s) or additional density permitted will result.** (Emphasis added.)

**NEED FOR A VARIANCE**

Pursuant to Code section 17.172.010, the owner of the nonconforming property may obtain a variance from the minimum parcel size on the basis that it would work an “undue hardship” to prevent development consistent with the zone.

This is the only available remedy for the developer to legally develop an undersized lot without increasing the nonconformity.

You do not have statutory authority to unilaterally grant the developer the required variance without a Planning Commission hearing followed by entry of the required findings in the record.

If you believe you retain such authority, please direct us to the section of the Municipal Code upon which you rely.

**17.44.060 Development standards.**

The following standards and requirements shall apply in the HR district, except as otherwise provided in this title:

3. Lot width	70 feet
4. Lot frontage	70 feet

**Regarding Variances: 17.172.050**

C. "The authorization of the variance will not be of substantial detriment to adjacent properties...."

E. "The variance and any buildings or structures permitted by the variance will not be detrimental to the public health, safety and welfare of the community."

The authorization of this variance would be significantly detrimental to my property value, and the property value of all property owners on McCorkle Ave., east of Allison St., due to increased traffic of up to or exceeding 50 cars. In addition, all of us will suffer noise disturbances similar to the noise disturbances from the 45+ people and 30+ cars located directly west of me. This new impact will be from 50+ people, and up to 50+ cars. This density surrounding my property, will affect the public health, safety, and welfare of children and adults who live on McCorkle Ave., Mariposa St., Allison, and Kidd Ranch Road, as well as the many students for whom McCorkle Avenue is a walking route home to Hunts Grove, Stonebridge, and the apartments west of my property. There have been parking problems and police calls at the well managed 664 McCorkle complex, due to the high number of residents living in small quarters with little space for visiting or play. It is foolhardy to repeat this kind of project on the same block.

A Planning Commission approval of this variance, and required findings, would have to be based on substantial evidence, not staff and/or Planning Commission opinion alone. This requirement will demand a traffic analysis, water analysis, sewer analysis, noise analysis, density analysis, cumulative effects analysis, and a public health and safety analysis.

A Variance will require a hearing at the Planning Commission, allowing all of these important CEQA standards to be addressed, which are required in 17.172.050 E.

**NEED FOR A FIRE TURN AROUND**

Pursuant to St. Helena Municipal Code section 15.36.020 the California Fire Code is adopted by the City of St. Helena

California Fire Code, Title 24, Section 9 Chapter 5 Sections 503.2.4 and 503.2.5

"503.2.4 Turning radius. The required turning radius of a fire apparatus access road shall be determined by the fire code official.

503.2.5 Dead ends. Dead-end fire apparatus access road in excess of 150 feet (45 720 mm) in length shall be provided with an approved area for turning around fire apparatus."

McCorkle between Kidd Ranch Road and Dead End at East end ( over 325 feet) was originally designed to serve a single family zoned neighborhood until 1993. Parcels purchased on this section of McCorkle were purchased until 1993 as Single Family parcels. The zoning changed to High Density in 1993. McCorkle street standards are designed for single family use. The street is a dead end without a designated fire truck turn around at the end.

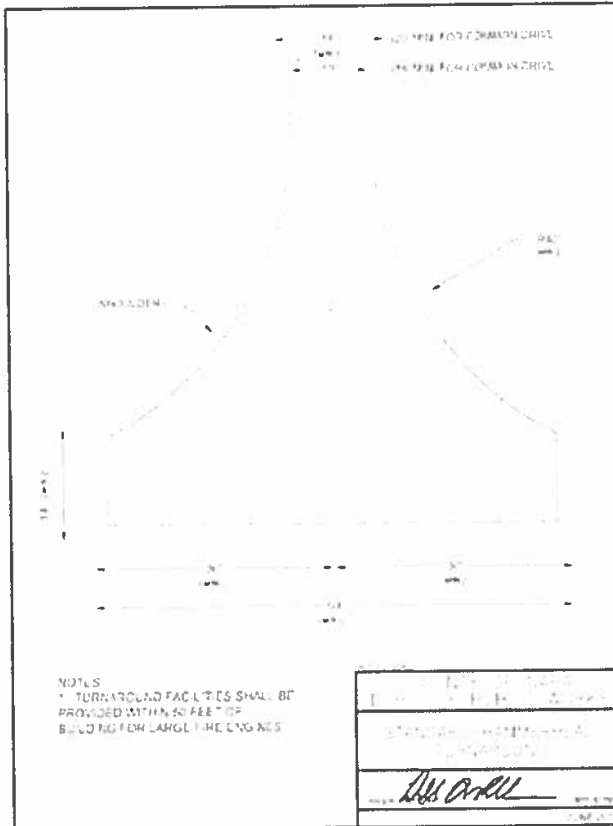
#### HAMMERHEAD AT EAST END OF DEAD END

See second line from top on page 17, CAL TRANS ATTACHMENT:

