

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 ENVIRONMENTAL HEALTH SERVICES  
 1131 HARBOR BAY PARKWAY, RM 250  
 ALAMEDA, CA 94502-657  
 PHONE # 510/567-6700

**ACCEPTED**

Underground Storage Tank Closure Permit Application  
 Alameda County Division of Hazardous Materials  
 1131 Harbor Bay Parkway, Suite 250  
 Alameda, CA 94502-6577

These closure/removal plans have been reviewed and found to be acceptable and accordingly meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is not assessed for issuance of any required building permits by construction/renovation.  
 One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspectors Department in Alameda if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

- Removal of Tank(s) and Piping
- Grouting
- Final Inspection

Source of all plans is specified by permittee and closure is dependent on completion of accepted plans and all applicable laws and regulations.

**THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS**

Contact Specialist

Roseanna Garcia - La Grille  
 510-777-2149

See Table 2 for sample analysis

**UNDERGROUND TANK CLOSURE PLAN**

\* \* \* Complete plan according to attached instructions \* \* \*

1. Name of Business Golden Gate Tank Removal, Inc.  
 Business Owner or Contact Person (PRINT) Joshua Alexander
2. Site Address 132 Guilford Rd.  
 city Piedmont zip 94611 Phone (510)653-3460
3. Mailing Address 3730 Mission Street  
 city San Francisco zip 94110 Phone (415) 512-1555
4. Property Owner Leslie Mulholland  
 Business Name (if applicable) 132 Guilford Rd.  
 Address 132 Guilford Rd.  
 city, state Piedmont CA zip 94611
5. Generator name under which tank will be manifested  
Leslie Mulholland

EPA ID# under which tank will be manifested C A C 0 0 2 6 5 2 5 0 4

**SR0016790**

6. Contractor Golden Gate Tank Removal, Inc.  
 Address 3730 Mission Street  
 City San Francisco Phone (415) 512-1555  
 License Type A C-8 HAZ ID# 616521
7. Consultant (if applicable) \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State \_\_\_\_\_ Phone \_\_\_\_\_
8. Main Contact Person for Investigation (if applicable)  
 Name Joshua Alexander Title Project Manager  
 Company Golden Gate Tank Removal, Inc.  
 Phone (415) 512-1555
9. Number of underground tanks being closed with this plan 1 (one)  
 Length of piping being removed under this plan up to 15 feet  
 Total number of underground tanks at this facility (\*\*confirmed with owner or operator) 1 (to be removed)
10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**\*\* Underground storage tanks must be handled as hazardous waste \*\***

a) Product/Residual Sludge/Rinsate Transporter

Name Uniwaste, Inc. EPA I.D. No. CAL000317320  
 Hauler License No. 4919 License Exp. Date \_\_\_\_\_  
 Address P.O. Box 2404  
 City Union City State CA Zip \_\_\_\_\_

b) Product/Residual Sludge/Rinsate Disposal Site

Name Clearwater Environmental EPA ID# NVD982358483  
 Address 2430 Almond Drive  
 City Silver Springs State NV zip 89429

c) Tank and Piping Transporter

Name Golden Gate Tank Removal, Inc. (Dispose & Transport as Non Haz) EPA I.D. No. \_\_\_\_\_

Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_

Address 3730 Mission Street

city San Francisco State CA zip 94110

d) Tank and Piping Disposal Site

Name Circosta Scrap Metal EPA I.D. No. CAD983650797

Address 1801 Evans Ave.

city San Francisco State CA zip 94124

11. Sample Collector

Name Joshua Alexander

Company Golden Gate Tank Removal, Inc.

Address 3730 Mission Street

city San Francisco State CA zip 94110 Phone (415) 512-1555

12. Laboratory

Name Accutest Laboratories

Address 3334 Victor court

city Santa Clara State CA zip 95054

State Certification No. 2346

13. Have tanks or pipes leaked in the past? Yes [ ] No [ ] Unknown [X]

If yes, describe. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank(s) inert:

removal of product, purge, introduce dry ice to reduce vapors

flush lines and triple rinse with water, if necessary

pump to vacuum truck, steam clean tank

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.

15. Tank History and Sampling Information \*\*\* (see instructions) \*\*\*

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1500 Gallons	unknown	soil samples & water if present	1. stockpile 2. north/ east end of excavation 3. south/west end of excavation bottom of tank- max 15 feet

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated)  <h1>10-20 yards</h1>	Sampling Plan  4 point composite for every 50 cubic yards  or 4 point composite for every 20 cubic yards

**Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.**

Will the excavated soil be returned to the excavation immediately after tank removal?  yes  no  unknown

If yes, explain reasoning \_\_\_\_\_

If unknown at this point in time, please be aware that **excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.**

16. Chemical methods and associated detection limits to be used for analyzing sample(s):

**The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits shall be followed.**

See Table 2, Recommended Minimum Verification Analyses for Underground Tank Leaks.

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
<del>Benzene</del>	<del>8021B</del>	<del>SW8020F</del>	<del>0.005 PPM</del>
<del>Toluene</del>	<del>8021B</del>	<del>SW8020F</del>	<del>0.005 PPM</del>
<del>Ethylbenzene</del>	<del>8021B</del>	<del>SW8020F</del>	<del>0.005 PPM</del>
<del>Xylenes</del>	<del>8021 B</del>	<del>SW8020F</del>	<del>0.010 PPM</del>
<del>MTBE</del>	<del>8015M/8021B</del>	<del>SW8020F</del>	<del>0.005 PPM</del>
<del>TPH-D</del>	<del>8015M</del>	<del>CATFH</del>	<del>1.0 PPM</del>
		<i>See attached table #2</i>	

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit copy of Worker's Compensation Certificate

Name of Insurer State Fund Compensation Insurance

19. Submit Plot Plan (See Instructions)

20. Enclose Fee (See Instructions)

21. **Report all leaks or contamination to this office within 5 days of discovery.**  
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (URL) form.

22. Submit a closure report to this office within 60 days of the tank removal. The closure report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "Tank Removed" in the upper right hand corner, if applicable).

**TABLE #2**  
 REVISED 21 NOVEMBER 2003

**RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR  
 UNDERGROUND TANK LEAKS**

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u> (SW-846 METHOD)		<u>WATER ANALYSIS</u> (Water/Waste Water Method)	
<b>Gasoline (Leaded and Unleaded)</b>	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
		--Optional--		
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
<b>Unknown Fuel</b>	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
	--Optional--			
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
<b>Diesel, Jet Fuel, Kerosene, and Fuel/Heating Oil</b>	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
<b>Chlorinated Solvents</b>	CL HC	8260	CL HC	524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
	1,4-Dioxane	8270M	1,4-Dioxane	8270M
<b>Non-chlorinated Solvents</b>	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
<b>Waste, Used, or Unknown Oil</b>	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	O&G	9070	O&G	418.1
	BTEX	8260	BTEX	524.2/624 (8260)
	CL HC	8260	CL HC	524.2/624 (8260)
	1,4-Dioxane	8270M	1,4-Dioxane	8270M
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	METALS (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil water			
	PCB*, PCP*, PNA, CREOSOTE by 8270 for soil and 524/625 (8270) for water			
	* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)			

**NOTES:**

1. 8021 replaces old methods 8020 and 8010
2. 8260 replaces old method 8240
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001).

# RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

*For Use by Unlcoa Member Agencies or where approved by your Local Jurisdiction*

**TABLE #2**  
REVISED 1 MARCH 1999

HYDROCARBON LEAK	SOIL ANALYSIS (SW-846 METHOD)		WATER ANALYSIS (Water/Waste Water Method)	
Gasoline (Leaded and Unleaded)	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
		- Optional -		
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Unknown Fuel	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
		- Optional -		
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Diesel, Jet Fuel, Kerosene, and Fuel-Heating Oil	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2-624 (8260) for water			
Chlorinated Solvents	CL HC	8260	CL HC	524.2/624 (8260)
	BTEX	8060 or 8021	BTEX	524.2/624 (8260) or 524.2/602 (8021)
Non-chlorinated Solvents	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8060 or 8021	BTEX	524.2/624 (8260) or 524.2/602 (8021)
Waste, Used, or Unknown Oil	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	O&G	9070	O&G	418.1
	BTEX	8260	BTEX	524.2/624 (8260)
	CL HC	8260	CL HC	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	METALS (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil and water			
	PCB*, PCP*, PNA, CREOSOTE by 8270 for soil and 524/625 (8270) for water			
	* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)			

**NOTES:**

1. 8021 replaces old methods 8020 and 8010
2. 8260 replaces old method 8240
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001)



I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.


I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Golden Gate Tank Removal, Inc.


Name of Individual Annette Chen - Project Coordinator

Signature  Annette Chen Digitally signed by Annette Chen  
DN: cn=Annette Chen, ou=US  
date=2010.04.13 09:07:49 -0700 Date 4/13/10

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business \_\_\_\_\_

Name of Individual Leslie Mulholland

Signature  Leslie Mulholland Date 4/13/10

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – FACILITY INFORMATION**  
(One form per facility)

TYPE OF ACTION  1. NEW PERMIT  5. CHANGE OF INFORMATION  7. PERMANENT FACILITY CLOSURE 400.  
(Check one item only)  3. RENEWAL PERMIT  6. TEMPORARY FACILITY CLOSURE  9. TRANSFER PERMIT

**I. FACILITY INFORMATION**

TOTAL NUMBER OF USTs AT FACILITY 404. **1 (One)** FACILITY ID # (Agency Use Only) 1

BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3.  
**Residential**

BUSINESS SITE ADDRESS 103. **132 Guilford Rd.** CITY 104. **Piedmont**

FACILITY TYPE  1. MOTOR VEHICLE FUELING  2. FUEL DISTRIBUTION 403.  3. FARM  4. PROCESSOR  6. OTHER Is the facility located on Indian Reservation or Trust lands?  1. Yes  2. No 405.

**II. PROPERTY OWNER INFORMATION**

PROPERTY OWNER NAME 407. **Leslie Mulholland** PHONE 408. **(510) 653-3460**

MAILING ADDRESS 409. **132 Guilford Rd.**

CITY 410. **Piedmont** STATE 411. **CA** ZIP CODE 412. **94611**

**III. TANK OPERATOR INFORMATION**

TANK OPERATOR NAME 428-1. **Same as #2** PHONE 428-2. **( )**

MAILING ADDRESS 428-3.

CITY 428-4. STATE 428-5. ZIP CODE 428-6.

**IV. TANK OWNER INFORMATION**

TANK OWNER NAME 414. **Same as #2** PHONE 415. **( )**

MAILING ADDRESS 416.

CITY 417. STATE 418. ZIP CODE 419.

OWNER TYPE:  4. LOCAL AGENCY/DISTRICT  5. COUNTY AGENCY  6. STATE AGENCY 420.  
 7. FEDERAL AGENCY  8. NON-GOVERNMENT

**V. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER**

TY (TK) HQ 44- Call the State Board of Equalization, Fuel Tax Division, if there are questions. 421.

**VI. PERMIT HOLDER INFORMATION**

Issue permit and send legal notifications and mailings to:  1. FACILITY OWNER  4. TANK OPERATOR 423.  
 3. TANK OWNER  5. FACILITY OPERATOR

SUPERVISOR OF DIVISION, SECTION, OR OFFICE (Required for Public Agencies Only) 406.

**VII. APPLICANT SIGNATURE**

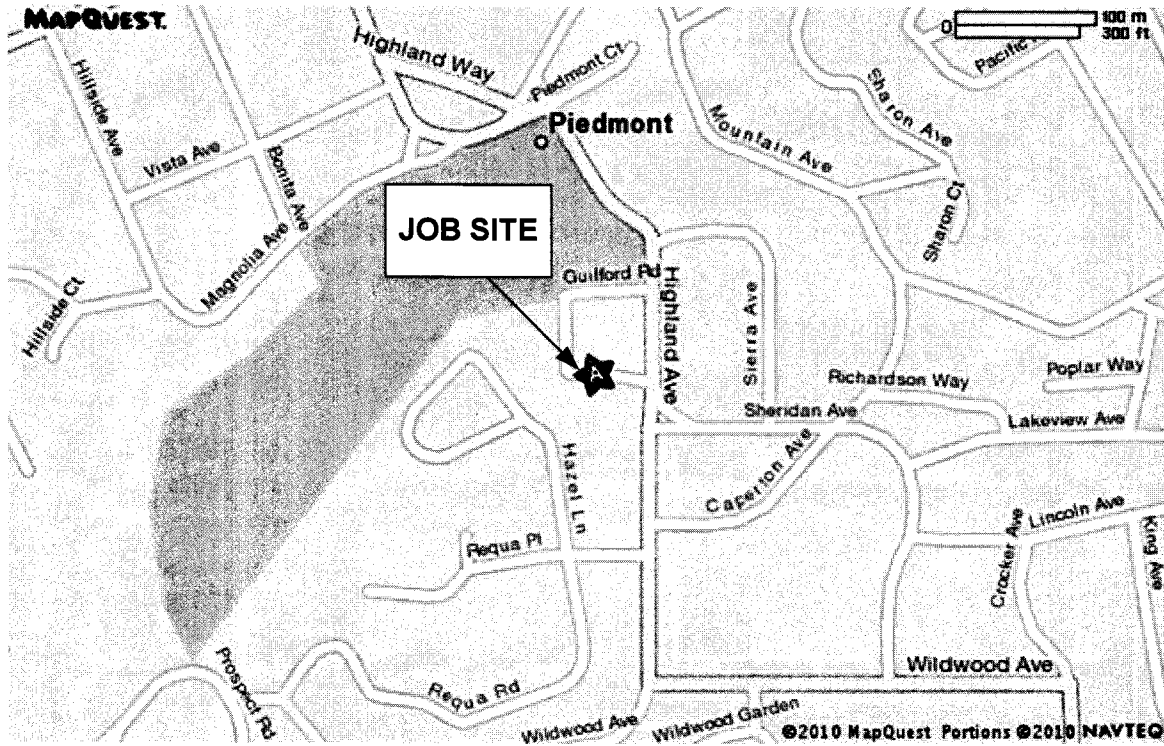
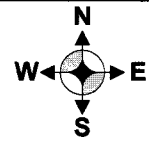
**CERTIFICATION: I certify that the information provided herein is true, accurate, and in full compliance with legal requirements.**

APPLICANT SIGNATURE  **Annette Chen** Digitally signed by Annette Chen DN: cn=Annette Chen, o=US Date: 2010.04.14 11:26:32 -0700 DATE 424. **3/14/10** PHONE 425. **(415) 512-1555**

APPLICANT NAME (print) 426. **Annette Chen - On Behalf of Owner** APPLICANT TITLE 427. **Project Coordinator**

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION <i>(Check one item only. For a UST closure or removal, complete only this section and Sections I, II, III, IV, and IX below)</i>		430.
<input type="checkbox"/> 1. NEW PERMIT	<input type="checkbox"/> 3. RENEWAL PERMIT	<input type="checkbox"/> 5. CHANGE OF INFORMATION
<input type="checkbox"/> 6. TEMPORARY UST CLOSURE	<input type="checkbox"/> 7. UST PERMANENT CLOSURE ON SITE	<input checked="" type="checkbox"/> 8. UST REMOVAL
DATE UST PERMANENTLY CLOSED: _____ 430a		DATE EXISTING UST DISCOVERED: <u>2/18/10</u> 430b.
<b>I. FACILITY INFORMATION</b>		
FACILITY ID # <i>(Agency Use Only)</i>		1
BUSINESS NAME <i>(Same as Facility Name or DBA – Doing Business As)</i>		3.
BUSINESS SITE ADDRESS <u>132 Guilford Rd.</u> 103		CITY <u>Piedmont</u> 104.
<b>II. TANK DESCRIPTION</b>		
TANK ID # <u>Unknown</u> 432	TANK MANUFACTURER <u>Unknown</u> 433	TANK CONFIGURATION: THIS TANK IS <input type="checkbox"/> 1. A STAND-ALONE TANK <span style="float:right">Complete one page for each</span> <input type="checkbox"/> 2. ONE IN A COMPARTMENTED UNIT <span style="float:right">compartment in the unit.</span> 434.
DATE UST SYSTEM INSTALLED <u>Unknown</u> 435.	TANK CAPACITY IN GALLONS <u>1500 gallons</u> 436.	NUMBER OF COMPARTMENTS IN THE UNIT <u>One</u> 437.
<b>III. TANK USE AND CONTENTS</b>		
TANK USE	<input checked="" type="checkbox"/> 1a. MOTOR VEHICLE FUELING <input type="checkbox"/> 1b. MARINA FUELING <input type="checkbox"/> 1c. AVIATION FUELING 439. <input type="checkbox"/> 3. CHEMICAL PRODUCT STORAGE <input type="checkbox"/> 4. HAZARDOUS WASTE <i>(Includes Used Oil)</i> <input type="checkbox"/> 5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)] 439a. <input type="checkbox"/> 6. OTHER GENERATOR FUEL <input type="checkbox"/> 95. UNKNOWN <input checked="" type="checkbox"/> 99. OTHER <i>(Specify):</i> <u>Heating Oil</u> 439a.	
CONTENTS	PETROLEUM: <input type="checkbox"/> 1a. REGULAR UNLEADED <input type="checkbox"/> 1c. MIDGRADE UNLEADED <input type="checkbox"/> 1b. PREMIUM UNLEADED 440. <input type="checkbox"/> 3. DIESEL <input type="checkbox"/> 5. JET FUEL <input type="checkbox"/> 6. AVIATION GAS <input type="checkbox"/> 8. PETROLEUM BLEND FUEL <input checked="" type="checkbox"/> 9. OTHER PETROLEUM <i>(Specify):</i> <u>Heating Oil</u> 440a. NON-PETROLEUM: <input type="checkbox"/> 7. USED OIL <input type="checkbox"/> 10. ETHANOL <input type="checkbox"/> 11. OTHER NON-PETROLEUM <i>(Specify):</i> _____ 440b.	
<b>IV. TANK CONSTRUCTION</b>		
TYPE OF TANK <input checked="" type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 95. UNKNOWN 443.	PRIMARY CONTAINMENT <input checked="" type="checkbox"/> 1. STEEL <input type="checkbox"/> 3. FIBERGLASS <input type="checkbox"/> 6. INTERNAL BLADDER 444.	
<input type="checkbox"/> 7. STEEL + INTERNAL LINING <input type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 444a.		
SECONDARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 3. FIBERGLASS <input type="checkbox"/> 6. EXTERIOR MEMBRANE LINER <input type="checkbox"/> 7. JACKETED 445.	<input type="checkbox"/> 90. NONE <input type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 445a.	
OVERFILL PREVENTION <input type="checkbox"/> 1. AUDIBLE & VISUAL ALARMS <input type="checkbox"/> 2. BALL FLOAT <input type="checkbox"/> 3. FILL TUBE SHUT-OFF VALVE 452.	<input type="checkbox"/> 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT	
<b>V. PRODUCT / WASTE PIPING CONSTRUCTION</b>		
PIPING CONSTRUCTION <input checked="" type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 99. OTHER 460.	SYSTEM TYPE <input type="checkbox"/> 1. PRESSURE <input type="checkbox"/> 2. GRAVITY <input type="checkbox"/> 3. CONVENTIONAL SUCTION <input checked="" type="checkbox"/> 4. SAFE SUCTION [23 CCR §2636(a)(3)] 458.	
PRIMARY CONTAINMENT <input checked="" type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 8. FLEXIBLE <input type="checkbox"/> 10. RIGID PLASTIC 464.	<input type="checkbox"/> 90. NONE <input type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464a.	
SECONDARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 8. FLEXIBLE <input type="checkbox"/> 10. RIGID PLASTIC 464b.	<input type="checkbox"/> 90. NONE <input type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464c.	
PIPING/TURBINE CONTAINMENT SUMP TYPE <input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 90. NONE 464d.		
<b>VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION</b>		
VENT PRIMARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 10. RIGID PLASTIC <input type="checkbox"/> 90. NONE <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464e.	464e1.	
VENT SECONDARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 10. RIGID PLASTIC <input type="checkbox"/> 90. NONE <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464f.	464f1.	
VR PRIMARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 10. RIGID PLASTIC <input type="checkbox"/> 90. NONE <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464g.	464g1.	
VR SECONDARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 10. RIGID PLASTIC <input type="checkbox"/> 90. NONE <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464h.	464h1.	
VENT PIPING TRANSITION SUMP TYPE <input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 90. NONE 464i.		
RISER PRIMARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 10. RIGID PLASTIC <input type="checkbox"/> 90. NONE <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464j.	464j1.	
RISER SECONDARY CONTAINMENT <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 10. RIGID PLASTIC <input type="checkbox"/> 90. NONE <input type="checkbox"/> 99. OTHER <i>(Specify):</i> _____ 464k.	464k1.	
FILL COMPONENTS INSTALLED <input type="checkbox"/> 1. SPILL BUCKET <input type="checkbox"/> 3. STRIKER PLATE/BOTTOM PROTECTOR <input type="checkbox"/> 4. CONTAINMENT SUMP 451a-c		
<b>VII. UNDER DISPENSER CONTAINMENT (UDC)</b>		
CONSTRUCTION TYPE <input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 3. NO DISPENSERS <input type="checkbox"/> 90. NONE 469a.		
CONSTRUCTION MATERIAL <input type="checkbox"/> 1. STEEL <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 10. RIGID PLASTIC <input type="checkbox"/> 99. OTHER <i>(Specify)</i> 469b.	469c.	
<b>VIII. CORROSION PROTECTION</b>		
STEEL COMPONENT PROTECTION <input type="checkbox"/> 2. SACRIFICIAL ANODE(S) <input type="checkbox"/> 4. IMPRESSED CURRENT <input type="checkbox"/> 6. ISOLATION 448.		
<b>IX. APPLICANT SIGNATURE</b>		
<b>CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.</b>		
APPLICANT SIGNATURE <input checked="" type="checkbox"/> Annette Chen <small>Digitally signed by Annette Chen DN: cn=Annette Chen, c=US Date: 2010.04.14 11:28:48 -0700</small> 471.	DATE <u>3/14/10</u> 470.	
APPLICANT NAME (print) <u>Annette Chen - On Behalf of Owner</u> 471.	APPLICANT TITLE <u>Project Coordinator</u> 472.	



