



January 28, 2011

Ms. Sheryl Skillern
Oakland Fire Department
Hazardous Materials Management Program
250 Frank H. Ogawa Plaza, #3341
Oakland, CA 94612

**Subject: Application for Underground Storage Tank Removal
Former F&M Auto Service UST Site
1839 Foothill Boulevard
Oakland, California 94606**

Dear Ms. Skillern:

On behalf of Ms. Mary Wright, current property owner, and Mr. James Balsley, prospective property owner, (Owners) Sierra West Consultants, Inc. (Sierra West) is pleased to provide this application to remove underground storage tanks (UST) at the Former F&M Auto Service UST Site located at 1839 Foothill Boulevard, Oakland, Alameda County, California. This application package has been assembled pursuant to your letter, dated October 28, 2010. Specifically, the following items are included:

1. Application for Permit to Install, Remove, or Repair Tanks In the City of Oakland;
2. Facility Information and supporting pages;
3. Tanks Information pages;
4. CEDA Permit Application for demolition of existing buildings;
5. City of Oakland Business License for Sierra West Consultants, Inc.
License No. 28012697
6. Application for California Hazardous Waste ID Number;
7. Documentation of property ownership: The Estate of Mary L. Wright with
Mary Kiesha Wright as the court appointed Administrator;
8. Updated Work Plan for Underground Storage Tank Removal, dated
December 10, 2010, which includes the tank removal scope of work;
9. Project Schedule;
10. Sampling Plan, summarizing information presented in the Work Plan;
11. Site Specific Health and Safety Plan, prepared by Sierra West Consultants, Inc.
12. Contractor's licenses for Sierra West Consultants and Element 26 Contracting, Inc.
13. Certificate of Workers Compensation insurance for the excavation contractor,
Element 26 Contracting. Sierra West is a small business without employees and therefore
not required to have workers compensation insurance.
14. The UST Removal fee of \$1,207.50 for four (4) tanks.



Sierra West trusts this information is sufficient for your needs. We look forward to working with the Oakland Fire Department to remove these USTs as efficiently as practical. Please contact me if you have any questions.

Sincerely,

Jeffrey C. Bensch, P.E.
Principal Engineer

Cc: Mary Wright
James Balsley
Marisa Rodarte

attachments

CITY OF OAKLAND
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Suite 3341
Oakland, California 94612-2032
(510) 238-3851

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS
In the CITY OF OAKLAND

Request Submittal Date: January 28, 2011

PLEASE CIRCLE APPROPRIATE ACTIONS: Application is hereby made for permit to:

(a) Remove (b) Install (c) Repair (d) Modify (e) Abandon/Close in Place A

(a) Gasoline (b) Fuel oil (c) Diesel (d) _____ tank(s) and excavate, commencing:

(a) four feet inside the curb line* (b) inside the property line (c) aboveground (d) underground tank(s)
*inside curb line, please attach copy of sidewalk/excavation permit from PLANNING AND BUILDING

on the _____ South side of Foothill Boulevard St.Ave. 10 feet west of 19th St. Ave.

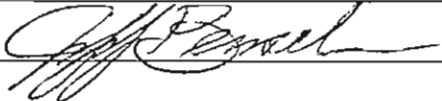
Site Address: 1839 Foothill Boulevard, Oakland, CA 94606 Present storage none

Owner: Mary Wright Address 1829 9th Avenue, Oakland, CA 94606 Phone 510-891-1395

Applicant: Sierra West Consultants, Inc. Address 4227 Sunrise Boulevard, Suite 220 Phone 916-863-3220
Fair Oaks, CA 95628

Sidewalk surface to be disturbed X Number of Tanks 4 Capacity 1,000 Gallons ea.