"(c) Each dead-end road shall have a turnaround constructed at its terminus. Page



38:



Such a Hammerhead turn around must be provided by the City/developer for code and public safety reasons, prior to any further housing on McCorkle Ave. Also note inadequate collector roadways and proximity to down town services.

**ENVIRONMENTAL IMPACTS ON THE MCGRATH PROPERTY**

If the developer of the 632 McCorkle property did a soil sampling, the results of this site assessment were not provided to me, and, to my knowledge, never provided to either the neighbors or City staff.


Attached are photographs of substantial petroleum hydrocarbon staining on cracked interior slabs of 3 out buildings and soil, on the subject property.



City staff should require a Phase II Environmental Report than includes an evaluation of the soil beneath the cracked concrete slabs of the 3 out buildings on the site to determine whether there is need for encapsulation of contamination or contaminated soil removal, prior to building dwellings that could expose occupants to cancer and/or birth defect causing chemicals.

We look forward to your response to each of the items listed above.

Sincerely,

*Sen. Bob* Elizabeth Gorky  
Bobby Mormuto  
  
Miguel Coraci  
Paul Skinner  
Aunt M. Doran  
Elizabeth Shafer (Libby)  
Kayellen Wilson  
~~Wade~~  
Wade













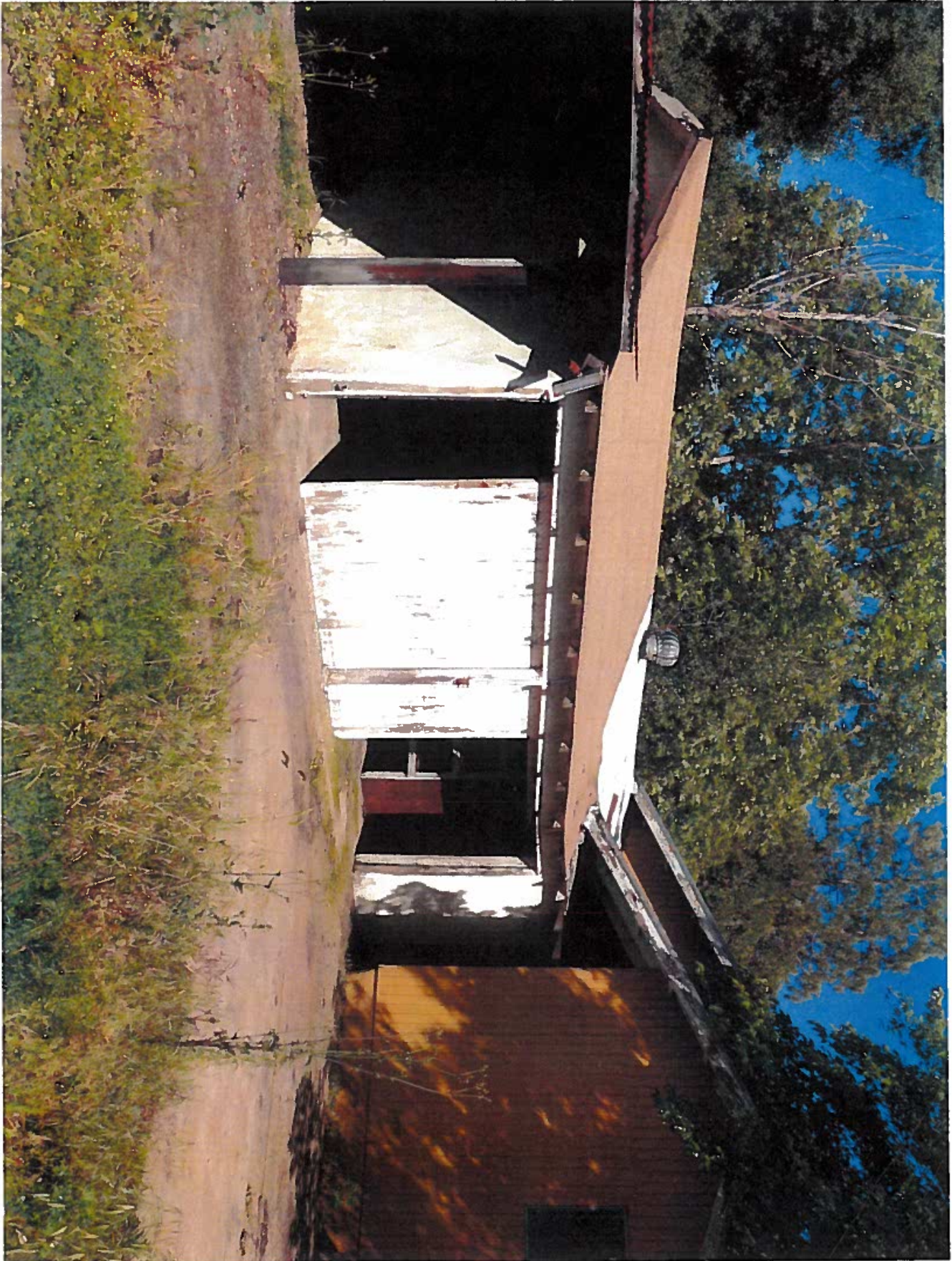
























**From:** Elizabeth Goelz [<mailto:lizzyloves2b@comcast.net>]  
**Sent:** Sunday, April 10, 2016 12:38 PM  
**To:** Noah Housh  
**Cc:** Glenn Goelz; [lizzyloves2b@comcast.net](mailto:lizzyloves2b@comcast.net)  
**Subject:** 632 McCorkle Ave

Hi Noah;

I have seen you at the several Planning Commission meetings that I have attended however we have not had the opportunity to meet. My husband Glenn and I built our home at 645 McCorkle Ave. in 2000 never thinking that our quiet and quirky little street would become such a controversial area over time. I am reaching out to you in regards to the proposed project at 632 McCorkle Ave. The both of us and the rest of our neighbors on McCorkle and surrounding streets are vehemently opposed to this project. We are actually surprised that a developer would even consider this quiet street for such a project! We are not opposed to the sweat equity project that is taking place on McCorkle, we have supported that all along but to add this large project at the end of a dead end street where there is already NO PARKING, and plenty of tranquility is absurd. We as neighbors will do all that we can to ensure that this project as it is currently proposed will not happen.