**GOLDEN GATE TANK REMOVAL, INC.**  
3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 512-1555 Fx (415) 512-0964

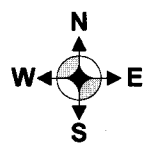
**VICINITY MAP**  
132 Guilford Road  
Piedmont, CA 94611

GGTR Project No.9139

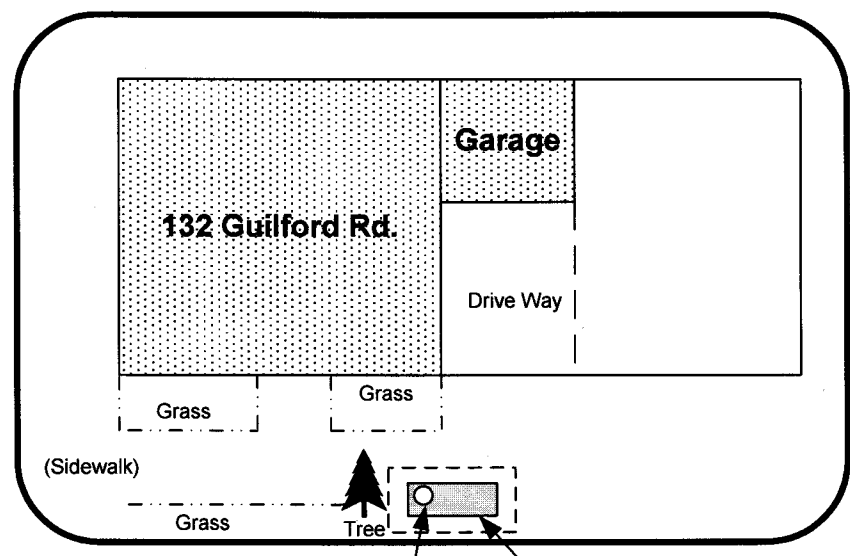
Drawing By: AC

April 2010

Figure 1



Guilford Rd.



Highland Ave.

Guilford Rd.

<p><b>GOLDEN GATE TANK REMOVAL, INC.</b> 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964</p>	<p><b>Site Drawing</b> 132 Guilford Road Piedmont, CA 94611</p>		
<p>GGTR Project No. 9139</p>	<p>Drawing By: AC</p>	<p>April 2010</p>	<p>Figure 2</p>



**SITE SAFETY PLAN  
UNDERGROUND TANK REMOVAL**

**132 GUILFORD ROAD  
PIEDMONT, CALIFORNIA 94611**

**April 14, 2010**

**GOLDEN GATE TANK REMOVAL, INC.  
3730 MISSION STREET  
SAN FRANCISCO, CALIFORNIA 94110**

**PROJECT # 9139**

132 Guilford Road, Piedmont California 94611 – Job# 9139

SITE HAZARD INFORMATION

PLEASE PROVIDE THE FOLLOWING INFORMATION FOR THE SITE

Owners Name: Leslie Mulholland
Site Address: 132 Guilford Rd.
Piedmont, CA 94611
Directions to Site: Cross Street: Highland Ave.

Consultant On Site: Golden Gate Tank Removal, Inc. Phone number: 415/512-1555
Site Safety Officer: Joshua Alexander Phone Number: 415/512-1555
Type of Facility: Commercial Mobile Number: 415/730-2179
Site Activities: Drilling construction x Tank Excavation Soil Excavation
Work in Traffic Area Groundwater Extraction Vapor Extraction Above Ground Remediation
Other:

Hazardous Substances

Table with 3 columns: Name (CAS#), Expected Concentration, Health Affects. Row 1: Heating Oil, Minimal, Nausea, Dizziness.

Physical Hazards

x Noise x Excavations/Trenches
x Traffic Other:
x Underground Hazards Overhead Lines
Potential Explosions and Fire hazards:

Level of Protection Equipment

A B C X D See Personal Protective Equipment

Personal Protective Equipment

R = Required A = As Needed

- R Hard Hat
A Safety Boots
R Orange Vest
A Hearing Protection
Tyvek Coveralls
A Safety Eye wear (Type)
A Respirator (Type) 1/2 Face
A Filter (Type) Carbon
A Gloves (Type) Leather
Other

132 Guilford Road, Piedmont California 94611 – Job# 9139

SITE HAZARD INFORMATION

Monitoring Equipment On Site

Organic Vapor Analyzer  
Oxygen Meter  
H2S Meter

Air Sampling Pump  
X Combustible Gas Meter  
Other \_\_\_\_\_

Site Control Measures Normal Pedestrian, Orange Cones, Traffic Signs

Decontamination Procedures Warm Water Soap

Hospital/Clinic Kaiser Permanente Medical Ctr. Phone (510) 251-3960

Hospital Address 280 W Macarthur Blvd., Oakland, CA 94611

Paramedic 911 Fire Dept. 911 Police Dept. 911

Emergency/Contingency Plans & Procedures See Safety Procedures

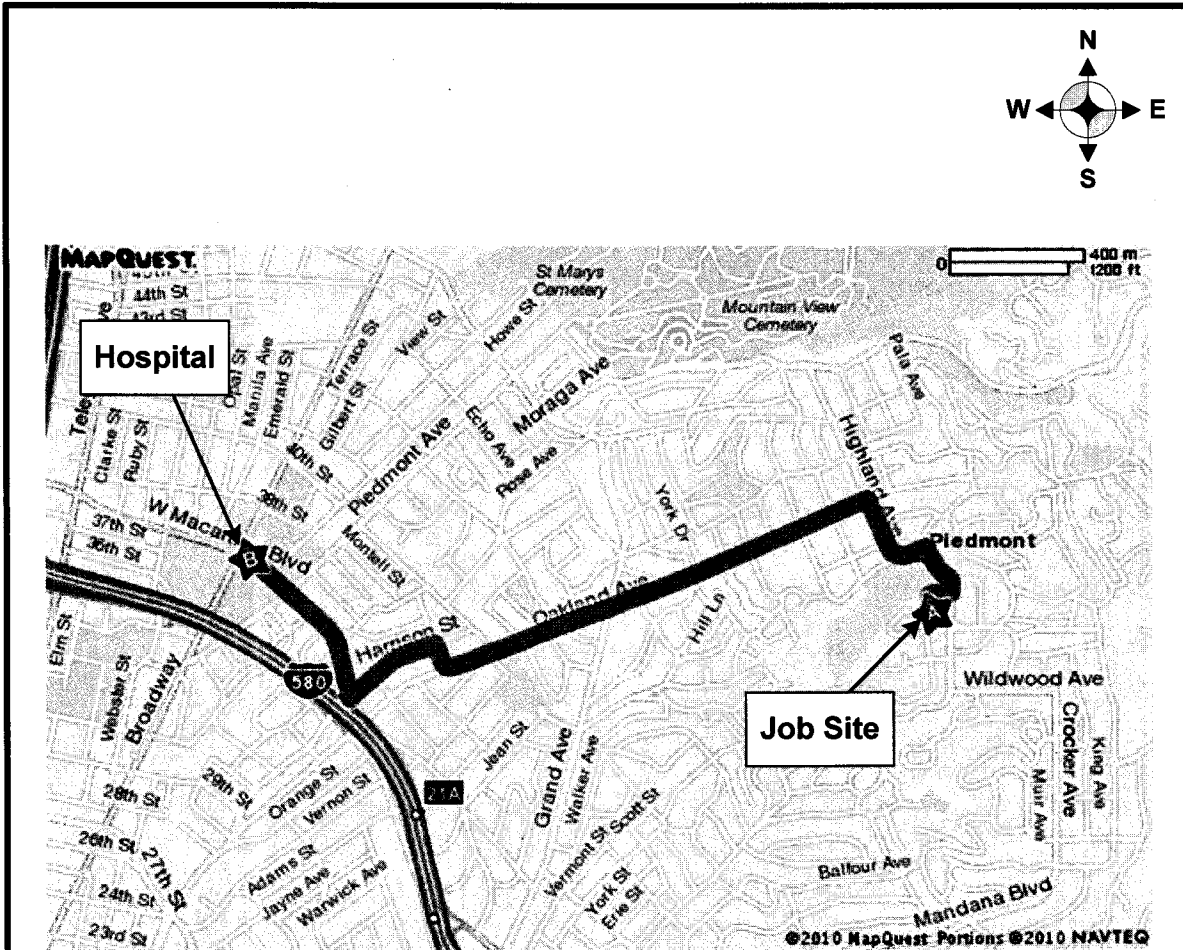
Site Hazard Information Provided By: Annette Chen Phone: 415/512-1555

Signature:  Annette Chen

Digitally signed by Annette Chen  
DN: cn=Annette Chen, o=JDS  
Date: 2010.04.14 11:27:14  
+0700

Date: 4/14/10





Total Travel Estimate : 2.13 miles - about 6 minutes

- A. 132 Guilford Rd, Piedmont, CA, 94611-3805
1. Start out going EAST on GUILFORD RD toward HIGHLAND AVE. 0.1 mi
  2. Turn LEFT onto HIGHLAND AVE. 0.1 mi
  3. Turn LEFT to stay on HIGHLAND AVE. 0.2 mi
  4. Turn LEFT onto OAKLAND AVE. 1.0 mi
  5. Turn SLIGHT RIGHT onto BAYO VISTA AVE. 0.1 mi
  6. Turn LEFT onto HARRISON ST. 0.2 mi
  7. Turn RIGHT onto W MACARTHUR BLVD. 0.4 mi
  8. 280 W MACARTHUR BLVD is on the RIGHT. 0.0 mi
- B. Kaiser Permanente Medical Center - 280 W Macarthur Blvd, Oakland, CA, 94611

**GOLDEN GATE TANK REMOVAL, INC.**  
 3730 Mission Street  
 San Francisco, CA 94110  
 Ph (415) 512-1555 Fx (415) 512-0964

**HOSPITAL MAP**  
 Kaiser Permanente Medical Ctr  
 280 W Macarthur Blvd.  
 Oakland, California 94611  
 (510) 251-3960

GGTR Project No. 9139

Drawing By: AC

April 2010

Figure H

## **1.0 PURPOSE**

This operating procedure establishes minimum procedures for protecting personnel against the hazardous properties during the performance of the removal of an underground storage tank and related activities. All employees and subcontractors of Golden Gate Tank Removal shall follow this plan. This plan is developed to work with the California Occupational Safety and Health Code to quickly prepare and issue a site safety plan for the removal of an underground storage tank and the related activities.

## **2.0 APPLICABILITY**

This procedure is applicable to the removal of underground storage tanks and the related activities. Listed below are some of, but not limited to, the activities and substances that may be encountered during the project.

### Activities:

The work to be performed will include: the excavation of potentially contaminated soil in order to expose the underground storage tank, the stock piling of soil, the removal and manifested disposal of the tank, the recovery of soil samples from the excavation and stockpiled soil, and the backfill and resurfacing of the excavation.

### Substances:

- Diesel Fuel Oil (Home Heating Oil)
- Lead and Unleaded Gasoline
- Diesel Fuel
- Motor Oil (used and unused)

## **3.0 RESPONSIBILITY AND AUTHORITY**

Personnel responsible for project safety are the business unit's Health and Safety Officer (HSO), the Project Manager (PM), and the Site Safety Officer (SSO).

The HSO is responsible for reviewing and approving the site safety plan and advising both the PM and SSO on health and safety matters. The HSO has the authority to audit compliance with the provisions of the site safety plan, suspend work or modify work practices for safety reasons, and to dismiss from the site any individual whose conduct on-site endangers the health and safety of themselves and/or others.

The PM is responsible for having the site safety plan prepared and distributed to all field personnel and to an authorized representative of each firm contracted to assist with the on-site work.

The SSO is responsible for assisting the PM with on-site implementation of site safety plan. The SSO may suspend work anytime he/she determines that the provisions of the site safety plan are inadequate to ensure worker safety and inform the PM and HSO of individuals whose on-site behavior jeopardizes their health and safety or the health and safety of others.

#### **4.0 HAZARD EVALUATION/CRITERIA**

##### Chemical

The general types of chemical hazards associated with this project are exposure to various chemical substances, including but not limited to, petroleum hydrocarbon liquids and vapors, caustic and acidic mists, liquids and solids. Exposure to elevated levels of hydrocarbon vapors presents potential health risks that need to be properly controlled. Work practices and methods will be monitored to limit exposures. Where elevated exposures persist, respiratory protection will be the primary control method to protect personnel from inhalation of hydrocarbon vapors.

##### Physical

The general types of physical hazards associated with this project are:

- Mechanical hazards: swinging objects, machinery, etc.,
- Physical lifting, shoveling, climbing (ladder), etc.,
- Electrical hazards: buried cables and overhead power lines,
- Thermal hazards: heat stress, and heat exhaustion
- Acoustical hazards: excessive noise created by machinery.

##### Flammability

The general types of flammable hazards associated with this project are fire hazards: natural gas and product lines, flammable petroleum hydrocarbons, and motor driven equipment.

Petroleum distillate fuels possess two intrinsic hazardous properties, namely, flammability and toxicity. The flammable property of the oil and fuels presents a far greater hazard to field personnel than toxicity because it is difficult to protect against and can result in catastrophic consequences. Being flammable, the vapors of volatile components of crude oil and the fuels can be explosive when confined.

Eliminating any one of the three factors needed to produce combustion can minimize the probability of fire and explosion. Two of the factors, ignition source and vapor concentration, can be controlled in many cases. Prohibiting open fires and smoking on-site, installing spark arrestors on engines and turning off engines when fuel is approached can

## 132 Guilford Road, Piedmont California 94611 – Job# 9139

control ignition. Introducing dry ice (solid carbon dioxide) in the tank can reduce vapor concentrations in the headspace; the carbon dioxide gas will displace the combustible vapors.

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### 5.0 HEALTH AND SAFETY DIRECTIVES

#### Site-Specific Safety Briefing

Before fieldwork begins, all field personnel, including subcontractor employees must be briefed on their work assignments and safety procedures contained in this document.

#### Personal Protective Equipment

Each field team member shall have on-site, before the commencement of work, the following personal protective equipment:

- NIOSH-approved full or half face respirator with organic vapor cartridges (cartridges will be supplied pending the work criteria).
- Hard-hat and safety vest
- Leather work boots, steel toed boots are strongly suggested
- Leather work gloves
- Ear protection, earphone type or ear plugs
- Eye protection, safety glasses and splash proof goggles

#### Equipment Usage

Hard-hats and safety vests must be worn at all times when on the job site.

Safety goggles must be worn when working within 10 feet of any operating heavy equipment (e.g., jackhammer, and backhoe). Splash-proof goggles or face shields must be worn whenever product quantities of fuel are encountered.

Respirators must be worn whenever total airborne hydrocarbon levels in the breathing zone of field personnel reach or exceed a 15-minute average of 25 ppm. If total airborne hydrocarbons in the breathing zone exceed 100 ppm, work must be suspended, personnel directed to move a safe distance from the source, and the HSO or designee consulted.

Chemical-resistant safety boots must be worn during the performance of work where surface soil is obviously contaminated.

#### Monitoring

Personal exposure to ambient airborne hazards will be monitored to assure that personnel exposures do not exceed acceptable limits and that appropriate selection of protective equipment items is made. If concentrations approach

## **132 Guilford Road, Piedmont California 94611 – Job# 9139**

criteria levels, all personnel will be notified of possible site safety changes. Audits will be conducted by the Safety Officer to insure compliance with the Safety Plan and to provide additional support as required.

---

### Area Control

Access to hazardous and potential hazardous work sites must be controlled to reduce the probability of occurrence of physical injury and chemical exposure of field personnel, visitors and the public. A hazardous or potential hazardous area includes area where a tank removal or related activity is being performed and/or field personnel are required to wear respirators.

Cordons, barricades, and/or emergency traffic cones or posts, depending on conditions must identify the boundaries of hazardous and potentially hazardous areas. If such areas are left unattended, signs warning of the danger and forbidding entry must be placed around the perimeter if the areas are accessible to the public. Trenches and other large holes must be guarded with wooded or metal barricades spaced no further than 20 feet apart and connected with yellow caution tape. The barricades must be placed no less than two feet from the edge of the excavation or hole.

Entry to hazardous areas shall be limited to individuals who must work in those areas. Unofficial visitors must not be permitted to enter hazardous areas while work in those areas is in progress.

Official visitors should be discouraged from entering hazardous areas, but may be allowed to enter only if they agree to abide by the safety officer and are informed of the potential dangers that could be encountered in the areas.

### Decontamination

Field decontamination of personnel and equipment is not required except when contamination is obvious (visual or by odor). Recommended de-contamination procedures follow:

#### Personnel

Gasoline, heating oil, diesel and oil should be removed from skin using a mild detergent and water. Hot water is more effective than cold. Liquid dishwashing detergent is more effective than hand soap. If weathered to an asphaltic condition, mechanics waterless hand cleaner is recommended for initial cleaning followed by detergent and water.

#### Equipment

Gloves, respirators, hard-hats, boots and goggles should be cleaned as described under personnel. However, if boots do not become clean after washing with detergent and water, they should be cleaned with a strong solution of trisodium phosphate and hot water. If this fails, clean with diesel oil followed by detergent and water to remove diesel oil.

Sampling equipment, augers, vehicle undercarriages, and tires should be steamed cleaned. The steam cleaner is a convenient source of hot water for personnel and protective equipment cleaning.

## **6.0 SAFETY AND HEALTH TRAINING**

Each individual on the job site should have been or is preparing to attend the 40 hr. Hazardous Materials Handling Course as required by the California Occupational Safety and Health Association. In addition, the HSO conducts Bi-weekly health and safety meetings.

Each morning before fieldwork begins, all field personnel, including subcontractor employees, must attend the site-specific safety briefing at their work site to receive assignments and safety procedures.

## **7.0 RECORD KEEPING REQUIREMENT**

The following record keeping requirements will be maintained in the program file indefinitely. The particular organization responsible for these records is also listed.

- Copy of this Health and Safety Plan - Golden Gate Tank Removal.
- Health and Safety Training Certification Form for Site Safety Officer -- Golden Gate Tank Removal.
- Any accident/illness report forms -- All Parties.
- Personal sampling results -- Golden Gate Tank Removal.
- Documentation of employee's medical ability to perform work and wear respirators -- All parties.

Prepared By:



**Annette Chen**

Digitally signed by Annette  
Chen  
DN: cn=Annette Chen, c=US  
Date: 2010.04.14 11:27:44  
+07'00'

Annette Chen

Golden Gate Tank Removal, Inc.

# **ATTACHMENTS**

**STATE CONTRACTOR'S LICENSE  
CERTIFICATE OF COMPLETION 8HRS ANNUAL HAZWOPER  
WORKMEN'S COMPENSATION INSURANCE  
CERTIFICATE OF LIABILITY INSURANCE  
OSHA ANNUAL EXCAVATION PERMIT**



State Of California  
**CONTRACTORS STATE LICENSE BOARD**  
**ACTIVE LICENSE**



License Number **616521**

Entity **CORP**

Business Name **GOLDEN GATE TANK REMOVAL INC**

Classification(s) **A C-8 HAZ**

Expiration Date **02/28/2011**





**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Honorio Mora Vargas  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Salvador Martinez  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Gabriel Vargas  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Gabriel Limon  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Ruben Limon  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Brent Wheeler  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Tim Hallen  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Julian Rodriguez  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Julian Maldonado  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor

**Compliance Solutions Occupational Trainers, Inc.  
Certificate of Completion**

Student Name: Joshua Alexander  
Company: Golden Gate Tank Removal Inc

I Certify the above named student has been tested and trained under  
8 Hour Annual HAZWOPER Refresher  
29 CFR 1910.120(e)

Date of Issue: 11/2/2009

By:   
Christopher Johnson Instructor



P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

## CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

ISSUE DATE: 10-01-2009

GROUP: 000571  
 POLICY NUMBER: 0007200-2009  
 CERTIFICATE ID: 159  
 CERTIFICATE EXPIRES: 10-01-2010  
 10-01-2009/10-01-2010

GOLDEN GATE TANK REMOVAL  
 3730 MISSION ST  
 SAN FRANCISCO CA 94110-5830

NA

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon 30 days advance written notice to the employer.