Remarks Work is being performed pursuant to Oakland Fire Department Notice to Comply, dated May 19, 2010

Signature 

PLEASE ATTACH/SUBMIT: (All applicants must have a City Business License Permit)

- (2) Copies of Closure Plans for underground tank removal (s)
- (2) Sets of plans and (1) copy of specifications for above ground tank removal
- (2) Sets of plans and (2) sets of application packets for underground tank installation/modifications
- (2) Sets of plans for aboveground tank installation and specifications
- copy or prepare to show Planning and Building approval for aboveground tank removal and tank repair

NOTE: FOR TANK INSTALLATION PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

FOR OFFICE USE ONLY

Permit No. _____ Amt. Recv'd _____ Date Issued: _____

Copies to: Electrical Inspection ck# _____ Cash _____

Receipt# _____ Recv'd by: _____

FACILITY INFORMATION

Facility/Residence Name Former F&M Auto Service UST Site Business Type Abandoned Gas Station
Site Address 1839 Foothill Boulevard City Oakland Zip 94606
Contact Person Jeff Bensch Title Project Manager Phone 916-863-3220
E-Mail jbensch@sierra-west.net Cell Phone 916-207-5706
Owner, Agency, or Corporation Name Mary Wright Phone 510-891-1395
Mailing Address 1829 9th Avenue City Oakland State CA Zip 94606
EPA ID Number In Process, see attached application
Note: Include "Proof of Financial Responsibility"
Letters of Administration and Tax Statement are attached

CONTRACTOR REMOVING TANK(S) AND PIPING:

Contractor Sierra West Consultants, Inc.
Contract Person Jeff Bensch Phone 916-863-3220
Business Address 4227 Sunrise Boulevard, #220 City Fair Oaks, CA Zip 95628
State Contractors License No. 863096
Note: Attach a copy of Contractors License, Hazardous Materials Certification, and Workers Compensation

HAZARDOUS WASTE HAULERS:

Hazardous Waste Hauler, Tank(s) Element 26 Contracting, Inc. EPA ID # CAR000214775
Business Address 3480 Sunrise Boulevard, #250 City Rancho Cordova
Contact Josh Bryant or David Ferguson Phone 916-295-1130
Tank(s) and piping destination Schnitzer Steel (for recycling, Oakland, CA 94607)
Hazardous Waste Hauler (Rinsate) Safety-Kleen EPA ID # TXR000050930
Business address 1147 N. 10th Street City San Jose
Contact Joe Baker Phone 408-294-8778
Note: Include Hauler License No. 940594 License Exp. Date 12/31/2011

Rinsate Contractor: 130836

8/31/2011

SAMPLE COLLECTION AND ANALYSIS:

Sample Collector Jeff Bensch, or representative Company Sierra West Consultants
Address 4227 Sunrise Blvd #220 City Fair Oaks, CA Phone 916-863-3220
Soil/Water Analysis Laboratory Accutest Laboratories
State certification No. 08258CA Contact Simon Hague Phone 408-588-0200
Business Address 2105 Lundy Avenue City San Jose, CA Zip 95131

TANK(S) INFORMATION

TANK SYSTEM: SIZE (GALLONS)	TANK CONSTRUCTION	SUBSTANCE(S) PREVIOUSLY CONTAINED
TANK 1 <u>1,000</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>
TANK 2 <u>1,000</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>
TANK 3 <u>550</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>
TANK 4 <u>Unknown</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>

**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.		
<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: 430b.	

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only)	1.
BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) <i>Former F+M Auto Service UST Site</i>	3.
BUSINESS SITE ADDRESS 103. CITY 104. <i>1839 Foothill Boulevard</i> <i>Oakland, CA 94606</i>	

II. TANK DESCRIPTION

TANK ID # 432. <i>1</i>	TANK MANUFACTURER 433. <i>Unknown</i>	TANK CONFIGURATION: THIS TANK IS 434. <input checked="" type="checkbox"/> 1. A STAND-ALONE TANK <input type="checkbox"/> 2. ONE IN A COMPARTMENTED UNIT Complete one page for each compartment in the unit.
DATE UST SYSTEM INSTALLED 435. <i>Unknown</i>	TANK CAPACITY IN GALLONS 436. <i>1,000</i>	NUMBER OF COMPARTMENTS IN THE UNIT 437. <i>Unknown</i>