We understand that there will be a community meeting on April 21<sup>st</sup> and we will be there in force. Please let me know if you should have any questions prior to that.

Also – I'm hoping you that you can advise who within the City I can request a change of address. We have sold our home in the East Bay where our mail was being sent and are now full time residents of St. Helena.

Thank you,  
Elizabeth Goelz  
510-301-8287

**Aaron Hecock**

---

**From:** Elizabeth Goelz <lizzyloves2b@comcast.net>  
**Sent:** Tuesday, May 17, 2016 2:56 PM  
**To:** Grace Kistner; Sarah Parker; Tracy Sweeney; Mary Koberstein; Noah Housh; Aaron Hecock; matildabologne@yahoo.com  
**Cc:** lizzyloves2b@comcast.net; Glenn Goelz  
**Subject:** No Further Development on McCorkle Avenue

Dear Planning [Director](#) and Commissioners,

[My husband Glenn and I live at 645 McCorkle Ave.](#) and I am here to discuss the high density zoning on the North side of McCorkle Avenue. This zoning was haphazardly slapped on this street in 1993, without input from any of the current residents. Directly across the street are high end, single family residences on large lots. This is not good City Planning.

There is the 10 unit apartment complex at 664 McCorkle Avenue, the already approved Our Town 8 unit sweat equity project at 684 McCorkle Avenue and the developer who is in the process of getting approval for the 8 to 10, 2 to 3 bedroom apartments at 632 McCorkle Avenue. These proposals alone, will potentially add 130+ more people, and up to 50+ more cars/vehicles within a few hundred feet of each other, on a street that has not had the necessary improvements to support that kind of density.

We think that the City should reduce the zoning on the north side of McCorkle Avenue because it is poor planning, and because the City has put the public at peril by neglecting to complete the required upgrades necessary on this street, to support the consequences of this erroneous high density zoning.

The hammer head turn around at the end of this dead end street, required by City Ordinance, is only one of the improvements that would need to be made to support the designation of high density on this street. Please note St. Helena Municipal Code section 15.36.020, California Fire Code, Title 24, Section 9, Chapter 5, Sections 503.2.4 and 503.2.5.