We will also give you 30 days advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policy listed herein. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate of insurance may be issued or to which it may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions, and conditions, of such policy.

*James Neary*  
 AUTHORIZED REPRESENTATIVE

*Janet Frank*  
 PRESIDENT

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: \$1,000,000 PER OCCURRENCE.

ENDORSEMENT #1600 - JAMES F. TRACY CEO, CFO - EXCLUDED.

ENDORSEMENT #2066 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE 10-01-2001 IS ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

GOLDEN GATE TANK REMOVAL, INC  
 3730 MISSION ST  
 SAN FRANCISCO CA 94110

NA



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
2/12/2010

PRODUCER (415) 978-3800 FAX: (415) 978-3825  
 Calender-Robinson Company, Inc.  
 FB0267063  
 300 Montgomery St., Suite 888  
 San Francisco CA 94104

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED  
 Golden Gate Tank Removal Inc.  
 3730 Mission Street  
 San Francisco CA 94110

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: American Safety Indemnity	
INSURER B: General Ins Co of America	24732
INSURER C:	
INSURER D:	
INSURER E:	

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS MADE <input checked="" type="checkbox"/> OCCUR	ENV024602-10-01	1/23/2010	1/23/2011	EACH OCCURRENCE \$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000				
					MED EXP (Any one person) \$ 5,000
					PERSONAL & ADV INJURY \$ 1,000,000
					GENERAL AGGREGATE \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/>				PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO	24-CC-276524-1	1/23/2010	1/23/2011	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per person) \$
	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS				PROPERTY DAMAGE (Per accident) \$
	<input checked="" type="checkbox"/> NON-OWNED AUTOS				
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$
					OTHER THAN EA ACC \$
					AUTO ONLY: AGG \$
A	EXCESS / UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE	ENU024604-10-01	1/23/2010	1/23/2011	EACH OCCURRENCE \$ 4,000,000
					AGGREGATE \$ 4,000,000
					\$
					\$
	DEDUCTIBLE				\$
	RETENTION \$				\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below				WC STATUTORY LIMITS OTHER
					E.L. EACH ACCIDENT \$
					E.L. DISEASE - EA EMPLOYEE \$
					E.L. DISEASE - POLICY LIMIT \$
A	OTHER CONTRACTORS POLLUTION LIABILITY	ENV024602-10-01	1/23/2010	1/23/2011	AGGREGATE LIMIT \$1,000,000
					EACH CLAIM \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

\*10-DAY NOTICE OF CANCELLATION APPLIES FOR NON-PAYMENT OF PREMIUM.

## CERTIFICATE HOLDER

TO BE DETERMINED AT INSURED'S REQUEST

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2009/01)  
INS025 (2009/01)

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The ACORD name and logo are registered marks of ACORD

No: **2009-900016**

**ANNUAL PERMIT**

Permit Issued To

(Insert Contractor/Project Administrator's Name, Address and Telephone No.)

Golden Gate Tank Removal Inc  
3730 Mission St  
San Francisco CA 94110-5830

(415) 512-1555

No. \_\_\_\_\_  
Date 7/10/2009  
Region 1  
District 1  
Tel. (415) 972-8670

**Type of Permit** T1-ANNUAL TRENCH/EXCAVATION

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number		616521		Permit Valid through		July 10, 2010	
Description of Project		Location Address		City and County		Anticipated Dates	
Various		Statewide				Starting      Completion	
						Jul 10, 2009      Jul 10, 2010	

**This Permit is issued upon the following conditions:**

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. The employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CCR 341.4

Received From		Received By	
Tim Hallen		Permit Unit	
<input type="checkbox"/> Cash	Amount	Date	
<input checked="" type="checkbox"/> Check 22482	\$100.00	7/10/09	

Investigated by \_\_\_\_\_  
Approved by Robert E. Law Safety Engineer Date 7/10/2009  
District Manager/Permit Unit Date \_\_\_\_\_

MUNICIPAL BUSINESS TAX

CITY OF PIEDMONT

120 VISTA AVE. PIEDMONT, CA 94611

(510)420-3040

License No. 9933695

Expire: 06/11/10

Date Issue 03/11/10

State Lic#: 616521

Bus Name GOLDEN GATE TANK REMOVAL INC  
Location 3730 MISSION STREET  
SAN FRANCISCO, CA 94110

Tax Amt \$50.00

WC Carrier STATE COMP INS. FUND  
WC Policy 000571-0007200  
WC Expire: 10/01/10

Amount Paid \$50

The licensee has paid to the City of Piedmont the business license tax required by city ordinance and is hereby authorized to conduct business in the City of Piedmont. This license must be conspicuously posted at any fixed place of business. All other licensees must carry this license or prominently display in their vehicle the sticker provided below.

Bus Owner: TIM HALLEN  
Mail Addr: 3730 MISSION STREET  
SAN FRANCISCO CA 94110

*Patricia Panau*  
for City Clerk

Fold & detach here

License# 9933695 Expire: 06/11/10

GOLDEN GATE TANK REMOVAL INC  
General Building Contractors

CITY OF PIEDMONT  
Business Tax Sticker

License# 9933695 Expire: 06/11/10

GOLDEN GATE TANK REMOVAL INC  
General Building Contractors

CITY OF PIEDMONT  
Business Tax Sticker

# HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

### I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) <sup>3</sup>			FACILITY ID# <span style="border: 1px solid black; display: inline-block; width: 100%; height: 1.2em; vertical-align: middle;"></span>									
TANK OWNER NAME												
TANK OWNER ADDRESS												
TANK OWNER CITY							STATE		ZIP CODE			

### II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # <small>(Attach additional copies of this page for more than three tanks)</small>	Concentration of Flammable Vapor			Concentration of Oxygen		
		Top	Center	Bottom	Top	Center	Bottom
1	745	746a	746b	746c	747a	747b	747c
2	748	749a	749b	749c	750a	750b	750c
3	751	752a	752b	752c	753a	753b	753c

### III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER	STATUS OR AFFILIATION OF CERTIFYING PERSON Certifier is a representative of the CUPA, authorized agency, or LIA: <span style="float: right;">760</span> <input type="checkbox"/> Yes <input type="checkbox"/> No Name of CUPA, authorized agency, or LIA: <span style="float: right;">761</span> <hr/> If certifier is other than CUPA / LIA check appropriate box below: <span style="float: right;">762</span> <input type="checkbox"/> a. Certified Industrial Hygienist (CIH) <input type="checkbox"/> b. Certified Safety Professional (CSP) <input type="checkbox"/> c. Certified Marine Chemist (CMC) <input type="checkbox"/> d. Registered Environmental Health Specialist (REHS) <input type="checkbox"/> e. Professional Engineer (PE) <input type="checkbox"/> f. Class II Registered Environmental Assessor <input type="checkbox"/> g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)
NAME OF CERTIFIER (Print) <span style="float: right;">754</span>	
TITLE OF CERTIFIER <span style="float: right;">755</span>	
ADDRESS <span style="float: right;">756</span>	
CITY <span style="float: right;">757</span>	
PHONE <span style="float: right;">758</span>	
DATE <span style="float: right;">759</span> CERTIFICATION TIME	

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS <span style="float: right;">763</span>	
<small>(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.)</small> <span style="float: right;"><input type="checkbox"/> Yes    <input type="checkbox"/> No</span>	

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: <span style="float: right;">764</span>

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency, owner / operator of the tank system, removal contractor, and the recycling / disposal facility.

**ATTN: Mr. Robert Weston**

**Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Room 250  
Alameda, CA 94502-6577  
510-567-6700**

**Health Permit Application  
Underground Tank Removal**

**132 Guilford Road  
Piedmont, California 94611**

**April 14, 2010**

**Golden Gate Tank Removal, Inc.  
3730 Mission Street  
San Francisco, California 94110**

**Project # 9139**

**ENVIRONMENTAL HEALTH  
PAID**

APR 15 2010

BY:

*J. Kangel*

*# 23333*

*PE4244*

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
ENVIRONMENTAL HEALTH SERVICES  
1131 HARBOR BAY PARKWAY, RM 250  
ALAMEDA, CA 94502-6577  
PHONE # 510/567-6700

UNDERGROUND TANK CLOSURE PLAN

\* \* \* Complete plan according to attached instructions \* \* \*

1. Name of Business Golden Gate Tank Removal, Inc.  
Business Owner or Contact Person (PRINT) Joshua Alexander
2. Site Address 132 Guilford Rd.  
City Piedmont Zip 94611 Phone (510)653-3460
3. Mailing Address 3730 Mission Street  
City San Francisco Zip 94110 Phone (415) 512-1555
4. Property Owner Leslie Mulholland  
Business Name (if applicable) 132 Guilford Rd.  
Address 132 Guilford Rd.  
City, state Piedmont CA Zip 94611
5. Generator name under which tank will be manifested  
Leslie Mulholland  
EPA ID# under which tank will be manifested C A C 0 0 2 6 5 2 5 0 4



**GOLDEN GATE TANK REMOVAL INC.**  
3730 MISSION STREET  
SAN FRANCISCO, CA 94110  
(415) 512-1555

**THE MECHANICS BANK**  
343 SANSOME ST, STE 850  
SAN FRANCISCO, CA 94104  
(415) 249-0300  
90-203/1211

23333

4/14/10

PAY TO THE  
ORDER OF

County of Alameda

\$ 947. -

NINE HUNDRED FORTY SEVEN

DOLLARS

County of Alameda

MEMO

(#9135-13P Guilford Rd Piedmont)

*Tim Hall*

⑈023333⑈ ⑆121102036⑆ 0410081129⑈

**GOLDEN GATE TANK REMOVAL INC.**

County of Alameda  
Permits

Permit

4/14/10

23333

Gen129

(#9139-13P Guilford Rd Piedmont)

6. Contractor Golden Gate Tank Removal, Inc.  
Address 3730 Mission Street  
City San Francisco Phone (415) 512-1555  
License Type A C-8 HAZ ID# 616521
7. Consultant (if applicable) \_\_\_\_\_  
Address \_\_\_\_\_  
City, State \_\_\_\_\_ Phone \_\_\_\_\_
8. Main Contact Person for Investigation (if applicable)  
Name Joshua Alexander Title Project Manager  
Company Golden Gate Tank Removal, Inc.  
Phone (415) 512-1555
9. Number of underground tanks being closed with this plan 1 (one)  
Length of piping being removed under this plan up to 15 feet  
Total number of underground tanks at this facility (\*\*confirmed with owner or operator) 1 (to be removed)
10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**\*\* Underground storage tanks must be handled as hazardous waste \*\***

a) Product/Residual Sludge/Rinsate Transporter

Name Uniwaste, Inc. EPA I.D. No. CAL000317320  
Hauler License No. 4919 License Exp. Date \_\_\_\_\_  
Address P.O. Box 2404  
City Union City State CA Zip \_\_\_\_\_

b) Product/Residual Sludge/Rinsate Disposal Site

Name Clearwater Environmental EPA ID# NVD982358483  
Address 2430 Almond Drive  
City Silver Springs State NV Zip 89429

c) Tank and Piping Transporter

Name Golden Gate Tank Removal, Inc. (Dispose & Transport as Non Haz) EPA I.D. No. \_\_\_\_\_

Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_

Address 3730 Mission Street

City San Francisco State CA Zip 94110

d) Tank and Piping Disposal Site

Name Circosta Scrap Metal EPA I.D. No. CAD983650797

Address 1801 Evans Ave.

City San Francisco State CA Zip 94124

11. Sample Collector

Name Joshua Alexander

Company Golden Gate Tank Removal, Inc.

Address 3730 Mission Street

City San Francisco State CA Zip 94110 Phone (415) 512-1555

12. Laboratory

Name Accutest Laboratories

Address 3334 Victor court

City Santa Clara State CA Zip 95054

State Certification No. 2346

13. Have tanks or pipes leaked in the past? Yes [ ] No [ ] Unknown [X]

If yes, describe. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

14. Describe methods to be used for rendering tank(s) inert:

removal of product, purge, introduce dry ice to reduce vapors

flush lines and triple rinse with water, if necessary

pump to vacuum truck, steam clean tank

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.

15. Tank History and Sampling Information \*\*\* (see instructions) \*\*\*

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1500 Gallons	unknown	soil samples & water if present	1. stockpile 2. north/ east end of excavation 3. south/west end of excavation bottom of tank- max 15 feet

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated)  <h1>10-20 yards</h1>	Sampling Plan  4 point composite for every 50 cubic yards  or 4 point composite for every 20 cubic yards

**Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.**

Will the excavated soil be returned to the excavation immediately after tank removal?  yes  no  unknown

If yes, explain reasoning \_\_\_\_\_  
 \_\_\_\_\_

If unknown at this point in time, please be aware that **excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.**

16. Chemical methods and associated detection limits to be used for analyzing sample(s):

**The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits shall be followed.**

See Table 2, Recommended Minimum Verification Analyses for Underground Tank Leaks.

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Benzene	8021B	SW8020F	0.005 PPM
Toluene	8021B	SW8020F	0.005 PPM
Ethylbenzene	8021B	SW8020F	0.005 PPM
Xylenes	8021 B	SW8020F	0.010 PPM
MTBE	8015M/8021B	SW8020F	0.005 PPM
TPH-D	8015M	CATFH	1.0 PPM

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit copy of Worker's Compensation Certificate

Name of Insurer State Fund Compensation Insurance

19. Submit Plot Plan (See Instructions)

20. Enclose Fee (See Instructions)

21. **Report all leaks or contamination to this office within 5 days of discovery.**

The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (URL) form.

22. Submit a closure report to this office within 60 days of the tank removal. The closure report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "Tank Removed" in the upper right hand corner, if applicable).

## RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

*For Use by Unkdocs Member Agencies or where approved by your Local Jurisdiction*

### TABLE #2

REVISED 1 MARCH 1999

HYDROCARBON LEAK	SOIL ANALYSIS (SW-846 METHOD)		WATER ANALYSIS (Water/Waste Water Method)	
Gasoline (Leaded and Unleaded)	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
		-- Optional --		
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Unknown Fuel	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
	-- Optional --			
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Diesel, Jet Fuel, Kerosene, and Fuel-Heating Oil	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2-624 (8260) for water			
Chlorinated Solvents	CL HC	8260	CL HC	524.2/624 (8260)
	BTEX	8060 or 8021	BTEX	524.2/624 (8260) or 524.2/602 (8021)
Non-chlorinated Solvents	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8060 or 8021	BTEX	524.2/624 (8260) or 524.2/602 (8021)
Waste, Used, or Unknown Oil	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	O&G	9070	O&G	418.1
	BTEX	8260	BTEX	524.2/624 (8260)
	CL HC	8260	CL HC	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	METALS (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil and water			
	PCB*, PCP*, PNA, CREOSOTE by 8270 for soil and 524/625 (8270) for water			
	* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)			

**NOTES:**

1. 8021 replaces old methods 8020 and 8010
2. 8260 replaces old method 8240
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

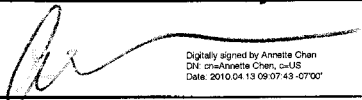
I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Golden Gate Tank Removal, Inc.


Name of Individual Annette Chen - Project Coordinator

Signature  Digitally signed by Annette Chen  
DN: cn=Annette Chen, ca=US  
Date: 2010.04.13 09:07:43 -0700 Annette Chen Date 4/13/10

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business \_\_\_\_\_

Name of Individual Leslie Mulholland

Signature  Date 4/13/10



**UNIFIED PROGRAM CONSOLIDATED FORM**  
**UNDERGROUND STORAGE TANK**  
**OPERATING PERMIT APPLICATION – FACILITY INFORMATION**  
(One form per facility)

TYPE OF ACTION  1. NEW PERMIT  5. CHANGE OF INFORMATION  7. PERMANENT FACILITY CLOSURE 400.  
(Check one item only)  3. RENEWAL PERMIT  6. TEMPORARY FACILITY CLOSURE  9. TRANSFER PERMIT

**I. FACILITY INFORMATION**

TOTAL NUMBER OF USTs AT FACILITY 404. FACILITY ID # 1.  
**1 (One)** *(Agency Use Only)*

BUSINESS NAME *(Same as Facility Name or DBA – Doing Business As)* 3.  
**Residential**

BUSINESS SITE ADDRESS 103. CITY 104.  
**132 Guilford Rd.** **Piedmont**

FACILITY TYPE  1. MOTOR VEHICLE FUELING  2. FUEL DISTRIBUTION 403. Is the facility located on Indian Reservation or 405.  
 3. FARM  4. PROCESSOR  6. OTHER Trust lands?  1. Yes  2. No

**II. PROPERTY OWNER INFORMATION**

PROPERTY OWNER NAME 407. PHONE 408.  
**Leslie Mulholland** **( 510 ) 653-3460**

MAILING ADDRESS 409.  
**132 Guilford Rd.**

CITY 410. STATE 411. ZIP CODE 412.  
**Piedmont** **CA** **94611**

**III. TANK OPERATOR INFORMATION**

TANK OPERATOR NAME 428-1. PHONE 428-2.  
**Same as #2** **( )**

MAILING ADDRESS 428-3.

CITY 428-4. STATE 428-5. ZIP CODE 428-6.

**IV. TANK OWNER INFORMATION**

TANK OWNER NAME 414. PHONE 415.  
**Same as #2** **( )**

MAILING ADDRESS 416.

CITY 417. STATE 418. ZIP CODE 419.

OWNER TYPE:  4. LOCAL AGENCY/DISTRICT  5. COUNTY AGENCY  6. STATE AGENCY 420.  
 7. FEDERAL AGENCY  8. NON-GOVERNMENT

**V. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER**

TY (TK) HQ 44- 421. Call the State Board of Equalization, Fuel Tax Division, if there are questions.

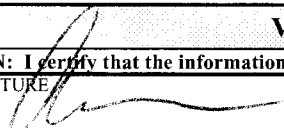
**VI. PERMIT HOLDER INFORMATION**

Issue permit and send legal notifications and mailings to:  1. FACILITY OWNER  4. TANK OPERATOR 423.  
 3. TANK OWNER  5. FACILITY OPERATOR

SUPERVISOR OF DIVISION, SECTION, OR OFFICE *(Required for Public Agencies Only)* 406.

**VII. APPLICANT SIGNATURE**

**CERTIFICATION: I certify that the information provided herein is true, accurate, and in full compliance with legal requirements.**

APPLICANT SIGNATURE 424. DATE 424. PHONE 425.  
 **4/14/10** **( 415 ) 512-1555**

APPLICANT NAME *(print)* 426. APPLICANT TITLE 427.  
**Annette Chen - On Behalf of Owner** **Project Coordinator**

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For a UST closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430.  
 1. NEW PERMIT       3. RENEWAL PERMIT       5. CHANGE OF INFORMATION  
 6. TEMPORARY UST CLOSURE       7. UST PERMANENT CLOSURE ON SITE       8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a. \_\_\_\_\_ DATE EXISTING UST DISCOVERED: 2/18/10 430b.

**I. FACILITY INFORMATION**

FACILITY ID # (Agency Use Only) \_\_\_\_\_ 1.  
 BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) Residential 3.  
 BUSINESS SITE ADDRESS 103. 132 Guilford Rd. CITY Piedmont 104.

**II. TANK DESCRIPTION**

TANK ID # Unknown 432. TANK MANUFACTURER Unknown 433. TANK CONFIGURATION: THIS TANK IS 434.  
 1. A STAND-ALONE TANK      Complete one page for each  
 2. ONE IN A COMPARTMENTED UNIT      compartment in the unit.  
 DATE UST SYSTEM INSTALLED Unknown 435. TANK CAPACITY IN GALLONS 1500 gallons 436. NUMBER OF COMPARTMENTS IN THE UNIT One 437.