III. TANK USE AND CONTENTS

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 (Includes Used Oil)	<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 type="checkbox"/> 99. OTHER (Specify):	439a.
CONTENTS	PETROLEUM: <input checked="" 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	440a.
	<input type="checkbox"/> 8. PETROLEUM BLEND FUEL	<input type="checkbox"/> 9. OTHER PETROLEUM (Specify):		440a.
	NON-PETROLEUM: <input type="checkbox"/> 7. USED OIL	<input type="checkbox"/> 10. ETHANOL		440b.
	<input type="checkbox"/> 11. OTHER NON-PETROLEUM (Specify):			440b.

IV. TANK CONSTRUCTION

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 (Specify):	444a.
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 3. FIBERGLASS	<input type="checkbox"/> 6. EXTERIOR MEMBRANE LINER	445.
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	445a.
OVERFILL PREVENTION	<input checked="" 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			

V. PRODUCT / WASTE PIPING CONSTRUCTION

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 checked="" type="checkbox"/> 3. CONVENTIONAL SUCTION	458.
	<input type="checkbox"/> 4. SAFE SUCTION (23 CCR §2636(a)(1))			
PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE	464.
	<input type="checkbox"/> 90. NONE	<input checked="" type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	464a.
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE	464b.
	<input type="checkbox"/> 90. NONE	<input checked="" type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	464c.
PIPING/TURBINE CONTAINMENT SUMP TYPE	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 90. NONE	464d.
			<i>Unknown</i>	

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

VENT PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):	464e. 464e.
VENT SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):	464f. 464f.
VR PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):	464g. 464g.
VR SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):	464h. 464h.
VENT PIPING / TRANSITION SUMP TYPE	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 90. NONE	<input checked="" type="checkbox"/> 99. OTHER (Specify): <i>Unknown</i>		464i. 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 checked="" type="checkbox"/> 99. OTHER (Specify): <i>Unknown</i>	464j. 464j.
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 checked="" type="checkbox"/> 99. OTHER (Specify): <i>Unknown</i>	464k. 464k.
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.

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 3. NO DISPENSERS	<input checked="" type="checkbox"/> 90. NONE	469a.
CONSTRUCTION MATERIAL	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 99. OTHER (Specify): <i>Unknown</i>	469b. 469c.

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION	<input type="checkbox"/> 2. SACRIFICIAL ANODE(S)	<input type="checkbox"/> 4. IMPRESSED CURRENT	<input type="checkbox"/> 6. ISOLATION	<i>Unknown</i>	448.
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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.		470.
APPLICANT SIGNATURE <i>Mary K. Wright</i>	DATE <i>1/29/2011</i>	470.
APPLICANT NAME (print) <i>Mary K. Wright</i>	APPLICANT TITLE <i>Owner/Administrator</i>	472.

**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: 430b.

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) _____

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

BUSINESS SITE ADDRESS 103. CITY 104.
 1839 Foothill Boulevard Oakland, CA 94606

II. TANK DESCRIPTION

TANK ID # 2 432. TANK MANUFACTURER 433. TANK CONFIGURATION: THIS TANK IS 434.
 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 1,000 Unknown

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): 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): 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 461.
 90. NONE 95. UNKNOWN 99. OTHER (Specify): 461a.

SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 8. FLEXIBLE 10. RIGID PLASTIC 464b.
 90. NONE 95. UNKNOWN 99. OTHER (Specify): 461c.

PIPING/TURBINE CONTAINMENT SUMP TYPE 1. SINGLE WALL 2. DOUBLE WALL 90. NONE Unknown 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): 461e.
 461e1.

VENT SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): 461f.
 461f1.

VR PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): 464g.
 464g1.

VR SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): 464h.
 464h1.

VENT PIPING TRANSITION SUMP TYPE 1. SINGLE WALL 2. DOUBLE WALL 90. NONE Unknown 464i.
 464i1.

RISER PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): Unknown 464j.
 464j1.