To summarize, we believe that both sides of McCorkle Avenue should be rezoned to low medium density.

Thank you,

Elizabeth and Glenn Goelz  
645 McCorkle Avenue

**Aaron Hecock**

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**From:** Christine Hayne <chrishayne1@gmail.com>  
**Sent:** Tuesday, October 11, 2016 4:29 PM  
**To:** Alan Galbraith; Peter White; Sharon Crull; Greg Pitts; Paul Dohring; Grace Kistner; Sarah Parker; Tracy Sweeney; Mary Koberstein; Cindy Black; Noah Housh; Aaron Hecock; Jennifer Phillips; Steve Palmer  
**Subject:** McCorkle Development Concerns

**Dear Councilmembers, Planners and Staff**

I and the other residents of McCorkle are very concerned about the developments on the north side of our street. Brinkle Court is underway, 632 McCorkle is being considered and the owners of 700 McCorkle also want to tear down the existing house and put 3 houses on that property. The addition of all of these units will change the quiet character of our neighborhood. The existing infrastructure of the street CANNOT handle the additional new traffic and parking. Each approval is happening piecemeal without consideration to the total impact. No developer (or the city) will put in storm drains, or make the street wide enough for all the extra parking, or, more importantly, preserve the neighborhood, which was their argument LOUD and CLEAR when they were pushing for the low/medium density land use change on the west side. The city has said it will do 'in fill' housing but instead they want to create a ghetto on the Westside which is totally unacceptable.

**Please stop the unacceptable development on McCorkle Avenue.**

Sincerely,  
Christine Hayne  
710 McCorkle Avenue



**Aaron Hecock**

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**From:** Bobbi Monnette  
**Sent:** Wednesday, April 06, 2016 11:42 PM  
**To:** Noah Housh  
**Cc:** Aaron Hecock  
**Subject:** McCorkle Avenue Project Applicaton

Noah,

I am writing to you with the following concerns about the proposed project at 632 McCorkle Avenue, the parcel directly east of my property at 644 McCorkle Avenue. Even without a use permit requirement, you have significant discretion to enforce the provisions of section 17.44.060, St. Helena Municipal code, concerning both density and esthetics

1. Proximity to neighbors – setbacks and density:

The density proposed in this application, allows, by state law, 50 people to be living within 10 feet of my property. The enforcement of this maximum is very difficult, for the most diligent and attentive managers. It is therefore, very likely, that there may be more than 50 people living on this property.

Furthermore, the driveway accessing twenty off street parking spaces, is ten feet from the bedroom windows in my home, and 15 feet from the main living area in the rental unit behind my home.

As you may be aware, there is an adjacent, ten one bedroom units apartment complex west of my property at 664 McCorkle Avenue. Many of the occupants work in the hospitality industry, which means that they “come home” between 11:30 pm and 3 am. The amplified music from many of these cars, in addition to the sounds of their motors and tires is disturbing from a 40 foot distance from the two homes on my property, especially in the still, summer night air, when windows are open. At a distance of 10 feet from the two homes on my property, this kind of traffic noise disturbance will be unbearable.

2. Although there is the one, 10, unit, one bedroom apartment complex on McCorkle Avenue already, and an 8 unit, sweat equity project two parcels west of that, the rest of the neighborhood is single family dwellings. The North Side of McCorkle Avenue is zoned Residential High Density. The South side of McCorkle Avenue is zoned single family. The East end of McCorkle Avenue, where 632 is located, sports high end, large single family homes on the South side of the street. The 10 unit complex at 664, can fairly be described as an eye sore. The Sweat Equity development will be more in keeping with the west end of the block. This additional 10 unit complex at the north end of this dead end street, is not in keeping with the neighborhood ambiance and appearance.

3. As you know, there is no easy way to enforce a limit on the number of cars owned by apartment renters. If there are 5 adults in one of the 900 square feet, two bedroom apartments proposed in this application, there could very well be 5 cars servicing those renters. This means, that there may potentially be, 50 cars associated with this complex, only 20 of which will have access to off street parking. Since renters often use covered and uncovered parking spaces for storage, rather than parking, there could well be more than 30 overflow cars parked on McCorkle Avenue.

4. The design of this project leaves very little space for landscaping that would fit into the rest of the neighborhood. In addition, and more importantly, there is no place for children and/or adults to play/recreate, nor is there adequate living space for three children and two adults, in a 900 square foot, two bedroom apartment.