**III. TANK USE AND CONTENTS**

TANK USE  1a. MOTOR VEHICLE FUELING       1b. MARINA FUELING       1c. AVIATION FUELING 439.  
 3. CHEMICAL PRODUCT STORAGE       4. HAZARDOUS WASTE (includes Used Oil)       5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)] 439a.  
 6. OTHER GENERATOR FUEL       95. UNKNOWN       99. OTHER (Specify): Heating Oil  
 CONTENTS PETROLEUM:  1a. REGULAR UNLEADED       1c. MIDGRADE UNLEADED       1b. PREMIUM UNLEADED 440.  
 3. DIESEL       5. JET FUEL       6. AVIATION GAS  
 8. PETROLEUM BLEND FUEL       9. OTHER PETROLEUM (Specify): Heating Oil 440a.  
 NON-PETROLEUM:  7. USED OIL       10. ETHANOL      \_\_\_\_\_ 440b.  
 11. OTHER NON-PETROLEUM (Specify): \_\_\_\_\_

**IV. TANK CONSTRUCTION**

TYPE OF TANK  1. SINGLE WALL       2. DOUBLE WALL       95. UNKNOWN 443.  
 PRIMARY CONTAINMENT  1. STEEL       3. FIBERGLASS       6. INTERNAL BLADDER 444.  
 7. STEEL + INTERNAL LINING       95. UNKNOWN       99. OTHER (Specify): \_\_\_\_\_ 444a.  
 SECONDARY CONTAINMENT  1. STEEL       3. FIBERGLASS       6. EXTERIOR MEMBRANE LINER       7. JACKETED 445.  
 90. NONE       95. UNKNOWN       99. OTHER (Specify): \_\_\_\_\_ 445a.  
 OVERFILL PREVENTION  1. AUDIBLE & VISUAL ALARMS       2. BALL FLOAT       3. FILL TUBE SHUT-OFF VALVE 452.  
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

**V. PRODUCT / WASTE PIPING CONSTRUCTION**

PIPING CONSTRUCTION  1. SINGLE WALL       2. DOUBLE WALL       99. OTHER 460.  
 SYSTEM TYPE  1. PRESSURE       2. GRAVITY       3. CONVENTIONAL SUCTION       4. SAFE SUCTION [23 CCR §2636(a)(3)] 458.  
 PRIMARY CONTAINMENT  1. STEEL       4. FIBERGLASS       8. FLEXIBLE       10. RIGID PLASTIC 464.  
 90. NONE       95. UNKNOWN       99. OTHER (Specify): \_\_\_\_\_ 464a.  
 SECONDARY CONTAINMENT  1. STEEL       4. FIBERGLASS       8. FLEXIBLE       10. RIGID PLASTIC 464b.  
 90. NONE       95. UNKNOWN       99. OTHER (Specify): \_\_\_\_\_ 464c.  
 PIPING/TURBINE CONTAINMENT SUMP TYPE  1. SINGLE WALL       2. DOUBLE WALL       90. NONE 464d.

**VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION**

VENT PRIMARY CONTAINMENT  1. STEEL       4. FIBERGLASS       10. RIGID PLASTIC       90. NONE       99. OTHER (Specify): \_\_\_\_\_ 464e.  
 VENT SECONDARY CONTAINMENT  1. STEEL       4. FIBERGLASS       10. RIGID PLASTIC       90. NONE       99. OTHER (Specify): \_\_\_\_\_ 464f.  
 VR PRIMARY CONTAINMENT  1. STEEL       4. FIBERGLASS       10. RIGID PLASTIC       90. NONE       99. OTHER (Specify): \_\_\_\_\_ 464g.  
 VR SECONDARY CONTAINMENT  1. STEEL       4. FIBERGLASS       10. RIGID PLASTIC       90. NONE       99. OTHER (Specify): \_\_\_\_\_ 464h.  
 VENT PIPING TRANSITION SUMP TYPE  1. SINGLE WALL       2. DOUBLE WALL       90. NONE 464i.  
 RISER PRIMARY CONTAINMENT  1. STEEL       4. FIBERGLASS       10. RIGID PLASTIC       90. NONE       99. OTHER (Specify): \_\_\_\_\_ 464j.  
 RISER SECONDARY CONTAINMENT  1. STEEL       4. FIBERGLASS       10. RIGID PLASTIC       90. NONE       99. OTHER (Specify): \_\_\_\_\_ 464k.  
 FILL COMPONENTS INSTALLED  1. SPILL BUCKET       3. STRIKER PLATE/BOTTOM PROTECTOR       4. CONTAINMENT SUMP 451a-c.

**VII. UNDER DISPENSER CONTAINMENT (UDC)**

CONSTRUCTION TYPE  1. SINGLE WALL       2. DOUBLE WALL       3. NO DISPENSERS       90. NONE 469a.  
 CONSTRUCTION MATERIAL  1. STEEL       4. FIBERGLASS       10. RIGID PLASTIC       99. OTHER (Specify) 469b.  
 \_\_\_\_\_ 469c.

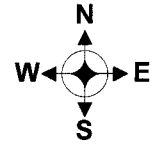
**VIII. CORROSION PROTECTION**

STEEL COMPONENT PROTECTION  2. SACRIFICIAL ANODE(S)       4. IMPRESSED CURRENT       6. ISOLATION 448.

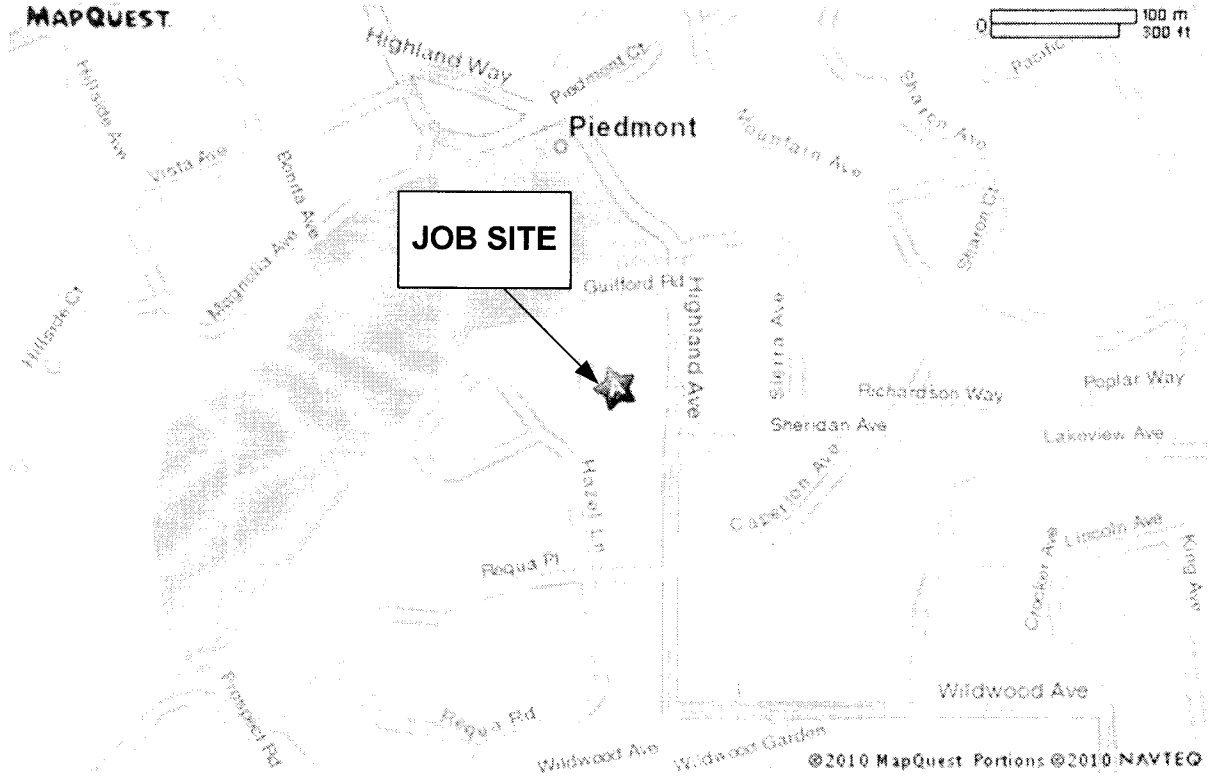
**IX. APPLICANT SIGNATURE**

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE \_\_\_\_\_ DATE 4/14/10 470.  
 APPLICANT NAME (print) Annette Chen - On Behalf of Owner 471. APPLICANT TITLE Project Coordinator 472.



MAPQUEST.



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**GOLDEN GATE TANK REMOVAL, INC.**  
3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 512-1555 Fx (415) 512-0964

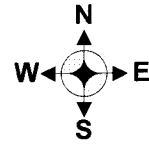
**VICINITY MAP**  
132 Guilford Road  
Piedmont, CA 94611

GGTR Project No.9139

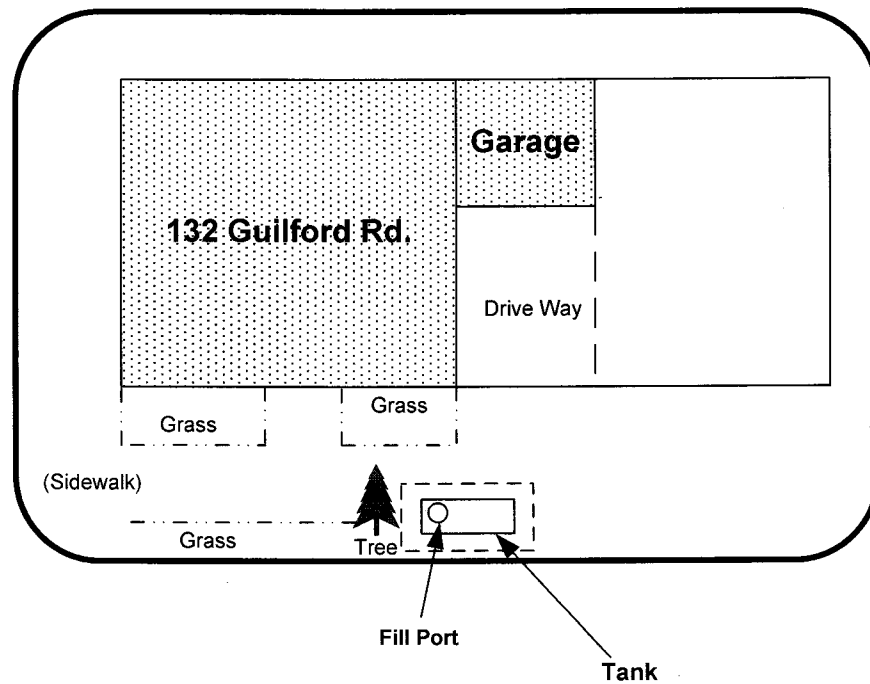
Drawing By: AC

April 2010

Figure 1



Guilford Rd.



Highland Ave.

Guilford Rd.

**GOLDEN GATE TANK REMOVAL, INC.**  
3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 512-1555 Fx (415) 512-0964

**Site Drawing**  
132 Guilford Road  
Piedmont, CA 94611

GGTR Project No. 9139

Drawing By: AC

April 2010

Figure 2



## TANK CLOSURE REPORT

132 Guilford Road  
Piedmont, CA 94611  
Job No. 9139  
May 18, 2010

Prepared For:

Leslie Mulholland  
132 Guilford Road  
Piedmont, CA 94611



*Tim Hallen*

Tim Hallen  
Registered Environmental Assessor 08006



June 4, 2010

Mr. Robert Weston  
Alameda county Health Agency  
1131 Harbor Bay Parkway  
Alameda, CA 94502

Alameda County

JUN 4 2010

Job # 9139

**SUBJECT: CLOSURE REPORT FOR  
UNDERGROUND STORAGE TANK**

**SITE: 132 GUILFORD ROAD  
PIEDMONT, CA 94611**

Dear Mr. Weston:

Golden Gate Tank Removal, Inc. is pleased to submit the attached report documenting the removal of underground storage tank (UST) from 132 Guilford Road.

Please include us in the distribution of the notice of completion. Thank you for the opportunity to provide you with our services. If you have any questions, please call Tim Hallen or Joshua Alexander at (415) 512-1555.

Sincerely,  
**Golden Gate Tank Removal, Inc.**

Tim Hallen  
General Manager

cc: Leslie Mulholland, 132 Guilford Road, Piedmont, CA 94611

## 1. SITE LOCATION

The subject property is a residential located at 132 Guilford Road at the cross street of Highland Avenue in Piedmont, California. Figure 1 attached shows the general site location.

## 2. SITE HISTORY

One underground storage tank (UST) formerly used to contain diesel was located beneath the grade within the property line. The tank had a capacity of approximately 200 gallons, measuring approximately 4 feet in length by 3 feet in diameter, and was constructed of single wall bare steel. The fill port was located on the west end of the tank. The age of the tank is unknown. The owner had no knowledge of the tank nor is there any indication of previous site investigation activities. Figure 2 depicts the approximate location of the tank as well as nearby streets.

## 3. TANK REMOVAL

In April 2010, Golden Gate Tank Removal, Inc. (GGTR) applied for and obtained permits from the Alameda County Environmental Health Services (ACEHS) and notified the City of Piedmont Fire Department (CPFD) prior to the UST removal operations. Copies of the permit documents are included as an attachment.

On April 28, 2010, GGTR mobilized its equipment and began work on the project. The overburden soil covering the tank was removed and placed on visqueen in a covered stockpile adjacent to the tank excavation. Field measurements indicate the bottom of the tank was 5 feet below the grade (fbg). The subsurface product piping extending between the top of the tank and the foundation of the exterior building structure was cut at each end, drained of any residual product and removed from the excavation area. Exposed vent lines and fill pipes were removed; product lines were plugged and cut.

As part of the removal operations, GGTR contracted Uniwaste Environmental to pump the residual product from the tank into a tanker truck. GGTR then pressure-washed the interior of the tank with a 180-degree water using 3000-psi pressure. A non-toxic enzyme detergent was used to break down thick oil deposits. After a third washing, Uniwaste Environmental removed the wash and rinse water from the tank and transported the Non-RCRA hazardous waste liquid (325 gallons) under Uniform Hazardous Waste Manifest No.004451150JJK and a drum of liquid from pit bottom under Uniform Hazardous Waste Manifest No. 004451212JJK to the Clearwater Environmental facility in Silver Springs, Nevada. Copies of the liquid waste manifests are included as an attachment.

Prior to waste liquid disposal, GGTR collected a sample of the rinsate water and submitted it to Accutest Laboratories (State Certification#08258) under a formal Chain-of-Custody protocol. The rinsate sample was analyzed for Total Petroleum Hydrocarbons Extractable as Diesel (TPH-D) by Method SW846 8015B M SW846 3510C. The analytical results of the rinsate sample were acceptable by the ACEHS for the disposal of the UST as non-hazardous scrap metal. The attached Table "Sampling Results Form" presents a summary of the analytical results. A copy of the laboratory certificate of analysis and chain of custody form is included as an attachment.

On April 21, 2010, upon the approval of Mr. Robert Weston of the ACEHS and Fire Truck of the CFPD, GGTR removed the tank from the excavation. After a visual inspection, the tank was loaded onto a flatbed truck and transported as scrap metal to Circosta Iron & Metal, Inc. in San Francisco, California. Copies of the Certificate of Disposal and Circosta Scrap Metal Recycling Receipt are attached.

#### 4. TANK AND SOIL CONDITION

The tank was found to be in poor condition with at least one visible hole. Soil discoloration was observed in the tank overburden soil or in the soil underlying the tank. Hydrocarbon odors were noted in the overburden soil or in the soil underlying the tank. The overburden soil and the soil underlying the tank was predominantly rock/silt. Groundwater was not observed in the excavation during tank removal activities. Because of holes in the tank, an Underground Storage Tank Unauthorized Release (Leak) / Contamination Site Report was required for submission by the ACEHS. A copy of this report is included as an attachment.

#### 5. TANK REMOVAL SAMPLING

Immediately following tank removal activities, under the direction of Mr. Robert Weston, GGTR collected one four-point composite soil sample from the soil stockpile containing the overburden soil. The composite stockpile sample was labeled 9139-SP(A-D). Due to the presence of bedrock, soil sample 9139-C-9 was collected 4' below center tank bottom at approximately 9 fbg, following over excavation. GGTR also collected a sample of the perched pit bottom water – collected from a 55 gallons storage drum. Sample ID 9139-PW was collected from a 55 gallons storage drum. All samples were transported to Accutest Laboratories (State Certification#08258) under formal chain-of-custody protocol for the required analyses. Figure 2 depicts the approximate soil and groundwater samples locations.

#### 6. TANK SAMPLE LABORATORY ANALYSIS

The soil and perched pit bottom water samples were analyzed for Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), Methyl-Tertiary-Butyl Ether (MTBE), Di-Isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), Tert-Amyl Methyl Ether (TAME), Tert Butyl Alcohol (TBA), 1,2-Dichloroethane (EDC), 1,2-Dibromoethane (EDB), and Di-isopropyl ether (DIPE) by Method SW846 8260B. The soil sample was also analyzed for Total Petroleum Hydrocarbons Extractable as Diesel (TPH-D) by Method SW846 8015B M SW846 3545A, and the perched pit bottom water for Total Petroleum Hydrocarbons Extractable as Diesel (TPH-D) by Method SW846 8015B M SW846 3510C. A high concentration of TPH-D was reported in the stockpiled overburden. A concentration of 217 mg/kg TPH-D was reported in the pit bottom sample. Low concentrations of 11 mg/kg TPH-D, 1.5 ug/l Toluene, and 4.7 ug/l Total Xylenes were reported in the sample collected of the perched pit bottom water. All other constituents of concern, including BTEX and MTBE, were reported as Non Detect. A summary of the analytical result is included in the Table "Sampling Results Form" and a copy of the laboratory certificate of analysis and chain of custody form is included as an attachment.



## 7. WASTE MANAGEMENT & SOIL DISPOSAL

Because of high concentration of volatile organics in the soil sample, GGTR in contract with Clearwater Environmental Management, Inc., profiled the soil waste for disposal acceptance at the Newby Island Sanitary Landfill Facility located in Milpitas, California. A summary of the profiling analytical results is included in the Table "Sampling Results Form" and a copy of the laboratory certificate of analysis and chain of custody form is included as an attachment.

On May 11, 2010, Clearwater Environmental Management, Inc. transported the Non Hazardous Solid Waste (11.76 tons) under Non-Hazardous Waste Manifest No. 22782 (Weight Tag No. 512741990, Ticket # 026827) to Newby Island Sanitary Landfill Facility in Milpitas, California. Copies of the solid waste manifest and associated weight tag are included as an attachment.

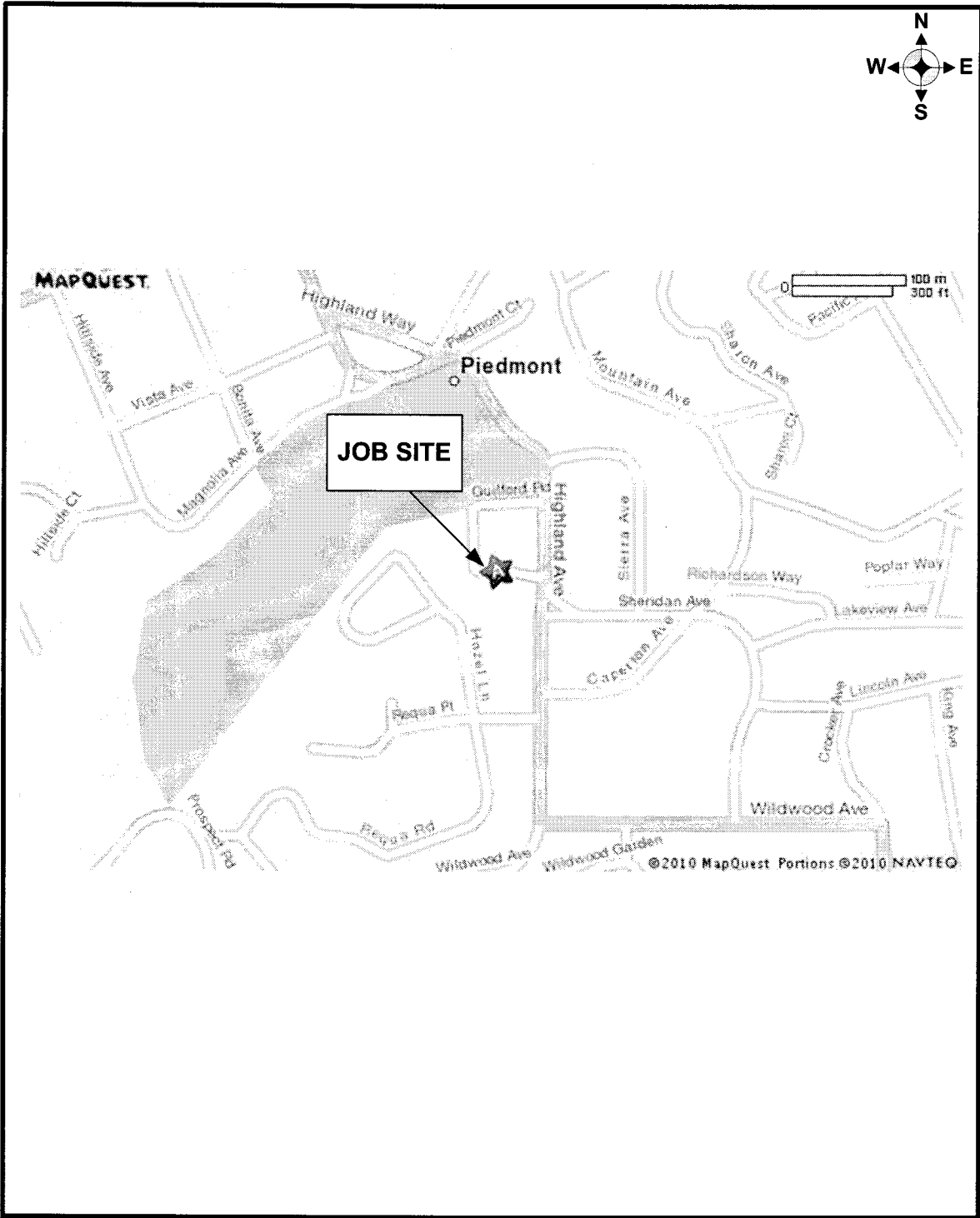
## 8. SITE RESTORATION

By April 26, 2010, GGTR backfilled the excavation with the clean imported soil. The excavation backfill soil was subsequently compacted in conformance with the ACEHS requirements.