RISER SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): Unknown 464k.
 464k1.

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): Unknown 469b.
 469c.

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 2. SACRIFICIAL ANODE(S) 4. IMPRESSED CURRENT 6. ISOLATION Unknown 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 470.

APPLICANT NAME (print) 471. APPLICANT TITLE 472.
 Mary K. Wright Owner/Administrator

**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: 430b.

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) _____ 1.

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

BUSINESS SITE ADDRESS 103. CITY 104.
1039 Foothill Boulevard *Oakland, CA 94606*

II. TANK DESCRIPTION

TANK ID # 3 432. TANK MANUFACTURER 433. *Unknown* TANK CONFIGURATION: THIS TANK IS 434.
 1. A STAND-ALONE TANK Complete one page for each compartment in the unit.
 2. ONE IN A COMPARTMENTED UNIT

DATE UST SYSTEM INSTALLED 435. *Unknown* TANK CAPACITY IN GALLONS 436. *550* NUMBER OF COMPARTMENTS IN THE UNIT 437. *Unknown*

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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):

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): 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.

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 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 [25 CCR §2634(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 *Unknown* 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 *Unknown* 464i.
 464i.

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

RISER SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): *Unknown* 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) *Unknown* 469b.
 469c.

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 2. SACRIFICIAL ANODE(S) 4. IMPRESSED CURRENT 6. ISOLATION *Unknown* 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 *Mary K. Wright* DATE *1/24/2011* 470.

APPLICANT NAME (print) *Mary K. Wright* 471. APPLICANT TITLE *Owner / Administrator* 472.

**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: 430b

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) 1.

BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3.
Former F+M Auto Service UST Site

BUSINESS SITE ADDRESS 103 CITY 104
1839 Foothill Boulevard Oakland, CA 94606

II. TANK DESCRIPTION

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

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

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): 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): 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 *Unknown* 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.
 90. NONE 99. OTHER (Specify): 464e1.

VENT SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): 464f.
 90. NONE 99. OTHER (Specify): 464f1.

VR PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): 464g.
 90. NONE 99. OTHER (Specify): 464g1.

VR SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): 464h.
 90. NONE 99. OTHER (Specify): 464h1.

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

RISER PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): *Unknown* 464j.
 90. NONE 99. OTHER (Specify): *Unknown* 464j1.

RISER SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify): *Unknown* 464k.
 90. NONE 99. OTHER (Specify): *Unknown* 464k1.

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): *Unknown* 469b.
 99. OTHER (Specify): *Unknown* 469c.

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 2. SACRIFICIAL ANODE(S) 4. IMPRESSED CURRENT 6. ISOLATION *Unknown* 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 470.
Mary K. Wright 1/24/2004

APPLICANT NAME (print) APPLICANT TITLE 472.
Mary K. Wright Owner / Administrator



PERMIT APPLICATION WORKSHEET

CEDA - Permit Center
250 Frank H. Ogawa Pl.
2nd Floor, Suite 2114
Oakland, Ca 94612
(510) 238-3891
Hours:
8 am-4pm M,Tu,Th,F
9:30 am-4 pm Wed
10 am-4 pm Last Wed

PLEASE COMPLETE ALL INFORMATION. APPLICANTS WITH INCOMPLETE WORKSHEETS MAY BE ASKED TO GET A NEW NUMBER. INACCURATE INFORMATION MAY LEAD TO SUSPENSION OF THE PERMIT. ADDITIONAL PERMITS MAY BE REQUIRED, i.e., Electrical, Plumbing, Mechanical, Sewer, Obstruction.