5. The result of this kind of over-crowding, includes noise pollution from after work relaxing, drinking, and sometimes loud conversation, which for some renters will likely take place between 11:30 pm and 3:00 am. This presents a noise problem for neighbors in the complex, for me directly, and for other neighbors outside the complex.

The only open space for children to play, is the driveway. This is a health and safety issue for the children. The managers of the 664 Mc Corkle Avenue apartments, were forced to put in speed bumps in the driveway in an attempt to mitigate the danger to the children.

I, and others, have needed to call the police regularly, regarding this kind of noise pollution at 664 McCorkle Ave, which puts extra demand on our Police Department, for incidents that can easily be avoided by regulating density to insure adequate space for adults and children to live and socialize. It is necessary to reduce this kind of over massing designed to create maximum profit, and maximize the quality of life features mentioned above.

6. If there is any attempt to provide play area for children, and socializing areas for adults, there will be no room for fire truck turn around, or for onsite garbage pickup. Onsite garbage pickup will pose a noise intrusion at 6 am., ten feet from my bedroom windows. Garbage pickup from the street, will put 20 more garbage receptacles on the street, plus green refuse cans as well. This will further exacerbate the street parking problems the evening before, and the day of garbage pick up, adversely effecting the neighborhood already burdened with the over flow cars at 664 McCorkle Ave.

For the reasons enumerated above, it is obvious to me that the density of this project must be reduced. Because the lot is so narrow, I do not see how more than four units can be built, taking into account the issues discussed herein.

In addition, section 17.44.060, Development standards in our City Ordinance, states that the lot frontage and width must be 70 ft. The lot frontage and width of this parcel, is 68.5 ft. If there is no variance request with this application, it simply cannot be placed on this parcel.

I am

Sincerely yours,

Barbara (Bobbi ) Monnette  
Resident, City of St. Helena

**Aaron Hecock**

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**From:** Libby Shafer <libshafer@gmail.com>  
**Sent:** Monday, May 16, 2016 11:39 PM  
**To:** Cindy Black  
**Cc:** Noah Housh; Aaron Hecock; Jennifer Phillips; Steve Palmer  
**Subject:** No Further Development on McCorkle Avenue

Dear Cindy and Staff,

I live at 653 McCorkle Avenue and I implore you NOT to approve any further building projects, ESPECIALLY the proposed development of 10 rental units at 632 McCorkle after June 9, 2016, until we have the City Design Standards in place, as described in HE1.E.

Currently there is a 10 unit, 2 bedroom apartment complex at 664 McCorkle. Our Town will be building 8 more units just to the east of this property at 684 McCorkle. The proposed development of 10 more Rental units at 632 McCorkle plus Our Town (already approved) will potentially add 130+ people and up to 50+ more cars within a few hundred feet of each other. Also, our dead end street has a hammerhead turn around and is NOT up to code for emergency vehicles or large fire trucks. Obviously, the city has not set up McCorkle Avenue for this additional HIGH density.

It is completely caddywampus to have single family homes on the south side of the street and HIGH density (28 units per acre) on the north side. I thought the goal of St. Helena city planning and growth was to head in the direction of allowing small developments of 7 to 10 units per acre evenly distributed THROUGHOUT THE CITY and NOT just on the EAST side of town. Increasing the density of the north side of McCorkle Avenue is completely counter to this goal.

Hence, I strongly feel that both sides of McCorkle Avenue should be rezoned to LOW medium density.....

Again, I urge you NOT to approve any further building projects after June 9, 2016 UNTIL we have the City Design Standards in place as described in HE1.E.

Thank you for your consideration.

Sincerely,

Libby Shafer  
653 McCorkle Avenue  
St. Helena, CA



**Cindy Black**

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**From:** Anne Fisher <afisherassoc@gmail.com>  
**Sent:** Tuesday, January 17, 2017 6:05 PM  
**To:** Anne Fisher; Cindy Black  
**Subject:** Submittal for Jan 24 City Council Agenda, re: Appeal on Planning Decision, Dec 6, 2012, Re: 632 McCorkle

January 17, 2017

To: Cindy Black

From:  
Anne Fisher, co-owner of  
Anne Fisher Associates  
Design Consultants to Architects and Private Sector  
1914 Bigelow Avenue North, #4  
Seattle Washington 98109

Anne Fisher, co-owner for 18 years of  
681 McCorkle Avenue  
St Helena California 94574

Re: negative comments on PL-16-007

**QUALIFICATIONS TO SUBMIT THESE COMMENTS:**

Anne Fisher is a graduate of University of Oregon, School of Architecture and Allied Arts. She worked for esteemed architectural firms Skidmore Owings and Merrill, Moore Lyndon Turnbull, and Space Design Group (New York) as a junior designer and in Seattle for the Pike Place Market Preservation and Development Authority.