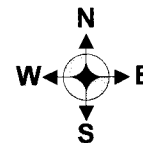
## 9. FINDINGS / RECOMMENDATION

There were visible holes in the tank. There was no visual evidence of contamination in the overburden soil. Groundwater was encountered during the tank removal or sampling activities. Low concentrations of TPH D, BTEX were reported in the groundwater sample. No fuel oxygenates were reported in any of the samples. The analytical results from the State Certified Laboratory following the tank removal and remedial activities were non-detect to insignificant and acceptable by the ACEHS; therefore, GGTR recommends no further action at the site.

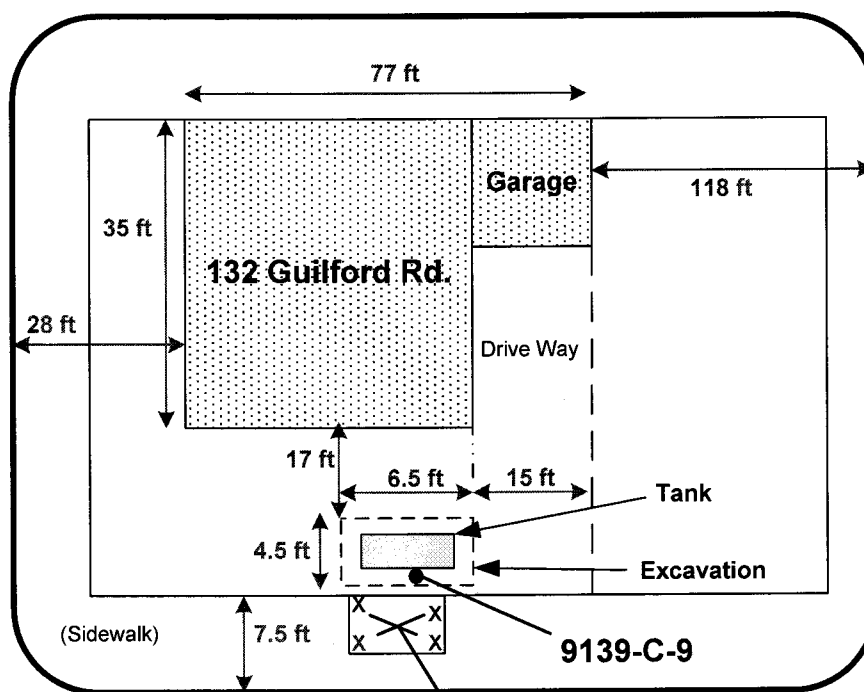
# FIGURES



<b>GOLDEN GATE TANK REMOVAL, INC.</b> 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964		<b>VICINITY MAP</b> 132 Guilford Road Piedmont, CA 94611	
GGTR Project No.9139	Drawing By: AC	April 2010	Figure 1



Guilford Rd.



Highland Ave.

Guilford Rd.

9139-SP(A-D)

**GOLDEN GATE TANK REMOVAL, INC.**  
3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 512-1555 Fx (415) 512-0964

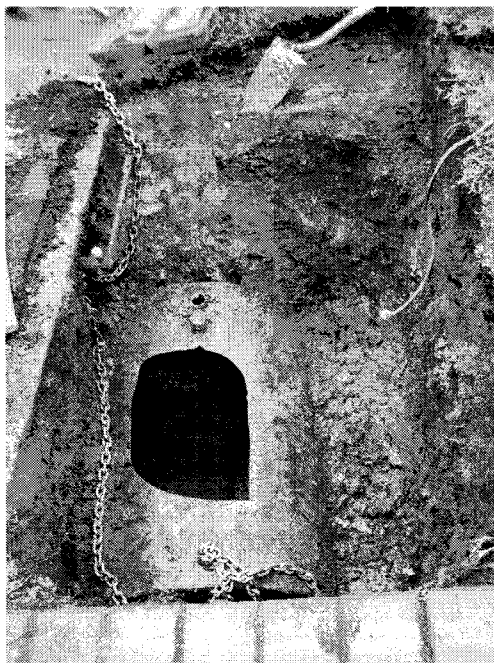
**Site Drawing**  
132 Guilford Road  
Piedmont, CA 94611

GGTR Project No. 9139

Drawing By: AC

May 2010

Figure 2



**TANK REMOVAL IN PROCESS**



**TANK READY TO BE TRANSPORTED FOR DISPOSAL**

**GOLDEN GATE TANK REMOVAL, INC.**  
3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 512-1555 Fx (415) 512-0964

**UST REMOVAL**  
132 Guilford Road  
Piedmont, CA 94611

GGTR Project No. 9139

Drawing By: AC

May 2010

Figure 3

## SAMPLING RESULTS FORM

Underground Storage Tank Site Address:

132 Guilford Road, Piedmont, CA 94611

Business Site Name:

Residential

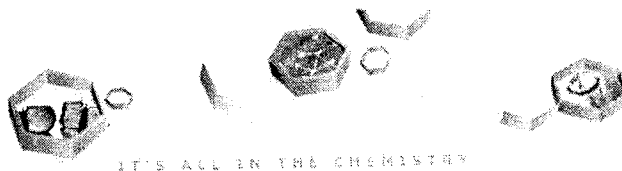
Description Sample ID <small>(Specify location: i.e., tank, pipe, stockpile) and number</small>	Sample Depth (Indicate depth of sample from grade)	Media (soil/water)	Date (Date Sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	Results expressed in parts per million (ppm)												
					TPH-D	B	T	E	X	1,2-EDB	1,2-EDC	DIPE	ETBE	MTBE	TAME	TBA	LEAD
9139-SP(A-D)Comp (Stockpile)	Not Applicable	soil	4/21/2010	rock/silt	5080	ND<0.500	ND<0.500	ND<0.500	ND<1	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<4	45.4
9139-C-9 (Excavation)	9 feet	soil	4/21/2010	rock/silt	217	ND<0.240	ND<0.240	ND<0.240	ND<0.480	ND<0.240	ND<0.240	ND<0.240	ND<0.240	ND<0.240	ND<0.240	ND<1.9	NA
9139-PW (Drum Water Sample from Pit Bottom)	Not Applicable	water	4/21/2010	NA	11	ND<0.002	0.0015	ND<0.002	0.0047	ND<0.002	ND<0.002	ND<0.010	ND<0.010	ND<0.002	ND<0.010	ND<0.020	NA
9139-R3 (Rinsate Sample)	Not Applicable	water	4/19/2010	NA	0.445	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TPH-D = Total Petroleum Hydrocarbons Diesel  
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene  
 NA = Not Analyzed  
 ND = Non-Detectable Results  
 1,2-EDB = 1,2 Dibromoethane  
 1,2-EDC = 1,2 Dichloroethane  
 DIPE = Di-Isopropyl ether  
 ETBE = Ethyl tert-Butyl Ether  
 MTBE = Methyl Tert Butyl Ether  
 TAME = Tert-Amyl Methyl Ether  
 TBA = Tert Butyl Alcohol

List of additional analytical results and detection limits on attached certified lab report

## **ATTACHMENTS**

**ANALYTICAL REPORT  
CERTIFICATE OF TANK DISPOSAL  
SCRAP METAL RECYCLING RECEIPT  
LIQUID & SOLID MANIFESTS  
WEIGHT TAG  
UST UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION REPORT  
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION  
PERMIT**



04/28/10

## Technical Report for

---

### Golden Gate Tank Removal

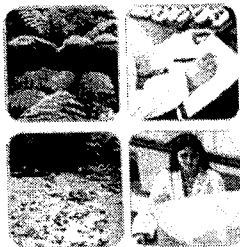
132 Guilford Road - Piedmont, CA

9139

Accutest Job Number: C10723

Sampling Dates: 04/19/10 - 04/21/10

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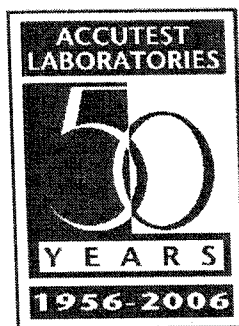


#### Report to:

Golden Gate Tank Removal  
3730 Mission Street  
San Francisco, CA 94110  
Data@ggtr.com; j.alexander@ggtr.com

ATTN: Josh Alexander

Total number of pages in report: 37



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*Laurie Glantz-Murphy*  
Laurie Glantz-Murphy  
Laboratory Director

Client Service contact: Diane Theesen 408-588-0200

Certifications: CA (08258CA)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.





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### Sample Summary

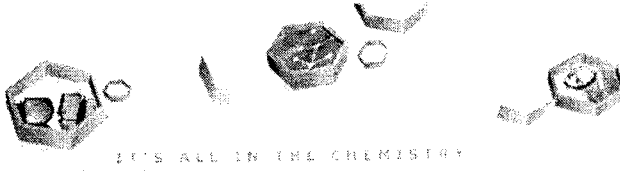
Golden Gate Tank Removal

Job No: C10723

132 Guilford Road - Piedmont, CA  
 Project No: 9139

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
C10723-1	04/19/10	12:30 JA	04/22/10	AQ	Ground Water	9139-R3
C10723-2	04/21/10	00:00 JA	04/22/10	SO	Soil	9139-SP(A)
C10723-3	04/21/10	00:00 JA	04/22/10	SO	Soil	9139-SP(B)
C10723-4	04/21/10	00:00 JA	04/22/10	SO	Soil	9139-SP(C)
C10723-5	04/21/10	00:00 JA	04/22/10	SO	Soil	9139-SP(D)
C10723-6	04/21/10	00:00 JA	04/22/10	SO	Soil	9139-SP(A-D)COMP
C10723-7	04/21/10	00:00 JA	04/22/10	SO	Soil	9139-C-9
C10723-8	04/21/10	00:00 JA	04/22/10	AQ	Ground Water	9139-PW

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



IT'S ALL IN THE CHEMISTRY



**Sample Results**

---

**Report of Analysis**

---

### Report of Analysis

2.1  
2

Client Sample ID: 9139-R3	Date Sampled: 04/19/10
Lab Sample ID: C10723-1	Date Received: 04/22/10
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015B M SW846 3510C	
Project: 132 Guilford Road - Piedmont, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH6378.D	1	04/26/10	JH	04/26/10	OP2055	GHH280
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	0.445	0.094	0.047	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
630-01-3	Hexacosane	63%		45-140%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	9139-SP(A-D)COMP	Date Sampled:	04/21/10
Lab Sample ID:	C10723-6	Date Received:	04/22/10
Matrix:	SO - Soil	Percent Solids:	n/a <sup>a</sup>
Method:	SW846 8260B		
Project:	132 Guilford Road - Piedmont, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>b</sup>	M14193.D	1	04/23/10	XB	n/a	n/a	VM463
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	50.0 ul
Run #2			

## BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	500	150	ug/kg	
108-88-3	Toluene	ND	500	150	ug/kg	
100-41-4	Ethylbenzene	ND	500	150	ug/kg	
1330-20-7	Xylene (total)	ND	1000	400	ug/kg	
106-93-4	1,2-Dibromoethane	ND	500	100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	500	150	ug/kg	
108-20-3	Di-Isopropyl ether	ND	500	150	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	500	150	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	500	100	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	500	120	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	4000	1000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		60-130%
2037-26-5	Toluene-D8	102%		60-130%
460-00-4	4-Bromofluorobenzene	102%		60-130%

(a) All results reported on wet weight basis.

(b) Dilution required due to high concentration of heavy hydrocarbons; 4:1 composite.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

Client Sample ID:	9139-SP(A-D)COMP		Date Sampled:	04/21/10
Lab Sample ID:	C10723-6		Date Received:	04/22/10
Matrix:	SO - Soil		Percent Solids:	n/a <sup>a</sup>
Method:	SW846 8015B M SW846 3545A			
Project:	132 Guilford Road - Piedmont, CA			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG13435.D	40	04/27/10	JH	04/23/10	OP2050	GGG423
Run #2							

	Initial Weight	Final Volume
Run #1	10.2 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	5080	390	200	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	84%		45-140%

(a) All results reported on wet weight basis.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: 9139-SP(A-D)COMP	Date Sampled: 04/21/10
Lab Sample ID: C10723-6	Date Received: 04/22/10
Matrix: SO - Soil	Percent Solids: n/a <sup>a</sup>
Project: 132 Guilford Road - Piedmont, CA	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	45.4	0.94	mg/kg	1	04/23/10	04/26/10 CT	SW846 6010B <sup>1</sup>	SW846 3050B <sup>2</sup>

(1) Instrument QC Batch: MA1183

(2) Prep QC Batch: MP2310

(a) All results reported on wet weight basis.

---

RL = Reporting Limit

## Report of Analysis

Client Sample ID: 9139-C-9	Date Sampled: 04/21/10
Lab Sample ID: C10723-7	Date Received: 04/22/10
Matrix: SO - Soil	Percent Solids: n/a <sup>a</sup>
Method: SW846 8260B	
Project: 132 Guilford Road - Piedmont, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>b</sup>	M14192.D	1	04/23/10	XB	n/a	n/a	VM463
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.18 g	5.0 ml	100 ul
Run #2			

## BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	240	72	ug/kg	
108-88-3	Toluene	ND	240	72	ug/kg	
100-41-4	Ethylbenzene	ND	240	72	ug/kg	
1330-20-7	Xylene (total)	ND	480	190	ug/kg	
106-93-4	1,2-Dibromoethane	ND	240	48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	240	72	ug/kg	
108-20-3	Di-Isopropyl ether	ND	240	72	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	240	72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	240	48	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	240	58	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	1900	480	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		60-130%
2037-26-5	Toluene-D8	100%		60-130%
460-00-4	4-Bromofluorobenzene	100%		60-130%

(a) All results reported on wet weight basis.

(b) Dilution required due to high concentration of heavy hydrocarbons.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID: 9139-C-9	Date Sampled: 04/21/10
Lab Sample ID: C10723-7	Date Received: 04/22/10
Matrix: SO - Soil	Percent Solids: n/a <sup>a</sup>
Method: SW846 8015B M SW846 3545A	
Project: 132 Guilford Road - Piedmont, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG13412.D	2	04/26/10	JH	04/23/10	OP2050	GGG422
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	217	20	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		45-140%

(a) All results reported on wet weight basis.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

2.4  
2

Client Sample ID: 9139-PW	Date Sampled: 04/21/10
Lab Sample ID: C10723-8	Date Received: 04/22/10
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: 132 Guilford Road - Piedmont, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	N14718.D	2	04/27/10	TF	n/a	n/a	VN500
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.60	ug/l	
108-88-3	Toluene	1.5	2.0	1.0	ug/l	J
100-41-4	Ethylbenzene	ND	2.0	0.60	ug/l	
1330-20-7	Xylene (total)	4.7	4.0	1.4	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.40	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	10	1.0	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	10	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	10	1.0	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		60-130%
2037-26-5	Toluene-D8	101%		60-130%
460-00-4	4-Bromofluorobenzene	102%		60-130%

(a) Sample was not preserved to a pH < 2. Dilution required due to high concentration of non-target hydrocarbons.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

2.4  
2

Client Sample ID: 9139-PW	Date Sampled: 04/21/10
Lab Sample ID: C10723-8	Date Received: 04/22/10
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015B M SW846 3510C	
Project: 132 Guilford Road - Piedmont, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG13413.D	10	04/26/10	JH	04/26/10	OP2055	GGG422
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

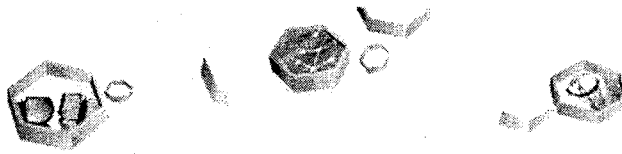
TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	11.0	0.94	0.47	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	72%		45-140%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



IT'S ALL IN THE CHEMISTRY



### Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

**CHAIN OF CUSTODY**

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # \_\_\_\_\_ Bottle Order Control # \_\_\_\_\_  
Accutest Quote # \_\_\_\_\_ Accutest NC Job #: **C10723**

Client / Reporting Information		Project Information		Requested Analysis										Matrix Codes								
Company Name: Golden Gate Tank Remediation		Project Name:		<input type="checkbox"/> 8260 Fuel List <input type="checkbox"/> 824 TPH as Gasoline <input type="checkbox"/> 8260 Petro (includes BTEX/MBE/TBA/EBE/ DIPE/TAME/1,2-DCA/TEOS) <input type="checkbox"/> 8270 PAHs only <input type="checkbox"/> 825 <input type="checkbox"/> 81TCs <input type="checkbox"/> 81 <input checked="" type="checkbox"/> 8260 Extra (includes) <input type="checkbox"/> Motor Oil - Other With Silica Gel Cleanup <input type="checkbox"/> 8260 (includes) <input type="checkbox"/> 8270 (includes) <input type="checkbox"/> 825 (includes) <input type="checkbox"/> 81TCs (includes) <input type="checkbox"/> 81 <input type="checkbox"/> METALS: CAM-170 LUNET-50 RCRA-87 PPM-130 <input type="checkbox"/> Pesticides-0081 <input type="checkbox"/> PCBs-0082 <input type="checkbox"/> 608 <input type="checkbox"/> BTEX-MBE-TPH as Gasoline by GC/MS-210										WW-Wastewater GW-Ground Water SW-Surface Water SO-Soil OI-Oil WP-Wipe LIQ - Non-aqueous Liquid AIR DW-Drinking Water (Perchlorate Only)								
Address: 3730 Mission Street San Francisco CA 94110		Street: 132 Guilford Rd. Piedmont CA																				
Project Contact: Joshua Alexander		Project #: 9139																				
Phone # 415-512-1555		EMAIL: j.alexander@ggtr.com																				
Sampler's Name: Joshua Alexander		Client Purchase Order #																				
Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection					Number of preserved Bottles		ENCL	8260 Fuel List	8260 Petro	8270 PAHs only	825	81TCs	81	METALS	Pesticides	PCBs	608	BTEX-MBE-TPH	GC/MS-210	LAB USE ONLY
		Date	Time	Sampled by	Matrix	# of bottles	Q	W														
-1	9139-R3	11/19/10	12:10PM	RUBEN	W	1																1 Lit Amber NIP
(-2-3-4-5)	9139-SP(A-12)	11/19/10		Joshi	S	4			X	X	X											Composite - 6 (4:1 Comp)
-7	9139-C-9	11/21/10			S	1			X	X												
-8	9139-PW	11/21/10		W	W	4/3			X	X												1 Lit Amber NIP 2 Vials (Vial)
Turnaround Time (Business days)				Date Deliverable Information												Comments / Remarks						
<input type="checkbox"/> Standard TAT 15 Business Days <input type="checkbox"/> 10 Day (Workload dependent) <input type="checkbox"/> 5 Day (Workload dependent) <input type="checkbox"/> 3 Day (125% markup) <input type="checkbox"/> 2 Day (150% markup) <input type="checkbox"/> 1 Day (200% markup) <input type="checkbox"/> Same Day (300% markup)				Approved By: Date: 4-DAY				<input type="checkbox"/> Commercial "A" - Results only <input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries <input type="checkbox"/> Commercial "B+" - Results, GC, and chromatograms <input type="checkbox"/> FULLT1 - Level 4 data package <input type="checkbox"/> EDI for Geotracker <input type="checkbox"/> EDD Format Provide EDI Global ID: _____ Provide EDI Logcode: 412/10/0940								1 Lit Amber each NIP (x2) 3 vials (100µL) (x1) 4 (2 1/4 x 3") Brass Tubes.						
Emergency T/A data available VIA Lablink																						
Sample Custody must be documented below each time sample is changed possession, including courier delivery.																						
Relinquished by Sampler:	Date/Time:	Received By:	Date/Time:	Relinquished by:	Date/Time:	Received By:	Date/Time:	Relinquished by:	Date/Time:	Received By:	Date/Time:	Relinquished by:	Date/Time:	Received By:	Date/Time:	Relinquished by:	Date/Time:	Received By:	Date/Time:	Relinquished by:	Date/Time:	
1	3:30 PM						4/20/10 13:15															
3																						
5																						
				Custody Seal #				Appropriate Bottle / Pres. Y/N		Holdspace Y/N		On Ice Y/N		Cooler Temp.								
								Labels match Coc? Y/N		Separate Receipt Log Y/N		2.6-07 = 24°C										







IT'S ALL IN THE CHEMISTRY

## GC/MS Volatiles

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## QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

Job Number: C10723  
Account: GGTRCASF Golden Gate Tank Removal  
Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM463-MB	M14180.D	1	04/23/10	XB	n/a	n/a	VM463

4.1.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-6, C10723-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	1.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	1.2	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
108-88-3	Toluene	ND	5.0	1.5	ug/kg	
1330-20-7	Xylene (total)	ND	10	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	95% 60-130%
2037-26-5	Toluene-D8	102% 60-130%
460-00-4	4-Bromofluorobenzene	94% 60-130%