TYPE OF PERMIT: (circle one) RIGHT OF WAY		BUILDING Demolition	SIGN	SCHOOL FEE (SF) Commercial \$0.36 Residential \$2.24 Change of Address for Any Occupancy	ADDRESS FEE \$66.00 \$44.00 \$337.00
TYPE OF WORK (circle one)		Site Plan Review 1-4 cars \$1337.00 5-20 cars \$1590.00 21-40 cars \$1706.00 41-120 cars \$1830.00 121-300 cars \$1952.00 >300 cars \$2076.00			
(1) NEW CONSTRUCTION	(2) REPAIR	(3) ADDITION	(4) CELL SITE	(5) ALTERATION /T.I.	
(6) DEMOLITION (542 SF)	(7) SOLAR PANELS (SE)	(8) RETROFIT	(9) C.O./S.A.	(10) CHANGE IN USE	
IS THIS APPLICATION RELATED TO ANY OTHER PERMIT? TO ANY OTHER COMPLAINT?		IF YES, INDICATE PERMIT #, PLANNING CASE FILE # OR COMPLAINT #:			
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Oakland Fire Department, Permit No. 20-2178			
SITE ADDRESS/JOB LOCATION			ASSESSOR'S PARCEL NO.		
1839 Foothill Boulevard, Oakland, CA 94606			20-164-6		
DESCRIPTION OF PROPOSED WORK					
Demolish former gas station to allow removal of underground storage tanks. Environmental cleanup is necessary for any future redevelopment of the property.					
WORK IS VISIBLE FROM FREEWAY/BART		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
EXTERIOR WORK ON BUILDING		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (PHOTOS REQUIRED. PLEASE ATTACH)			
VALUATION OF PROPOSED WORK	EXISTING # OF RESIDENTIAL UNITS	# OF STORIES:	<input type="checkbox"/> SFD/DUPLEX <input type="checkbox"/> APARTMENTS <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL		
\$13,000	0	1			
	PROPOSED # OF UNITS	FIRE SPRINKLER			
	0	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
PROPERTY OWNER'S NAME			PROPERTY OWNER'S PHONE NUMBER		
Wright Mary L heirs of Estate Mary K. Wright, court appointed administrator			510-891-1395		
PROPERTY OWNER'S ADDRESS (street, city and zip code)					
1829 9 th Avenue, Oakland, CA 94606					
PERSON SUBMITTING PLANS / CONTACT PERSON		PHONE NUMBER	FAX NUMBER		
Jeffrey C. Bensch		916-863-3220	916-863-3225		
ARCHITECT'S/DESIGNER'S NAME		PHONE NUMBER	FAX NUMBER		
Sierra West Consultants, Inc. (Environmental Consultant)		916-863-3220	916-863-3225		
Element 26 Contracting (Demolition Contractor)		916-295-1130	916-295-1135		
CONTRACTOR'S LICENSE NUMBER		SIGNATURE OF APPLICANT		DATE	
Sierra West Consultants: 863096 Element 26 Contracting: 940594					

I ACKNOWLEDGE THAT REFUNDS ARE LIMITED PER Section 107.6 of O.B.C.. _____ INITIAL _____ DATE _____

THIS DOCUMENT HAS A TRUE DOCUCHECK™ WATERMARK AND VISIBLE FIBERS DISCERNIBLE FROM BOTH SIDES

**CITY OF OAKLAND
BUSINESS TAX CERTIFICATE**

**ACCOUNT
NUMBER**
28012697

The issuing of a Business Tax Certificate is for revenue purposes only. It does not relieve the taxpayer from the responsibility of complying with the requirements of any other agency of the City of Oakland and/or any other ordinance, law or regulation of the State of California, or any other governmental agency. The Business Tax Certificate expires on December 31st of each year. Per Section 85.04.190A, of the O.M.C. you are allowed a renewal grace period until March 1st the following year.

SIERRA WEST CONSULTANTS, INC.

EXPIRATION DATE
12/31/2011

BUSINESS LOCATION 4227 SUNRISE BLVD STE 220
FAIR OAKS, CA 95628-7026

BUSINESS TYPE F Professional/Semi-Professional



NAME SIERRA WEST CONSULTANTS, INC.
MAILING ADDRESS 4227 SUNRISE BLVD STE 220
FAIR OAKS, CA, 95628-7026



THIS DOCUMENT IS ALTERATION PROTECTED AND REFLECTS FLUORESCENT FIBERS UNDER UV LIGHT

Reset Form

Print

CALIFORNIA HAZARDOUS WASTE PERMANENT ID NUMBER APPLICATION

Please type or neatly print in ink. Please review the line-by-line instructions carefully.
To check on the status of your request, go to www.hwts.dlsc.ca.gov and click on Reports.