In 1971, she started her namesake firm, consulting in exterior and interior design to architects and private sector clients. She has partnered on design and specifications for millions of dollars of construction on award-winning projects for Federal, State, and Municipal clients as well as private sector commercial projects.

She has served on National Board of the Institute of Business Designers and Seattle Community Council, and is a member of many Historic Preservation Societies.

The following is written as a person who is familiar with construction and the laws that govern and as a property owner in the Charter Oak Historic District.

I would like to start my comments by noting that half of the comments below have been submitted in a letter, Dec 5, 2016 to the City of St Helena, regarding Brenkle Court. Brenkle Court and this project 150 feet away, require greater scrutiny due to their combined negative impact on the Historic Character of the Charter Oak District.

Continuing on the project in question today:

The proposed project, PL-16-007, 632 McCorkle, does not meet design criteria for new construction for the following reasons:

**1. HISTORIC ELEMENT**

Proposed project is located in St Helena's Charter Oak Historic District, designated by Napa County Historical Society in 1978. The 1993 General Plan, Historic Element, Policy 7.59 states:

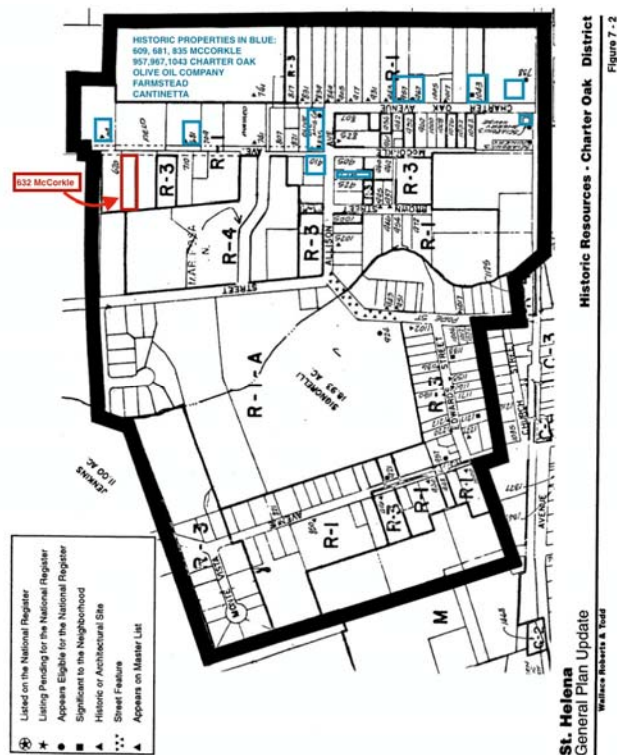
"City is to require developments in or adjacent to historic district areas or buildings to be **compatible in pattern and character with existing historic buildings**"

This screen shot of 1978 Napa County Landmarks Historic Inventory, shows one of 3 neighborhoods in St Helena designated noteworthy: "Charter Oak Neighborhood".

**632 McCorkle ( shown in red ) is not compatible in pattern and character with 11 nearby existing historic buildings shown in blue.**

Link to site:

[http://cityofsthenapa.org/sites/default/files/7\\_historic.pdf](http://cityofsthenapa.org/sites/default/files/7_historic.pdf)

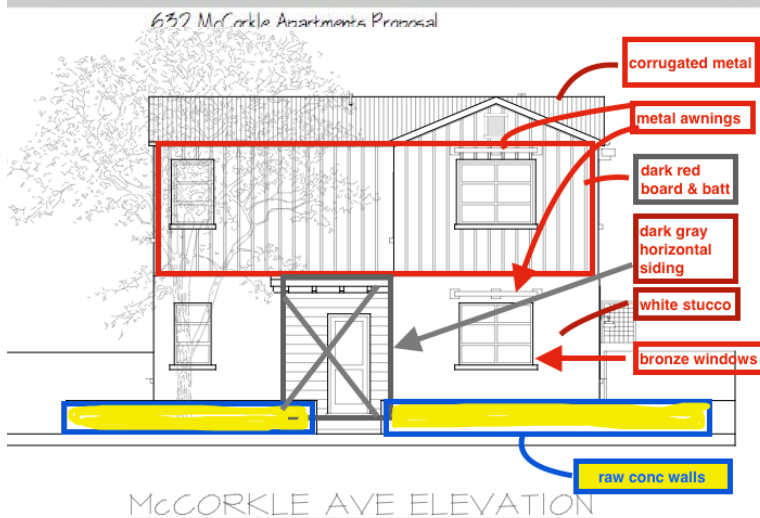


How does a new construction building become compatible in pattern and character with existing historic buildings?