# Method Blank Summary

Job Number: C10723  
Account: GGTRCASF Golden Gate Tank Removal  
Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN500-MB	N14699.D	1	04/27/10	TF	n/a	n/a	VN500

4.1.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	105% 60-130%
2037-26-5	Toluene-D8	102% 60-130%
460-00-4	4-Bromofluorobenzene	97% 60-130%

# Blank Spike Summary

Job Number: C10723  
 Account: GGTRCASF Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM463-BS	M14178.D	1	04/23/10	XB	n/a	n/a	VM463

4.2.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-6, C10723-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	40	38.3	96	60-130
106-93-4	1,2-Dibromoethane	40	38.1	95	60-130
107-06-2	1,2-Dichloroethane	40	35.9	90	60-130
108-20-3	Di-Isopropyl ether	40	35.5	89	60-130
100-41-4	Ethylbenzene	40	39.1	98	60-130
637-92-3	Ethyl tert-Butyl Ether	40	35.0	88	60-130
1634-04-4	Methyl Tert Butyl Ether	40	34.4	86	60-130
994-05-8	Tert-Amyl Methyl Ether	40	34.6	87	60-130
75-65-0	Tert Butyl Alcohol	200	181	91	60-130
108-88-3	Toluene	40	39.6	99	60-130
1330-20-7	Xylene (total)	120	119	99	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	60-130%
2037-26-5	Toluene-D8	100%	60-130%
460-00-4	4-Bromofluorobenzene	95%	60-130%

# Blank Spike Summary

Job Number: C10723  
Account: GGTRCASF Golden Gate Tank Removal  
Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM463-BS	M14179.D	1	04/23/10	XB	n/a	n/a	VM463

4.2.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-6, C10723-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	60-130%
2037-26-5	Toluene-D8	102%	60-130%
460-00-4	4-Bromofluorobenzene	98%	60-130%

# Blank Spike Summary

Job Number: C10723  
 Account: GGTRCASF Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN500-BS	N14700.D	1	04/27/10	TF	n/a	n/a	VN500

4.2.3  
**4**

The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	17.5	88	60-130
106-93-4	1,2-Dibromoethane	20	18.2	91	60-130
107-06-2	1,2-Dichloroethane	20	16.2	81	60-130
108-20-3	Di-Isopropyl ether	20	15.7	79	60-130
100 41-4	Ethylbenzene	20	17.4	87	60-130
637-92-3	Ethyl Tert Butyl Ether	20	16.8	84	60-130
1634-04-4	Methyl Tert Butyl Ether	20	16.6	83	60-130
994-05-8	Tert-Amyl Methyl Ether	20	17.1	86	60-130
75-65-0	Tert-Butyl Alcohol	100	92.6	93	60-130
108-88-3	Toluene	20	17.1	86	60-130
1330-20-7	Xylene (total)	60	53.4	89	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	60-130%
2037-26-5	Toluene-D8	99%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

# Blank Spike Summary

Job Number: C10723  
Account: GGTRCASF Golden Gate Tank Removal  
Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN500-BS	N14701.D	1	04/27/10	TF	n/a	n/a	VN500

4.2.4  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	60-130%
2037-26-5	Toluene-D8	101%	60-130%
460-00-4	4-Bromofluorobenzene	99%	60-130%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C10723  
 Account: GGTRCASF Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C10700-1MS	M14198.D	1	04/23/10	XB	n/a	n/a	VM463
C10700-1MSD	M14199.D	1	04/23/10	XB	n/a	n/a	VM463
C10700-1	M14188.D	1	04/23/10	XB	n/a	n/a	VM463

The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-6, C10723-7

CAS No.	Compound	C10700-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	39.4	38.6	98	38.2	96	1	60-130/30
106-93-4	1,2-Dibromoethane	ND	39.4	40.0	101	41.2	103	3	60-130/30
107-06-2	1,2-Dichloroethane	ND	39.4	37.7	96	37.3	94	1	60-130/30
108-20-3	Di-Isopropyl ether	ND	39.4	37.3	95	37.1	93	1	60-130/30
100-41-4	Ethylbenzene	ND	39.4	38.4	97	38.3	96	0	60-130/30
637-92-3	Ethyl tert-Butyl Ether	ND	39.4	37.8	96	37.4	94	1	60-130/30
1634-04-4	Methyl Tert Butyl Ether	ND	39.4	38.5	98	38.1	96	1	60-130/30
994-05-8	Tert-Amyl Methyl Ether	ND	39.4	37.6	95	37.6	94	0	60-130/30
75-65-0	Tert Butyl Alcohol	ND	197	220	112	213	107	3	60-130/30
108-88-3	Toluene	ND	39.4	38.8	98	38.9	98	0	60-130/30
1330-20-7	Xylene (total)	ND	118	116	98	118	99	2	60-130/30

CAS No.	Surrogate Recoveries	MS	MSD	C10700-1	Limits
1868-53-7	Dibromofluoromethane	101%	99%	98%	60-130%
2037-26-5	Toluene-D8	99%	98%	103%	60-130%
460-00-4	4-Bromofluorobenzene	96%	96%	96%	60-130%

4.3.1  
4

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C10723  
 Account: GGTRCASF Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C10794-11MS	N14719.D	1	04/27/10	TF	n/a	n/a	VN500
C10794-11MSD	N14720.D	1	04/27/10	TF	n/a	n/a	VN500
C10794-11	N14713.D	1	04/27/10	TF	n/a	n/a	VN500

4.3.2  
4

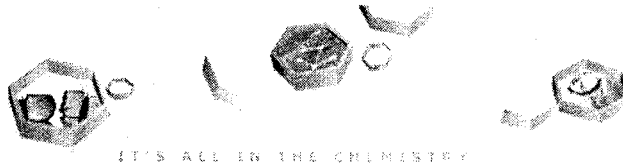
The QC reported here applies to the following samples:

Method: SW846 8260B

C10723-8

CAS No.	Compound	C10794-11 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	20	17.1	86	17.8	89	4	60-130/25
106-93-4	1,2-Dibromoethane	ND	20	16.9	85	17.6	88	4	60-130/25
107-06-2	1,2-Dichloroethane	ND	20	15.4	77	16.2	81	5	60-130/25
108-20-3	Di-Isopropyl ether	ND	20	14.8	74	15.1	76	2	60-130/25
100-41-4	Ethylbenzene	ND	20	17.2	86	17.7	89	3	60-130/25
637-92-3	Ethyl Tert Butyl Ether	ND	20	16.1	81	16.5	83	2	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND	20	15.6	78	16.0	80	3	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND	20	15.9	80	16.3	82	2	60-130/25
75-65-0	Tert-Butyl Alcohol	ND	100	79.5	80	82.4	82	4	60-130/25
108-88-3	Toluene	ND	20	16.8	84	17.3	87	3	60-130/25
1330-20-7	Xylene (total)	ND	60	52.4	87	53.9	90	3	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C10794-11	Limits
1868-53-7	Dibromofluoromethane	103%	101%	103%	60-130%
2037-26-5	Toluene-D8	100%	100%	101%	60-130%
460-00-4	4-Bromofluorobenzene	102%	102%	96%	60-130%



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## GC Semi-volatiles

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5

## QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



# Method Blank Summary

Job Number: C10723  
Account: GGTRCASF Golden Gate Tank Removal  
Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2050-MB	HH6360.D	1	04/23/10	JH	04/22/10	OP2050	GHH279

The QC reported here applies to the following samples:

Method: SW846 8015B M

C10723-6, C10723-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	74%	45-140%

511  
5

# Method Blank Summary

Job Number: C10723  
Account: GGTRCASF Golden Gate Tank Removal  
Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2055-MB	HH6375.D	1	04/26/10	JH	04/26/10	OP2055	GHH280

The QC reported here applies to the following samples:

Method: SW846 8015B M

C10723-1, C10723-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	69% 45-140%

512  
5

# Blank Spike/Blank Spike Duplicate Summary

Job Number: C10723  
 Account: GGTRCASF Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2050-BS	HH6361.D	1	04/23/10	JH	04/22/10	OP2050	GHH279
OP2050-BSD	HH6362.D	1	04/23/10	JH	04/22/10	OP2050	GHH279

The QC reported here applies to the following samples:

Method: SW846 8015B M

C10723-6, C10723-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	100	85.1	85	90.8	91	6	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	76%	82%	45-140%

5.2.1  
5

# Blank Spike/Blank Spike Duplicate Summary

Job Number: C10723  
 Account: GGTRCASF Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2055-BS	HH6376.D	1	04/26/10	JH	04/26/10	OP2055	GHH280
OP2055-BSD	HH6377.D	1	04/26/10	JH	04/26/10	OP2055	GHH280

The QC reported here applies to the following samples:

Method: SW846 8015B M

C10723-1, C10723-8

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	1	0.637	64	0.646	65	1	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	70%	73%	45-140%

5.2.2  
5

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C10723  
 Account: GGTRCASF Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2050-MS	GG13383.D	1	04/23/10	JH	04/22/10	OP2050	GGG421
OP2050-MSD	GG13384.D	1	04/23/10	JH	04/22/10	OP2050	GGG421
C10712-7	GG13369.D	1	04/23/10	JH	04/22/10	OP2050	GGG421

5.3.1  
5

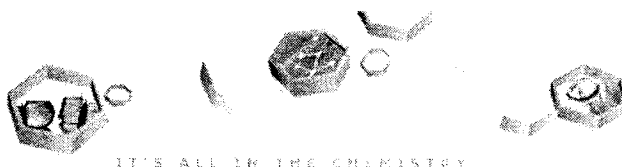
The QC reported here applies to the following samples:

Method: SW846 8015B M

C10723-6, C10723-7

CAS No.	Compound	C10712-7 mg/kg	Spike Q	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	38.0	133	142	78	132	71	7	45-140/30

CAS No.	Surrogate Recoveries	MS	MSD	C10712-7	Limits
630-01-3	Hexacosane	81%	71%	81%	45-140%



IT'S ALL IN THE CHEMISTRY

## Metals Analysis

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6

## QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C10723  
Account: GGTRCASP - Golden Gate Tank Removal  
Project: 132 Guilford Road - Piedmont, CA

QC Batch ID: MP2310  
Matrix Type: SOLID

Methods: SW846 6010B  
Units: mg/kg

Prep Date: 04/23/10

Metal	RL	IDL	MDL	MB	
				raw	final
Aluminum	10	1.4	1.5		
Antimony	2.0	.69	1.2		
Arsenic	2.0	.44	.51		
Barium	1.0	.06	.11		
Beryllium	1.0	.01	.02		
Boron	2.0	.86	.29		
Cadmium	1.0	.03	.05		
Calcium	50	2.9	6.9		
Chromium	1.0	.04	.06		
Cobalt	1.0	.04	.06		
Copper	1.0	.08	.51		
Iron	10	.26	.43		
Lead	1.0	.33	.54	0.030	<1.0
Lithium	1.0	.22	.12		
Magnesium	10	.96	1.4		
Manganese	1.0	.01	.04		
Molybdenum	1.0	.13	.19		
Nickel	1.0	.08	.1		
Potassium	50	5.8	6.2		
Selenium	2.0	1.4	1.5		
Silicon	20	.34	7		
Silver	1.0	.09	.13		
Sodium	50	1.5	3		
Strontium	1.0	.03	.04		
Thallium	2.0	.65	.74		
Tin	50	.23	2		
Titanium	1.0	.02	.15		
Vanadium	1.0	.07	.045		
Zinc	2.0	.09	.24		

Associated samples MP2310: C10723-6

Results < IDL are shown as zero for calculation purposes  
(\*) Outside of QC limits  
(anr) Analyte not requested

8.11  
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10723  
 Account: GGTRCASF - Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

QC Batch ID: MP2310  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 04/23/10

Metal	C10733-1 Original MS	Spikelot MPIR1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.4	50.7	45.9	87.9 80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP2310: C10723-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

6.12  
 6



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10723  
 Account: GGTRCASF - Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

QC Batch ID: MP2310  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 04/23/10

Metal	C10733-1 Original MSD	Spikelot MPIR1	% Rec	MSD RPD	QC Limit
-------	--------------------------	-------------------	-------	------------	-------------

Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	10.4	52.4	46.7	89.9	3.3 20
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP2310: C10723-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

6.12

6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C10723  
 Account: GGTRCASF - Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

QC Batch ID: MP2310  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 04/23/10 04/23/10

Metal	BSP Result	Spikelot MPIR1	% Rec	QC Limits	BSD Result	Spikelot MPIR1	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	51.1	50	102.2	80-120	50.6	50	101.2	1.0	
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP2310: C10723-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

6.13  
**6**

SERIAL DILUTION RESULTS SUMMARY

Login Number: C10723  
 Account: GGTRCASF - Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

QC Batch ID: MP2310  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 04/23/10

Metal	C10733-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	111	117	4.8	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP2310: C10723-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

6.14  
6

POST DIGESTATE SPIKE SUMMARY

Login Number: C10723  
 Account: GGTRCASF - Golden Gate Tank Removal  
 Project: 132 Guilford Road - Piedmont, CA

QC Batch ID: MP2310  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date:

04/23/10

Metal	Sample ml	Final ml	C10733-1 Raw	PS Corr.**	ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
-------	--------------	-------------	-----------------	---------------	------	-------------	----------------	---------------	-------	--------------

Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	10	10.05	111.2	110.6468	545.5	0.05	100	497.5124	87.4	-
Lithium										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP2310: C10723-6

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (\*\*) Corr. sample result = Raw \* (sample volume / final volume)  
 (anr) Analyte not requested



## CERTIFICATE OF DISPOSAL

DATE: April 21, 2010  
PROJECT NUMBER: 9139  
PROJECT ADDRESS: 132 Guilford Road, Piedmont, CA 94611  
TANK SIZE: 200 gallons  
ORIGINAL TANK CONTENTS: Diesel

Golden Gate Tank Removal, Inc. hereby issues CERTIFICATION that:

- This tank was cleaned by triple rinsing and allowable for disposal as scrap metal.
- The Oxygen content of the Tank was 20.9%
- The Lower Explosive Limit was 0%
- The above tank was rendered harmless by cutting and disposed of as scrap metal at Circosta Iron and Metal, Inc.
- The above method of tank destruction is suitable for the materials involved and is accepted by the City of Piedmont and Alameda County as an appropriate disposal method.

Copies of the analytical certificate the chain-of-custody prepared for the rinsate sample and the scrap metal receipt are attached to this Certification. If there are any questions regarding this tank, please contact this office.

Golden Gate Tank Removal, Inc.

# CIRCOSTA IRON AND METAL, INC.

1801 EVANS AVENUE • SAN FRANCISCO, CALIFORNIA 94124  
PHONE (415) 282-8568 • FAX (415) 691-7804

BUY NUMBER  
**324932**

CUSTOMER Duron  
ADDRESS \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_  
DRIVER'S LIC. NO. \_\_\_\_\_  
JOB NO. \_\_\_\_\_  
TIME IN \_\_\_\_\_

DATE: 4-22-10  
**7740 LB** LBS. GROSS  
**2480 LB** LBS. TARE  
**2480** LBS. NET  
LBS. DEDUCTION

INSURANCE  
TIME OF  
**APR 22 2010**  
BY: \_\_\_\_\_

- #1 HMS
- #2 HMS
- STRUCTURAL
- RE-BAR
- HMS and SHEET MIX
- CLEAN SHEET
- W/G
- CAST IRON
- M-BLOCKS
- BODIES
- NON-FERROUS

PREPARED   
UNPREPARED

WEIGHER  
UNIT PRICE \$ 150  
AMOUNT \$ 1950

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

X [Signature]  
CUSTOMER SIGNATURE

BILL OF SALE: I hereby state that I am the lawful owner of the material described herein, that I have a right to sell same and that for payment received in full, hereby acknowledged, I sell and convey title of same of the CIRCOSTA IRON & METAL CO.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number C A C 0 0 2 6 5 2 5 0 4		2. Page 1 of 1		3. Emergency Response Phone (510)476-1740		4. Manifest Tracking Number <b>004451150 JJK</b>			
5. Generator's Name and Mailing Address LESLIE MULHOLLAND 132 GUILFORD RD PIEDMONT CA 94611 Generator's Phone: 510 653-3460					Generator's Site Address (if different than mailing address) 132 GUILFORD RD PIEDMONT CA 94611						
6. Transporter 1 Company Name UNI WASTE					U.S. EPA ID Number C A L 0 0 0 3 1 7 3 2 0						
7. Transporter 2 Company Name					U.S. EPA ID Number						
8. Designated Facility Name and Site Address CLEARWATER ENVIRONMENTAL 2430 ALMOND DRIVE SILVER SPRINGS NV 89429 Facility's Phone: (775)577-9001					U.S. EPA ID Number N V D 9 8 2 3 5 8 4 8 3						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
					No.	Type					
1.	NON RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)				001	TT	325	G	223		
2.											
3.											
4.											
14. Special Handling Instructions and Additional Information WEAR PPE, ERG # 171  <i>INV # 187912 GOLDEN GATE TANK REMOVAL</i>											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generators/Offor's Printed/Typed Name <i>Ruben Limon</i>					Signature <i>[Signature]</i>			Month Day Year 04/19/10			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____											
17. Transporter Acknowledgment of Receipt of Materials											
Transporter 1 Printed/Typed Name <i>MIKE STONE</i>					Signature <i>Mike Stone</i>			Month Day Year 04/19/10			
Transporter 2 Printed/Typed Name					Signature			Month Day Year			
18. Discrepancy											
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
18b. Alternate Facility (or Generator) U.S. EPA ID Number											
Facility's Phone:											
18c. Signature of Alternate Facility (or Generator)								Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1.			2.			3.			4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name					Signature			Month Day Year			

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number C A C 0 0 2 6 5 2 5 0 4	2. Page 1 of 1	3. Emergency Response Phone (510)476-1740	4. Manifest Tracking Number <b>004451212 JJK</b>		
5. Generator's Name and Mailing Address <b>LESLIE MULHOLLAND 132 GUILFORD RD PIEDMONT CA 94611</b>				Generator's Site Address (if different than mailing address) <b>132 GUILFORD RD PIEDMONT CA 94611</b>			
Generator's Phone: <b>510 653-3460</b>				U.S. EPA ID Number C A L 0 0 0 3 1 7 3 2 0			
6. Transporter 1 Company Name <b>UNI WASTE</b>				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>CLEARWATER ENVIRONMENTAL 2430 ALMOND DRIVE SILVER SPRINGS NV 89429</b>				U.S. EPA ID Number N V D 9 8 2 3 5 8 4 8 3			
Facility's Phone: <b>(775)577-9001</b>							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	NON RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)	001	DM	55	G	223	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information <b>WEAR PPE, ERG # 171</b>							
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeree's Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Month Day Year 15   10   10	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>William Clark</i> Signature <i>[Signature]</i> Month Day Year <i>05   10   18</i> Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____							
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ U.S. EPA ID Number _____							
18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. _____ 2. _____ 3. _____ 4. _____							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name _____ Signature _____ Month Day Year _____							

GENERATOR  
TRANSPORTER INTL  
DESIGNATED FACILITY



Keller Canyon  
Sanitary Landfill  
301 Bailey Road  
Pittsburg, CA 94565  
Phone (925) 458-9800  
Fax (925) 458-9891

Coffin Butte  
Landfill  
28972 Coffin Butte Road  
Corvallis, OR 97330  
Phone (541) 745-2018  
Fax (541) 745-3826

Ox Mountain  
Sanitary Landfill  
12310 San Mateo Road  
Half Moon Bay, CA 94019  
Phone (650) 726-1819  
Fax (650) 726-9183

Newby Island  
Sanitary Landfill  
1601 Dixon Landing Road  
Milpitas, CA 95035  
Phone (408) 945-2800  
Fax (408) 262-2871

Forward  
Landfill  
9999 S. Austin Road  
Manteca, CA 95336  
Phone (209) 982-4298  
Fax (209) 982-1009

**NON-HAZARDOUS WASTE MANIFEST**

GENERATOR <b>Clearwater Environmental Management Inc.</b>		WASTE ACCEPTANCE NO. <b>-L69Y67456</b>	
MAILING ADDRESS <b>P.O. Box 2407</b>		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
CITY, STATE, ZIP <b>Union City, CA 94587</b>		<input checked="" type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input checked="" type="checkbox"/> HARD HAT	
PHONE <b>(510) 476-1740</b>		<input type="checkbox"/> TY-VEK <input checked="" type="checkbox"/> SAFETY VEST	
CONTACT PERSON <b>Kirk Hayward</b>		SPECIAL HANDLING PROCEDURES:	
SIGNATURE OF AUTHORIZED AGENT / TITLE <b>* [Signature] 16M</b>	DATE <b>5/10/10</b>		
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.		<b>195 PM</b>	
WASTE TYPE: <input type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIAL WASTE		RECEIVING FACILITY	
GENERATING FACILITY <b>5002 Archer Street ALVISO</b>			