NEW NUMBER REQUESTS Check all that apply. (See Instructions.)

1. I am applying for a new permanent California ID number as a hazardous waste: Generator Transporter
Reason for new number: A. Never had a number B. Business moved C. Legal owner of business changed
If your business generates greater than 100 kg of RCRA hazardous waste per month, contact US EPA for a federal ID number.

CHANGES TO STATUS OR INFORMATION FOR AN EXISTING ID NUMBER (See instructions.)

For existing ID number: CA

2. I am updating the mailing address and/or contact information only.
 3. I am inactivating this ID Number.
 4. I am reactivating this ID Number.
 5. I am changing the business name only, no ownership change.

6. Site/Facility/Business Name (Include DBA): Former F&M Auto Service UST Site (See instructions.)

7. Site Location: 1839 Foothill Boulevard
Street: Oakland City: Oakland State: CA Zip: 94606 County: Alameda
8. (a) Federal Employer ID Number: _____ Board of Equalization Fee Account Number: TY (TK) HQ44-035365
((b) is only required from generators of greater than 5 tons per calendar year.)

9. Mailing Address: 1829 9th Avenue (See instructions.)

Street: Oakland City: Oakland State: CA Zip: 94606

10. Site Contact Person: Mary Wright (See instructions.)

First Name: Mary Last Name: Wright

Contact Person Address: 1829 9th Avenue
Street: Oakland City: Oakland State: CA Zip: 94606

Contact Person Phone Number: (510) 891-1395 Fax Number: () NA
Area Code Phone Number Area Code Fax Number

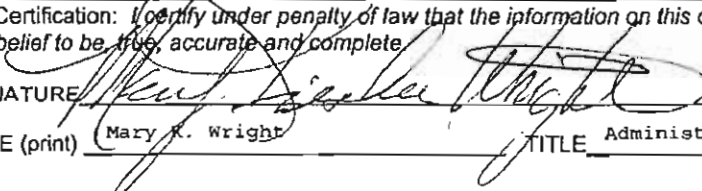
Contact Person Business Email Address: ksaveourkids@aol.com Preferred Primary Communication: Mail Email

11. Legal Business Owner (not property owner): Wright Mary L. Heirs of Estate (See instructions.)

Owner Address: 1829 9th Avenue Name: Wright Mary L. Heirs of Estate
Street: Oakland City: Oakland State: CA Zip: 94606
Owner Phone Number: (510) 891-1395 Fax Number: () NA
Area Code Phone Number Area Code Fax Number

12. Standard Industrial Classification (SIC) Code for the Site: 5 5 4 1 (4-Digit Number) (See instructions.)

13. Certification: *I certify under penalty of law that the information on this document was prepared to the best of my knowledge and belief to be true, accurate and complete.*

SIGNATURE:  DATE: 1/29/2011
NAME (print): Mary K. Wright TITLE: Administrator of Estate PHONE: 510-891-1395

George A. McNitt
ATTORNEY AT LAW

827 Broadway
Suite 200
Oakland, CA 94607
(510) 444-0800
Fax (510) 465-1732

January 18, 2011

FAX Transmittal Cover Sheet	
TO: Jeff Bench	
RE: Mary Kiesha Wright / Estate of Mary Wright	
FAX #: (916) 863-3225	# of Pages Including Cover: 2

Mr. Bench -

Attached is a copy of the Letters of Administration for my client Mary Kiesha Wright. This documents shows that my client is the court appointed Administrator for her mother's Estate, the owner of property at 1839 Foothill Blvd., Oakland.

If you have any questions about this document or my client's interest in the property, please contact me.