1. Take a 5 minute walk from Hwy 29, west down Charter Oak and continue the length of McCorkle walking west to the dead end.  
What 3 things are memorable about this Historic District?

- a. . Large mature trees almost hide the houses which sit close to the sidewalk. The houses, with a few exceptions, are modest in character, not "trendy".
- b. The front yard of almost every house, historic or not, has a either a picket fence, or a low green hedge, or some "charming statement" of flowers or chairs on porches  
One thinks of a classic Norman Rockwell illustration of "Americana"

***632 McCorkle is a trendy self-described "modern farmhouse look"***



- Charter Oak Historic district does not "feature" 36" high concrete walls at the sidewalk
- 632 McCorkle "features" a 36" high raw concrete wall across the front sidewalk

- c. The colors of the homes in Charter Oak Historic District are typically one "quiet" color, some with a white accent around the windows. There is a sense of modesty in Charter Oak Historic District. No building in Charter Oak Historic District has 2-3 colors arranged in blocks on the same facade within 20' from sidewalk  
- 632 McCorkle building colors are a 3-4-color "assemblage", located 20' from sidewalk

### 3. LAND USE ELEMENT

- a. 1993 General Plan, Land Use Element, Goals and Policies 2.6 "Residential" states:

"More recently developed areas that have been developed using more typical suburban standards, tend to lack the charm of the older areas (in town). Older areas east of the CBD have many attractive older homes and rural characteristics, but these areas have been developed in a more dispersed pattern that **lacks the unity and identity** that characterizes the west side of town."

*-632 McCorkle identifies with trendy "modern farmhouse look", associated with 2015 suburbia and HGTV remodeling programs*

- b. 1993 General Plan, Land Use Element states in LU2.2:

"Encourage new residential development that is consistent in design, size, **color** and footprint with older residences in the neighborhood.

*-632 McCorkle design and multiple blocks of color are not consistent with older residences in the neighborhood.*

- c. In the "Strategy" section of Land Use, there is this statement:

"Maintain community character by requiring high quality design and by avoiding **"big box development patterns"** for commercial, industrial, and **residential growth**.

*-632 McCorkle "modern farmhouse" design is the equivalent of a "big box development", utilizing raw concrete walls, metal roofing, two styles of hardi-board siding, and sun awnings that are a "trendy" decorative element in commercial buildings, not in older residential neighborhoods.*

*-632 McCorkle features two carport structures, "Baja SSP 4-Car Carport"*

*The Baja website does not identify the SSP model, but this is a typical photo of their product. Solar panels can be located on roofs, farther away from visual awareness.*





**4. HOUSING ELEMENT, Section HE1.D**

"Upon adoption of design guidelines for multi-family projects, the City will *eliminate the current requirements for a use permit for multi-family projects in high density residential district.....*"

*If the City has not adopted design guidelines for multi-family projects, then the City can not eliminate the current requirements for a use permit for a multi-family projects in high density residential district.*

**632 McCorkle, is a multi-family project in a High Density Residential Zone**

**Since the City of St Helena has not adopted design guidelines for multifamily (other than those of 1993), then the City of St Helena can not eliminate the current requirements for a use permit for 632 McCorkle.**

HE1.D Revise the permitting process to streamline the review of affordable housing and market rate multifamily projects. The City will establish different design guidelines for various neighborhoods in the City in order to provide appropriate guidelines for neighborhood character. The design guidelines will address architectural character, building materials, appropriate “massing” of structures, parking, tree planting/ preservation, mitigating visual impacts, and preserving vineyard views, among other design issues. The City will prioritize the adoption of design guidelines for the Affordable Housing and Mixed-Use overlay zones, should such zones be adopted, as well as for the high density residential zone and key sites in the medium density residential zone. Design guidelines will facilitate and not hinder the production of units affordable to lower-income households. Upon adoption of design guidelines for multifamily projects, the City will eliminate the current requirements for a use permit for multifamily projects in the high density residential district and for the key housing sites in the medium density residential district that are listed in the Available Land Inventory Summary, Table 42, in the Housing Element Needs Assessment. Concurrently, the City will evaluate redesignating and rezoning medium density parcels, other than those listed in the Available Land Inventory Summary (Table 42), with a land use designation that better reflects the type and character of existing development. In addition, the City will eliminate, as appropriate, use permit requirements for multifamily projects for the remaining parcels in the medium density residential district. The City will adopt multifamily design guidelines and eliminate CUP requirements by no later than May 31, 2016. This timing will allow the City to first complete the update and adoption of the 2030 General Plan. Once the General Plan is adopted, the City can begin work on establishing design guidelines for the zones established in the General Plan.