TRANSPORTER <b>Clearwater Environmental Manage</b>	NOTES:	VEHICLE LICENSE NUMBER <b>6E88D34</b>	TRUCK NUMBER <b>83</b>
ADDRESS <b>3370 Western Avenue</b>			
CITY, STATE, ZIP <b>Union City, CA 94587</b>			
PHONE <b>(510) 476-1740</b>			
SIGNATURE OF AUTHORIZED AGENT OR DRIVER <b>* [Signature]</b>	DATE <b>05-11-10</b>	END DUMP <input type="checkbox"/>	BOTTOM DUMP <input type="checkbox"/>
		ROLL-OFF(S) <input type="checkbox"/>	FLAT-BED <input type="checkbox"/>
			VAN <input type="checkbox"/>
			DRUMS <input type="checkbox"/>

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		CUBIC YARDS <b>202</b>	
REMARKS		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
FACILITY TICKET NUMBER <b># 26827</b>		DISPOSE	
SIGNATURE OF AUTHORIZED AGENT <b>* [Signature]</b>		OTHER	
DATE <b>5-11-10</b>		<input type="checkbox"/> SOIL	
		<input type="checkbox"/> CONSTRUCTION DEBRIS	
		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input checked="" type="checkbox"/> SPECIAL OTHER	

**SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.**

**INTERNATIONAL DISPOSAL CORP.  
OF CALIFORNIA**

512741990

"Newby Island Resource Recovery Park  
1601 Dixon Landing Road, Milpitas, CA 95035  
Tel: (408) 262-1401 Fax: (408) 945-0667

**FACILITY LOCATION**  
Off Interstate 880, Exit at  
Dixon Landing Road West

9999999  
PENDING  
42600 BOYCE RD

FREMONT, CA 94537  
Contract: CUST NO. MISSING

SITE Y1	TICKET 026827	GRID
WEIGHMASTER 48221 HUMBERTO P		
DATE IN 11 May 2010	TIME IN 12:08 pm	
DATE OUT 11 May 2010	TIME OUT 12:43 pm	
VEHICLE UN183		ROLL OFF
REFERENCE L69Y67456	ORIGIN Alviso	

02 Gross Weight 53,300.00 lb Inbound SW-Outside  
Stored Tare Weight 29,780.00 lb  
Net Weight 23,520.00 lb 11.76 TN

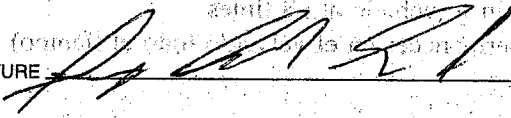
QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TOTAL
11.76	TN	SW-BENEFICIAL REUSE			
1.00	LD	ENVIRONMENTAL FEE			
1.00	LD	FUEL RECOVERY FEE			

Route: 0000  
Work Order: 000000

22782 CLEARWATER ENV

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DRIVER'S SIGNATURE



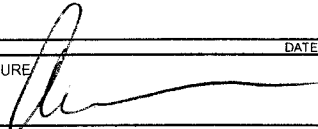
NS - 023

**ARNING:** Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

**PORTANT:** Read site rules on back side of this ticket.

FAXED

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> Yes <input type="checkbox"/> No		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PERSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.		
REPORT DATE 4/22/10		CASE #		SIGNED _____ DATE _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Annette Chen		PHONE (415) 512-1555		SIGNATURE 	
	REPRESENTING LOCAL AGENCY _____ REGIONAL BOARD _____ OWNER/OPERATOR x OTHER... contractor		COMPANY OR AGENCY NAME Golden Gate Tank Removal, Inc.			
	ADDRESS 3730 Mission Street San Francisco CA 94110					
RESPONSIBLE PARTY	NAME Leslie Mulholland <input type="checkbox"/> Unknown		PHONE 510-681-6976			
	ADDRESS 132 Guilford Rd. Piedmont CA 94611					
SITE LOCATION	FACILITY NAME (IF APPLICABLE)		OPERATOR		PHONE	
	ADDRESS 132 Guilford Rd. Piedmont Alameda 94611					
	CROSS STREET Highland Ave.					
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County Department of Environmental Health -Robert Weston			PHONE (510)567-6781		
	REGIONAL BOARD			PHONE		
SUBSTANCES INVOLVED	(1) NAME Diesel			QUANTITY LOST (GALLONS) _____ <input checked="" type="checkbox"/> Unknown		
	(2)			_____ <input type="checkbox"/> Unknown		
DISCOVERY/ABATEMENT	DATE DISCOVERED 4/21/10		HOW DISCOVERED <input type="checkbox"/> Tank Test <input checked="" type="checkbox"/> Tank Removal <input type="checkbox"/> Nuisance Conditions <input type="checkbox"/> Inventory Control <input type="checkbox"/> Subsurface Monitoring <input type="checkbox"/> Other...			
	DATE DISCHARGE BEGAN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> Unknown <input checked="" type="checkbox"/> Remove Contents <input checked="" type="checkbox"/> Close Tank & Removed <input type="checkbox"/> Repair Tank <input type="checkbox"/> Change Procedure <input type="checkbox"/> Replace Tank <input type="checkbox"/> Other... <input type="checkbox"/> Repair Piping			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		4/21/10 IF YES, DATE			
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> Tank Leak <input type="checkbox"/> Piping Leak <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Other...		CAUSE(S) <input type="checkbox"/> Overfill <input type="checkbox"/> Corrosion <input type="checkbox"/> Rupture/Failure <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Spill <input type="checkbox"/> Other...			
	CASE TYPE CHECK ONE ONLY <input checked="" type="checkbox"/> Undetermined <input type="checkbox"/> Soil Only <input type="checkbox"/> Groundwater <input type="checkbox"/> Drinking Water - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input checked="" type="checkbox"/> No Action Taken <input type="checkbox"/> Case Closed (Cleanup Completed or Unnecessary) <input type="checkbox"/> Leak Being Confirmed <input type="checkbox"/> Pollution Characterization <input type="checkbox"/> Remediation Plan <input type="checkbox"/> Post Cleanup Monitoring in Progress <input type="checkbox"/> Preliminary Site Assessment Workplan Submitted <input type="checkbox"/> Cleanup Underway <input type="checkbox"/> Preliminary Site Assessment Underway					
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> Cap Site (CD) <input type="checkbox"/> Excavate & Treat (ET) <input type="checkbox"/> Treatment at Hookup (HU) <input type="checkbox"/> Other... <input type="checkbox"/> Contamination Barrier (CB) <input type="checkbox"/> No Action Required (NA) <input type="checkbox"/> Enhanced Bio Degradation (IT) <input type="checkbox"/> Vacuum Extract (VE) <input type="checkbox"/> Remove Free Product (FP) <input type="checkbox"/> Replace Supply (RS) <input type="checkbox"/> Excavate & Dispose (ED) <input type="checkbox"/> Pump & Treat Groundwater (GT) <input type="checkbox"/> Vent Soil (VS)					
COMMENTS	Holes found in the tank.					

**UNIFIED PROGRAM CONSOLIDATED FORM  
HAZARDOUS WASTE  
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION**

Page \_\_\_\_ of \_\_\_\_

**I. FACILITY IDENTIFICATION**

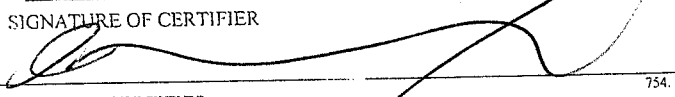
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3.			FACILITY ID#												1.
TANK OWNER NAME															740.
TANK OWNER ADDRESS															741.
TANK OWNER CITY					STATE			ZIP CODE			744.				

**II. TANK CLOSURE INFORMATION**

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor			Concentration of Oxygen		
		Top	Center	Bottom	Top	Center	Bottom
		746a.	746b.	746c.	747a.	747b.	747c.
1	9139 745.	0% 749a.	0% 749b.	0% 749c.	20.9% 750a.	20.9% 750b.	20.9% 750c.
2	748.	749a.	749b.	749c.	750a.	750b.	750c.
3	751.	752a.	752b.	752c.	753a.	753b.	753c.

**III. CERTIFICATION**

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER  


NAME OF CERTIFIER (Print) 754.  
Joshua Alexander

TITLE OF CERTIFIER 755.  
Project Manager

ADDRESS 756.  
3730 Mission St.

CITY 757.  
San Francisco

PHONE 758.  
(415) 512-1555

DATE 759.  
4/21/10

CERTIFICATION TIME

STATUS OR AFFILIATION OF CERTIFYING PERSON 760.  
Certifier is a representative of the CUPA, authorized agency, or LIA:  
 Yes  No

Name of CUPA, authorized agency, or LIA: 761.  
N/A

If certifier is other than CUPA / LIA check appropriate box below: 762.

a. Certified Industrial Hygienist (CIH)  
 b. Certified Safety Professional (CSP)  
 c. Certified Marine Chemist (CMC)  
 d. Registered Environmental Health Specialist (REHS)  
 e. Professional Engineer (PE)  
 f. Class II Registered Environmental Assessor  
 g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763.  
(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.)  Yes  No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764.

A copy of this certificate shall accompany the tank to the recycling/disposal facility and be provided to the agency overseeing tank closure (i.e. CUPA or other authorized local agency); the owner and/or operator of the tank system; and the tank removal contractor.

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 ENVIRONMENTAL HEALTH SERVICES  
 1131 HARBOR BAY PARKWAY, RM 250  
 ALAMEDA, CA 94502-6577  
 PHONE # 510/567-6700

**ACCEPTED**

Underground Storage Tank Closure Permit Application  
 Alameda County Division of Miscellaneous Materials  
 1131 Harbor Bay Parkway, Suite 250  
 Alameda, CA 94502-6577

These closure/removal plans have been reviewed and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.  
 One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.  
 Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.  
 Notify this Department at least 72 hours prior to the following required inspections:

- ✓ Removal of Tank(s) and Piping
- Sampling
- Final Inspection

Absence of a permit to operate, by permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

**THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:**

Contact Specialist:

Roseanna Garcia - La Grille  
 510-777-2149

See Table 2 for sample analysis

*Roseanna Garcia*  
*J. La Grille*  
 4/16/10

**UNDERGROUND TANK CLOSURE PLAN**

\* \* \* Complete plan according to attached instructions \* \* \*

1. Name of Business Golden Gate Tank Removal, Inc.  
 Business Owner or Contact Person (PRINT) Joshua Alexander

2. Site Address 132 Guilford Rd.  
 city Piedmont zip 94611 Phone (510)653-3460

3. Mailing Address 3730 Mission Street  
 city San Francisco zip 94110 Phone (415) 512-1555

4. Property Owner Leslie Mulholland  
 Business Name (if applicable) 132 Guilford Rd.  
 Address 132 Guilford Rd.  
 City, state Piedmont CA Zip 94611

5. Generator name under which tank will be manifested  
Leslie Mulholland  
 EPA ID# under which tank will be manifested C A C 0 0 2 6 5 2 5 0 4

**SR0016790**

4/15/10

6. Contractor Golden Gate Tank Removal, Inc.  
Address 3730 Mission Street  
City San Francisco Phone (415) 512-1555  
License Type A C-8 HAZ ID# 616521

7. Consultant (if applicable) \_\_\_\_\_  
Address \_\_\_\_\_  
City, State \_\_\_\_\_ Phone \_\_\_\_\_

8. Main Contact Person for Investigation (if applicable)  
Name Joshua Alexander Title Project Manager  
Company Golden Gate Tank Removal, Inc.  
Phone (415) 512-1555

9. Number of underground tanks being closed with this plan 1 (one)  
Length of piping being removed under this plan up to 15 feet  
Total number of underground tanks at this facility (\*\*confirmed with owner or operator) 1 (to be removed)

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**\*\* Underground storage tanks must be handled as hazardous waste \*\***

a) Product/Residual Sludge/Rinsate Transporter

Name Uniwaste, Inc. EPA I.D. No. CAL000317320  
Hauler License No. 4919 License Exp. Date \_\_\_\_\_  
Address P.O. Box 2404  
City Union City State CA Zip \_\_\_\_\_

b) Product/Residual Sludge/Rinsate Disposal Site

Name Clearwater Environmental EPA ID# NVD982358483  
Address 2430 Almond Drive  
City Silver Springs State NV Zip 89429

c) Tank and Piping Transporter

Name Golden Gate Tank Removal, Inc. (Dispose & Transport as Non Haz) EPA I.D. No. \_\_\_\_\_  
Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_  
Address 3730 Mission Street  
City San Francisco State CA Zip 94110

d) Tank and Piping Disposal Site

Name Circosta Scrap Metal EPA I.D. No. CAD983650797  
Address 1801 Evans Ave.  
City San Francisco State CA Zip 94124

11. Sample Collector

Name Joshua Alexander  
Company Golden Gate Tank Removal, Inc.  
Address 3730 Mission Street  
City San Francisco State CA Zip 94110 Phone (415) 512-1555

12. Laboratory

Name Accutest Laboratories  
Address 3334 Victor court  
City Santa Clara State CA Zip 95054  
State Certification No. 2346

13. Have tanks or pipes leaked in the past? Yes [ ] No [ ] Unknown [X]

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank(s) inert:

removal of product, purge, introduce dry ice to reduce vapors  
flush lines and triple rinse with water, if necessary  
pump to vacuum truck, steam clean tank

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.

15. Tank History and Sampling Information \*\*\* (see instructions) \*\*\*

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1500 Gallons	unknown	soil samples & water if present	1. stockpile 2. north/ east end of excavation 3. south/west end of excavation bottom of tank- max 15 feet

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.



Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated)  <h1>10-20 yards</h1>	Sampling Plan  4 point composite for every 50 cubic yards  or 4 point composite for every 20 cubic yards

**Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.**

Will the excavated soil be returned to the excavation immediately after tank removal?  yes  no  unknown

If yes, explain reasoning \_\_\_\_\_  
 \_\_\_\_\_

**If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.**

**TABLE #2**  
REVISED 21 NOVEMBER 2003

**RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR  
UNDERGROUND TANK LEAKS**

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u> (SW-846 METHOD)		<u>WATER ANALYSIS</u> (Water/Waste Water Method)	
<b>Gasoline (Leaded and Unleaded)</b>	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA --Optional--	TOTAL LEAD	AA
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
<b>Unknown Fuel</b>	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA --Optional--	TOTAL LEAD	AA
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
<b>Diesel, Jet Fuel, Kerosene, and Fuel/Heating Oil</b>	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
<b>Chlorinated Solvents</b>	CL HC	8260	CL HC	524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
	1,4-Dioxane	8270M	1,4-Dioxane	8270M
<b>Non-chlorinated Solvents</b>	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
<b>Waste, Used, or Unknown Oil</b>	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	O&G	9070	O&G	418.1
	BTEX	8260	BTEX	524.2/624 (8260)
	CL HC	8260	CL HC	524.2/624 (8260)
	1,4-Dioxane	8270M	1,4-Dioxane	8270M
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	METALS (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil water			
	PCB*, PCP*, PNA, CREOSOTE by 8270 for soil and 524/625 (8270) for water If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)			

NOTES:

1. 8021 replaces old methods 8020 and 8010
2. 8260 replaces old method 8240
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001).

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.


I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Golden Gate Tank Removal, Inc.

Name of Individual Annette Chen - Project Coordinator

Signature  Annette Chen Digitally signed by Annette Chen  
DN: cn=Annette Chen, ou=EH  
Date: 2010.04.13 10:43:00 -0700 Date 4/13/10

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business \_\_\_\_\_

Name of Individual Leslie Mulholland

Signature  Leslie Mulholland Date 4/13/10

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – FACILITY INFORMATION**  
(One form per facility)

TYPE OF ACTION  1. NEW PERMIT  5. CHANGE OF INFORMATION  7. PERMANENT FACILITY CLOSURE 400.  
(Check one item only)  3. RENEWAL PERMIT  6. TEMPORARY FACILITY CLOSURE  9. TRANSFER PERMIT

**I. FACILITY INFORMATION**

TOTAL NUMBER OF USTs AT FACILITY 404. **1 (One)** FACILITY ID # 1.  
(Agency Use Only)

BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3.  
**Residential**

BUSINESS SITE ADDRESS 103. **132 Guilford Rd.** CITY 104. **Piedmont**

FACILITY TYPE  1. MOTOR VEHICLE FUELING  2. FUEL DISTRIBUTION 403. Is the facility located on Indian Reservation or 405.  
 3. FARM  4. PROCESSOR  6. OTHER Trust lands?  1. Yes  2. No

**II. PROPERTY OWNER INFORMATION**

PROPERTY OWNER NAME 407. **Leslie Mulholland** PHONE 408.  
**( 510 ) 653-3460**

MAILING ADDRESS 409.  
**132 Guilford Rd.**

CITY 410. **Piedmont** STATE 411. **CA** ZIP CODE 412. **94611**

**III. TANK OPERATOR INFORMATION**

TANK OPERATOR NAME 428-1. **Same as #2** PHONE 428-2.  
**( )**

MAILING ADDRESS 428-3.

CITY 428-4. STATE 428-5. ZIP CODE 428-6.

**IV. TANK OWNER INFORMATION**

TANK OWNER NAME 414. **Same as #2** PHONE 415.  
**( )**

MAILING ADDRESS 416.

CITY 417. STATE 418. ZIP CODE 419.

OWNER TYPE:  4. LOCAL AGENCY/DISTRICT  5. COUNTY AGENCY  6. STATE AGENCY 420.  
 7. FEDERAL AGENCY  8. NON-GOVERNMENT

**V. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER**

TY (TK) HQ 44- 421. Call the State Board of Equalization, Fuel Tax Division, if there are questions.

**VI. PERMIT HOLDER INFORMATION**

Issue permit and send legal notifications and mailings to:  1. FACILITY OWNER  4. TANK OPERATOR 423.  
 3. TANK OWNER  5. FACILITY OPERATOR

SUPERVISOR OF DIVISION, SECTION, OR OFFICE (Required for Public Agencies Only) 406.

**VII. APPLICANT SIGNATURE**

**CERTIFICATION: I certify that the information provided herein is true, accurate, and in full compliance with legal requirements.**

APPLICANT SIGNATURE 424. DATE 425. PHONE  
 Annette Chen **3/14/10** **( 415 ) 512-1555**  
Digitally signed by Annette Chen  
DN: cn=Annette Chen, ou=UCP  
Date: 2010.04.14 11:28:32 -0700

APPLICANT NAME (print) 426. APPLICANT TITLE 427.  
**Annette Chen - On Behalf of Owner** **Project Coordinator**

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For a UST closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430.  
 1. NEW PERMIT  3. RENEWAL PERMIT  5. CHANGE OF INFORMATION  
 6. TEMPORARY UST CLOSURE  7. UST PERMANENT CLOSURE ON SITE  8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a. DATE EXISTING UST DISCOVERED: 2/18/10 430b.

**I. FACILITY INFORMATION**

FACILITY ID # (Agency Use Only) 1.

BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3.  
 Residential

BUSINESS SITE ADDRESS 103. CITY 104.  
 132 Guilford Rd. Piedmont

**II. TANK DESCRIPTION**

TANK ID # 432. TANK MANUFACTURER 433. TANK CONFIGURATION: THIS TANK IS 434.  
 Unknown Unknown  1. A STAND-ALONE TANK  2. ONE IN A COMPARTMENTED UNIT  
 Complete one page for each compartment in the unit.

DATE UST SYSTEM INSTALLED 435. TANK CAPACITY IN GALLONS 436. NUMBER OF COMPARTMENTS IN THE UNIT 437.  
 Unknown 1500 gallons One

**III. TANK USE AND CONTENTS**

TANK USE  1a. MOTOR VEHICLE FUELING  1b. MARINA FUELING  1c. AVIATION FUELING 439.  
 3. CHEMICAL PRODUCT STORAGE  4. HAZARDOUS WASTE (Includes Used Oil)  5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)]  
 6. OTHER GENERATOR FUEL  95. UNKNOWN  99. OTHER (Specify): Heating Oil 439a.

CONTENTS PETROLEUM:  1a. REGULAR UNLEADED  1c. MIDGRADE UNLEADED  1b. PREMIUM UNLEADED 440.  
 3. DIESEL  5. JET FUEL  6. AVIATION GAS  
 8. PETROLEUM BLEND FUEL  9. OTHER PETROLEUM (Specify): Heating Oil 440a.  
 NON-PETROLEUM:  7. USED OIL  10. ETHANOL.  
 11. OTHER NON-PETROLEUM (Specify): 440b.

**IV. TANK CONSTRUCTION**

TYPE OF TANK  1. SINGLE WALL  2. DOUBLE WALL  95. UNKNOWN 443.  
 PRIMARY CONTAINMENT  1. STEEL  3. FIBERGLASS  6. INTERNAL BLADDER 444.  
 7. STEEL + INTERNAL LINING  95. UNKNOWN  99. OTHER (Specify): 444a.

SECONDARY CONTAINMENT  1. STEEL  3. FIBERGLASS  6. EXTERIOR MEMBRANE LINER  7. JACKETED 445.  
 90. NONE  95. UNKNOWN  99. OTHER (Specify): 445a.

OVERFILL PREVENTION  1. AUDIBLE & VISUAL ALARMS  2. BALL FLOAT  3. FILL TUBE SHUT-OFF VALVE 452.  
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

**V. PRODUCT / WASTE PIPING CONSTRUCTION**

PIPING CONSTRUCTION  1. SINGLE WALL  2. DOUBLE WALL  99. OTHER 460.  
 SYSTEM TYPE  1. PRESSURE  2. GRAVITY  3. CONVENTIONAL SUCTION  4. SAFE SUCTION [23 CCR §2636(a)(3)] 458.

PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  8. FLEXIBLE  10. RIGID PLASTIC 464.  
 90. NONE  95. UNKNOWN  99. OTHER (Specify): 464a.

SECONDARY CONTAINMENT  1. STEEL  4. FIBERGLASS  8. FLEXIBLE  10. RIGID PLASTIC 464b.  
 90. NONE  95. UNKNOWN  99. OTHER (Specify): 464c.

PIPING/TURBINE CONTAINMENT SUMP TYPE  1. SINGLE WALL  2. DOUBLE WALL  90. NONE 464d.

**VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION**

VENT PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify): 464e.  
464e.

VENT SECONDARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify): 464f.  
464f.

VR PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify): 464g.  
464g.

VR SECONDARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify): 464h.  
464h.

VENT PIPING TRANSITION SUMP TYPE  1. SINGLE WALL  2. DOUBLE WALL  90. NONE 464i.

RISER PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify): 464j.  
464j.

RISER SECONDARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify): 464k.  
464k.

FILL COMPONENTS INSTALLED  1. SPILL BUCKET  3. STRIKER PLATE/BOTTOM PROTECTOR  4. CONTAINMENT SUMP 451a-c.

**VII. UNDER DISPENSER CONTAINMENT (UDC)**

CONSTRUCTION TYPE  1. SINGLE WALL  2. DOUBLE WALL  3. NO DISPENSERS  90. NONE 469a.  
 CONSTRUCTION MATERIAL  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  99. OTHER (Specify) 469b.  
469c.

**VIII. CORROSION PROTECTION**

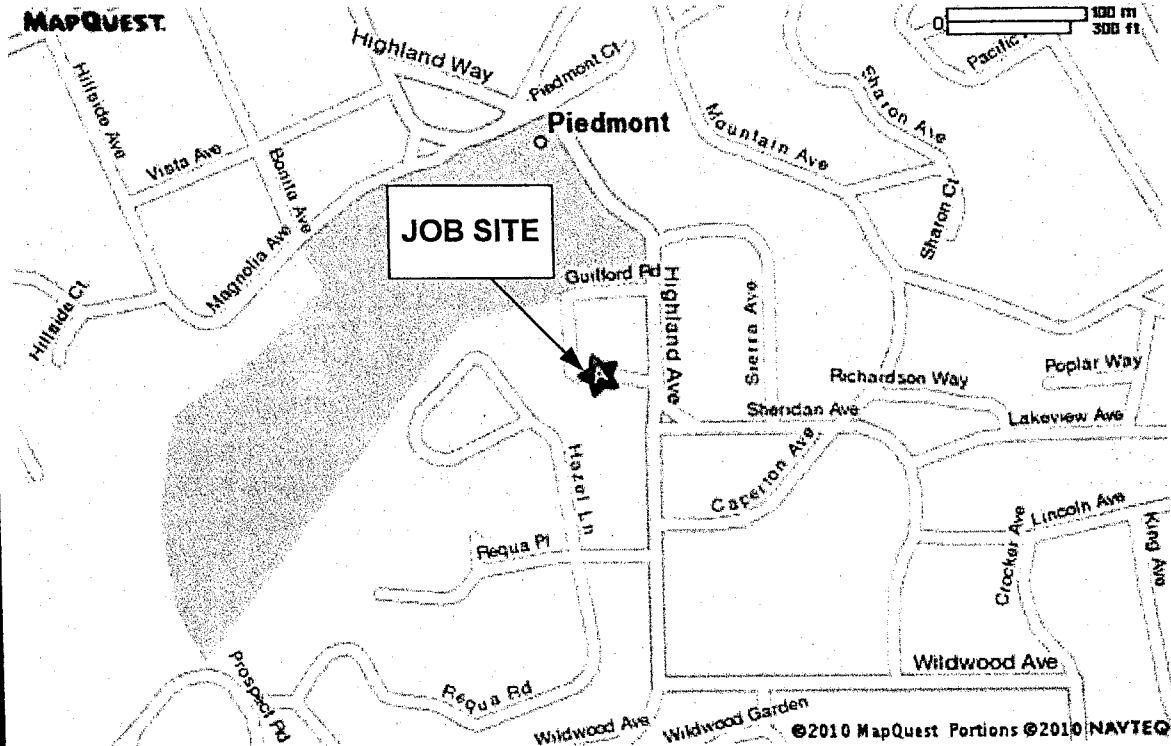
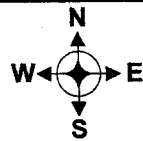
STEEL COMPONENT PROTECTION  2. SACRIFICIAL ANODE(S)  4. IMPRESSED CURRENT  6. ISOLATION 448.

**IX. APPLICANT SIGNATURE**

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE  Annette Chen 470. DATE 3/14/10

APPLICANT NAME (print) Annette Chen - On Behalf of Owner 471. APPLICANT TITLE Project Coordinator 472.



**GOLDEN GATE TANK REMOVAL, INC.**  
3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 512-1555 Fx (415) 512-0964

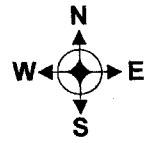
**VICINITY MAP**  
132 Guilford Road  
Piedmont, CA 94611

GGTR Project No.9139

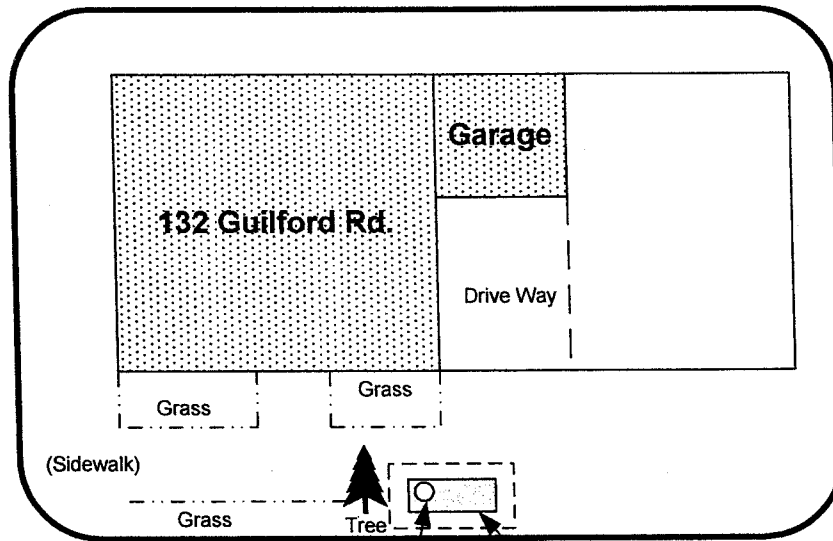
Drawing By: AC

April 2010

Figure 1



Guilford Rd.



Highland Ave.

Guilford Rd.

**GOLDEN GATE TANK REMOVAL, INC.**  
3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 512-1555 Fx (415) 512-0964

**Site Drawing**  
132 Guilford Road  
Piedmont, CA 94611

GGTR Project No. 9139

Drawing By: AC

April 2010

Figure 2



**SITE SAFETY PLAN  
UNDERGROUND TANK REMOVAL**

**132 GUILFORD ROAD  
PIEDMONT, CALIFORNIA 94611**

**April 14, 2010**

**GOLDEN GATE TANK REMOVAL, INC.  
3730 MISSION STREET  
SAN FRANCISCO, CALIFORNIA 94110**

**PROJECT # 9139**



132 Guilford Road, Piedmont California 94611 – Job# 9139

SITE HAZARD INFORMATION

PLEASE PROVIDE THE FOLLOWING INFORMATION FOR THE SITE

Owners Name: Leslie Mulholland
Site Address: 132 Guilford Rd.
Piedmont, CA 94611
Directions to Site: Cross Street: Highland Ave.

Consultant On Site: Golden Gate Tank Removal, Inc. Phone number: 415/512-1555
Site Safety Officer: Joshua Alexander Phone Number: 415/512-1555
Type of Facility: Commercial Mobile Number: 415/730-2179
Site Activities: Drilling construction x Tank Excavation Soil Excavation
Work in Traffic Area Groundwater Extraction Vapor Extraction Above Ground Remediation
Other:

Hazardous Substances

Table with 3 columns: Name (CAS#), Expected Concentration, Health Affects. Row 1: Heating Oil, Minimal, Nausea, Dizziness.

Physical Hazards

x Noise x Excavations/Trenches
x Traffic Other:
x Underground Hazards Overhead Lines
Potential Explosions and Fire hazards:

Level of Protection Equipment

A B C X D See Personal Protective Equipment

Personal Protective Equipment

R = Required A = As Needed

- R Hard Hat
A Safety Boots
R Orange Vest
A Hearing Protection
A Tyvek Coveralls
A Safety Eye wear (Type)
A Respirator (Type) 1/2 Face
A Filter (Type) Carbon
A Gloves (Type) Leather
Other

132 Guilford Road, Piedmont California 94611 – Job# 9139

SITE HAZARD INFORMATION

Monitoring Equipment On Site

Organic Vapor Analyzer  
Oxygen Meter  
H2S Meter

Air Sampling Pump  
X Combustible Gas Meter  
Other \_\_\_\_\_

Site Control Measures Normal Pedestrian, Orange Cones, Traffic Signs

Decontamination Procedures Warm Water Soap

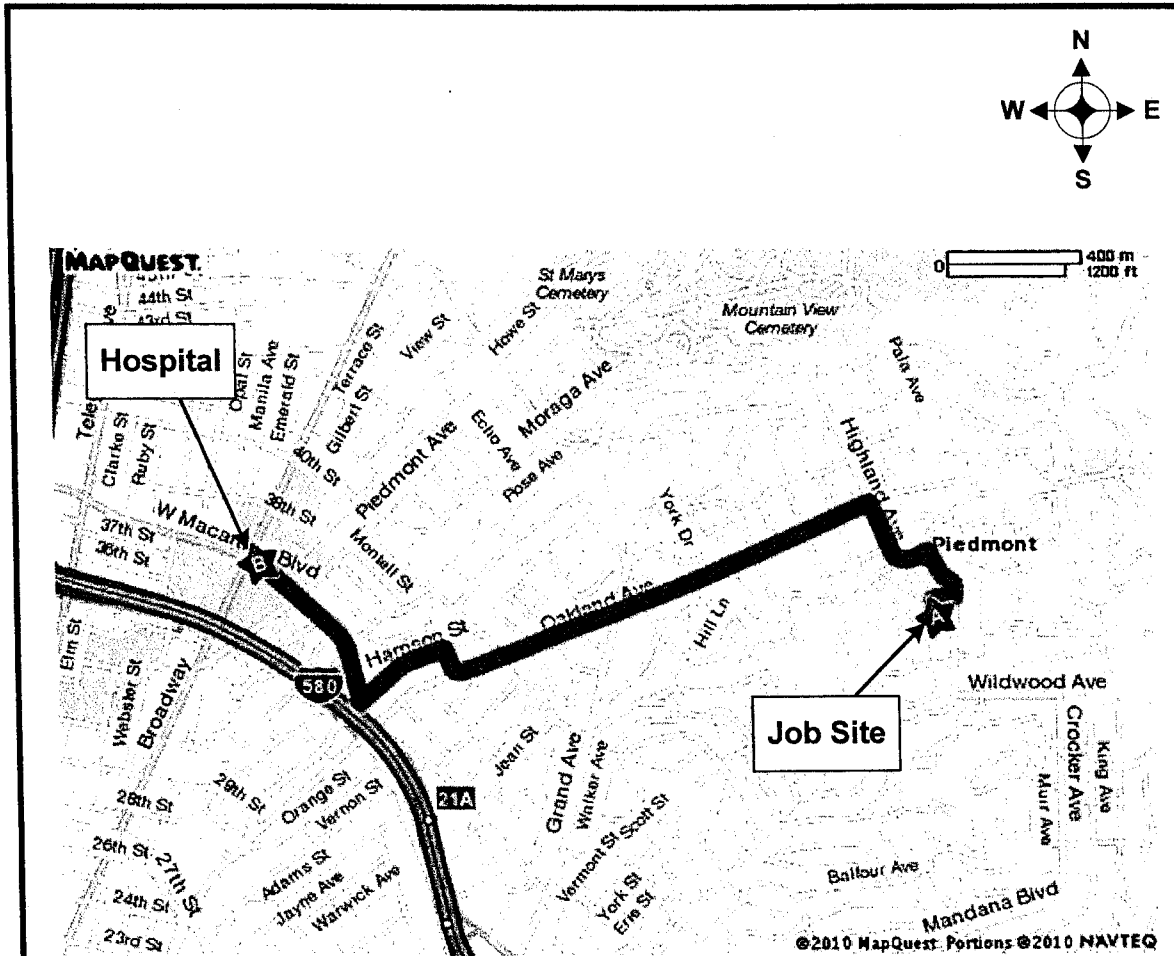
Hospital/Clinic Kaiser Permanente Medical Ctr. Phone (510)251-3960  
Hospital Address 280 W Macarthur Blvd., Oakland, CA 94611  
Paramedic 911 Fire Dept. 911 Police Dept. 911

Emergency/Contingency Plans & Procedures See Safety Procedures

Site Hazard Information Provided By: Annette Chen Phone: 415/512-1555

Signature: X Annette Chen Date: 4/14/10

Digitally signed by Annette Chen  
DN: cn=Annette Chen, o=ES  
Date: 2010.04.14 11:27:14  
+0700



Total Travel Estimate : 2.13 miles - about 6 minutes

- A. 132 Guilford Rd, Piedmont, CA, 94611-3805
1. Start out going EAST on GUILFORD RD toward HIGHLAND AVE. 0.1 mi
  2. Turn LEFT onto HIGHLAND AVE. 0.1 mi
  3. Turn LEFT to stay on HIGHLAND AVE. 0.2 mi
  4. Turn LEFT onto OAKLAND AVE. 1.0 mi
  5. Turn SLIGHT RIGHT onto BAYO VISTA AVE. 0.1 mi
  6. Turn LEFT onto HARRISON ST. 0.2 mi
  7. Turn RIGHT onto W MACARTHUR BLVD. 0.4 mi
  8. 280 W MACARTHUR BLVD is on the RIGHT. 0.0 mi
- B. Kaiser Permanente Medical Center - 280 W Macarthur Blvd, Oakland, CA, 94611

**GOLDEN GATE TANK REMOVAL, INC.**  
 3730 Mission Street  
 San Francisco, CA 94110  
 Ph (415) 512-1555 Fx (415) 512-0964

**HOSPITAL MAP**  
 Kaiser Permanente Medical Ctr  
 280 W Macarthur Blvd.  
 Oakland, California 94611  
 (510) 251-3960

GGTR Project No. 9139

Drawing By: AC

April 2010

Figure H

## 1.0 PURPOSE

This operating procedure establishes minimum procedures for protecting personnel against the hazardous properties during the performance of the removal of an underground storage tank and related activities. All employees and subcontractors of Golden Gate Tank Removal shall follow this plan. This plan is developed to work with the California Occupational Safety and Health Code to quickly prepare and issue a site safety plan for the removal of an underground storage tank and the related activities.

## 2.0 APPLICABILITY

This procedure is applicable to the removal of underground storage tanks and the related activities. Listed below are some of, but not limited to, the activities and substances that may be encountered during the project.

### Activities:

The work to be performed will include: the excavation of potentially contaminated soil in order to expose the underground storage tank, the stock piling of soil, the removal and manifested disposal of the tank, the recovery of soil samples from the excavation and stockpiled soil, and the backfill and resurfacing of the excavation.

### Substances:

- Diesel Fuel Oil (Home Heating Oil)
- Lead and Unleaded Gasoline
- Diesel Fuel
- Motor Oil (used and unused)

## 3.0 RESPONSIBILITY AND AUTHORITY

Personnel responsible for project safety are the business unit's Health and Safety Officer (HSO), the Project Manager (PM), and the Site Safety Officer (SSO).

The HSO is responsible for reviewing and approving the site safety plan and advising both the PM and SSO on health and safety matters. The HSO has the authority to audit compliance with the provisions of the site safety plan, suspend work or modify work practices for safety reasons, and to dismiss from the site any individual whose conduct on-site endangers the health and safety of themselves and/or others.

The PM is responsible for having the site safety plan prepared and distributed to all field personnel and to an authorized representative of each firm contracted to assist with the on-site work.

The SSO is responsible for assisting the PM with on-site implementation of site safety plan. The SSO may suspend work anytime he/she determines that the provisions of the site safety plan are inadequate to ensure worker safety and inform the PM and HSO of individuals whose on-site behavior jeopardizes their health and safety or the health and safety of others.

#### 4.0 HAZARD EVALUATION/CRITERIA

##### Chemical

The general types of chemical hazards associated with this project are exposure to various chemical substances, including but not limited to, petroleum hydrocarbon liquids and vapors, caustic and acidic mists, liquids and solids. Exposure to elevated levels of hydrocarbon vapors presents potential health risks that need to be properly controlled. Work practices and methods will be monitored to limit exposures. Where elevated exposures persist, respiratory protection will be the primary control method to protect personnel from inhalation of hydrocarbon vapors.

##### Physical

The general types of physical hazards associated with this project are:

- Mechanical hazards: swinging objects, machinery, etc.,
- Physical lifting, shoveling, climbing (ladder), etc.,
- Electrical hazards: buried cables and overhead power lines,
- Thermal hazards: heat stress, and heat exhaustion
- Acoustical hazards: excessive noise created by machinery.

##### Flammability

The general types of flammable hazards associated with this project are fire hazards: natural gas and product lines, flammable petroleum hydrocarbons, and motor driven equipment.

Petroleum distillate fuels possess two intrinsic hazardous properties, namely, flammability and toxicity. The flammable property of the oil and fuels presents a far greater hazard to field personnel than toxicity because it is difficult to protect against and can result in catastrophic consequences. Being Flammable, the vapors of volatile components of crude oil and the fuels can be explosive when confined.

Eliminating any one of the three factors needed to produce combustion can minimize the probability of fire and explosion. Two of the factors, ignition source and vapor concentration, can be controlled in many cases. Prohibiting open fires and smoking on-site, installing spark arrestors on engines and turning off engines when fuel is approached can

control ignition. Introducing dry ice (solid carbon dioxide) in the tank can reduce vapor concentrations in the headspace; the carbon dioxide gas will displace the combustible vapors.

---

## 5.0 HEALTH AND SAFETY DIRECTIVES

### Site-Specific Safety Briefing

Before fieldwork begins, all field personnel, including subcontractor employees must be briefed on their work assignments and safety procedures contained in this document.

### Personal Protective Equipment

Each field team member shall have on-site, before the commencement of work, the following personal protective equipment:

- NIOSH-approved full or half face respirator with organic vapor cartridges (cartridges will be supplied pending the work criteria).
- Hard-hat and safety vest
- Leather work boots, steel toed boots are strongly suggested
- Leather work gloves
- Ear protection, earphone type or ear plugs
- Eye protection, safety glasses and splash proof goggles

### Equipment Usage

Hard-hats and safety vests must be worn at all times when on the job site.

Safety goggles must be worn when working within 10 feet of any operating heavy equipment (e.g., jackhammer, and backhoe). Splash-proof goggles or face shields must be worn whenever product quantities of fuel are encountered.

Respirators must be worn whenever total airborne hydrocarbon levels in the breathing zone of field personnel reach or exceed a 15-minute average of 25 ppm. If total airborne hydrocarbons in the breathing zone exceed 100 ppm, work must be suspended, personnel directed to move a safe distance from the source, and the HSO or designee consulted.

Chemical-resistant safety boots must be worn during the performance of work where surface soil is obviously contaminated.

### Monitoring

Personal exposure to ambient airborne hazards will be monitored to assure that personnel exposures do not exceed acceptable limits and that appropriate selection of protective equipment items is made. If concentrations approach

## 6.0 SAFETY AND HEALTH TRAINING

Each individual on the job site should have been or is preparing to attend the 40 hr. Hazardous Materials Handling Course as required by the California Occupational Safety and Health Association. In addition, the HSO conducts Bi-weekly health and safety meetings.

Each morning before fieldwork begins, all field personnel, including subcontractor employees, must attend the site-specific safety briefing at their work site to receive assignments and safety procedures.

## 7.0 RECORD KEEPING REQUIREMENT

The following record keeping requirements will be maintained in the program file indefinitely. The particular organization responsible for these records is also listed.

- Copy of this Health and Safety Plan - Golden Gate Tank Removal.
- Health and Safety Training Certification Form for Site Safety Officer -- Golden Gate Tank Removal.
- Any accident/illness report forms -- All Parties.
- Personal sampling results -- Golden Gate Tank Removal.
- Documentation of employee's medical ability to perform work and wear respirators -- All parties.

Prepared By:

 Annette Chen

Digitally signed by Annette  
Chen  
DN: cn=Annette Chen, c=US  
Date: 2010.04.14 11:27:44  
+0700

Annette Chen  
Golden Gate Tank Removal, Inc.