## 5. HOUSING ELEMENT, GOAL 4: (Americans with Disabilities Act)

*Quantified Objectives for the Implementing Actions of Goal 4:*

- Generate adequate funds to support achievement of the City’s new housing construction objectives, as defined in Policy 1A.
- Reduce, defer, or waive fees for 18 housing units affordable to extremely low, low, very low and moderate income households.
- Assist in the acquisition of low-interest loans to 10 first-time homebuyers through January 31, 2023 or the end of the current Housing Element planning period, as may be amended by state law.
- Facilitate the continuance of Section 8 rental assistance to all currently served households.
- 20 percent of new units to meet senior housing needs; 10 percent accessible to persons with disabilities.
- Purchase of 3 existing housing units and conversion to regulated affordable housing for lower-income households.

**"20% of new housing units to meet senior housing needs, 10% accessible to persons with disabilities"**

**632 McCorkle floor plans do not indicate a "senior" or ADA unit.**

**Dec 6 plans do not show any ADA bathrooms or kitchens**

6. CEQA: Title 14, Section 15332, WATER QUALITY  
QUESTION ABOUT THE PERVIOUS SURFACE AND STORM DRAINS

See link:

<https://sthelena.civivweb.net/document/5693/5.%20Attachment%204%20-%20Plan%20Set.pdf?handle=D18E125BEC6C4C4D9A01F37779AEF8EE>

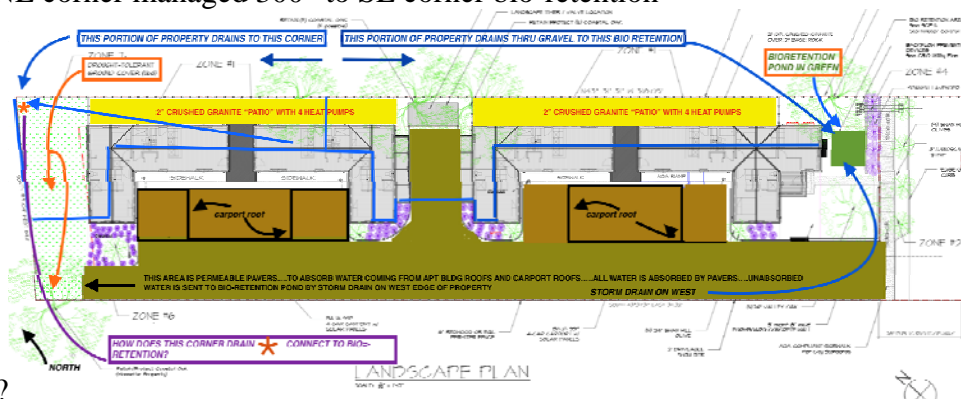
RE; sheet # SCP-1, for this project indicates that a "pervious" driving surface and a length along entire East property line of 2" crushed gravel will serve as a conductor of storm water to be managed by on site system.

This proposed "solution" to Storm Water Management" requires serious professional scrutiny, re: the conditions that insure an effective storm water management solution:

>If the substrate is compacted during construction, then the substrate does not percolate. How is the substrate integrity maintained during construction?

>There is a drain called out in NE corner, of property...managing the storm water from Drain Management Area #1....

see orange colored asterisk below.....how is the water captured in this drain in NE corner managed 300' to SE corner bio-retention



device?

Thank you for this opportunity to address serious concerns re:  
proposed project at 632 McCorkle does not comply with conditions in the 1993 General Plan:  
Historic Element  
Land Use Element  
Housing Element  
CEQA: water quality

Best regards  
Anne Fisher

--  
Anne Fisher Associates  
1914 Bigelow Ave N  
Seattle, WA 98109  
Phone: 206-328-1400  
[afisherassoc@gmail.com](mailto:afisherassoc@gmail.com)