Thank you,

George A. McNitt

IF THERE ARE ANY PROBLEMS WITH RECEIVING THIS FAX, PLEASE CALL
(510) 444-0800

And we will be glad to help you. Thank you!

6383220

ATTORNEY OR PARTY WITHOUT ATTORNEY (Name, bar number, and address):

TELEPHONE AND FAX NUMBER:

FOR COUNTY OF ALAMEDA

George A. McNitt (State Bar # 154337)
Attorney at Law
827 Broadway, Suite 200
Oakland, CA 94607

(510) 444-0800
(510) 465-1732

FILED
ALAMEDA COUNTY
2008 JUN 24 AM 9:56
CLERK OF THE SUPERIOR COURT
B. Deborah Lopez
DEPUTY

ATTORNEY FOR (Name): Mary Kiesha Wright
SUPERIOR COURT OF CALIFORNIA, COUNTY OF ALAMEDA

STREET ADDRESS: 2120 Martin Luther King, Jr. Way
MAILING ADDRESS: 2120 Martin Luther King, Jr. Way
CITY AND ZIP CODE: Berkeley 94704
BRANCH NAME:

ESTATE OF (Name):
Mary L. Wright
DECEDENT

LETTERS
 TESTAMENTARY
 OF ADMINISTRATION WITH WILL ANNEXED
 OF ADMINISTRATION
 SPECIAL ADMINISTRATION

CASE NUMBER:
RP08386378

- LETTERS**
- The last will of the decedent named above having been proved, the court appoints (name):
 - executor.
 - administrator with will annexed.
 - The court appoints (name):
Mary Kiesha Wright
 - administrator of the decedent's estate.
 - special administrator of decedent's estate
 - with the special powers specified in the *Order for Probate*.
 - with the powers of a general administrator.
 - letters will expire on (date):
 - The personal representative is authorized to administer the estate under the Independent Administration of Estates Act with full authority with limited authority (no authority, without court supervision, to (1) sell or exchange real property or (2) grant an option to purchase real property or (3) borrow money with the loan secured by an encumbrance upon real property).
 - The personal representative is not authorized to take possession of money or any other property without a specific court order.

- AFFIRMATION**
- PUBLIC ADMINISTRATOR: No affirmation required (Prob. Code, § 7621(c)).
 - INDIVIDUAL: I solemnly affirm that I will perform the duties of personal representative according to law.
 - INSTITUTIONAL FIDUCIARY (name):

I solemnly affirm that the institution will perform the duties of personal representative according to law. I make this affirmation for myself as an individual and on behalf of the institution as an officer.
(Name and title):

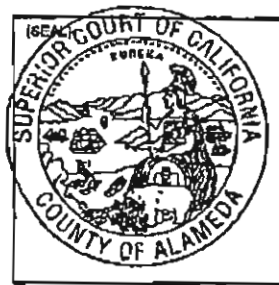
4. Executed on (date): **May 6, 2008**
at (place): **Oakland**, California.

Mary Kiesha Wright
(SIGNATURE)

CERTIFICATION

I certify that this document is a correct copy of the original on file in my office and the letters issued the personal representative appointed above have not been revoked, annulled, or set aside, and are still in full force and effect.

WITNESS, clerk of the court, with seal of the court affixed.



Date: **JUN 24 2008**
Clerk, by **PAT S. SWEETEN**
Deborah Lopez
(DEPUTY)

(SEAL)

Date:
Clerk, by
(DEPUTY)

Form Approved by the Judicial Council of California
CS-130 (Rev. January 1, 1998)
Mandatory Form [1/1/2000]

LETTERS
(Probate)

Probate Code §§ 1001, 8403, 8405, 8544, 8545
Code of Civil Procedure, § 2018.5

ALAMEDA COUNTY
SECURED PROPERTY TAX STATEMENT
 Donald R. White, Treasurer and Tax Collector
 1221 Oak Street
 Oakland, California 94612-4285

Parcel Number	Tracer Number	Tax-Rate Area	Special Handling
20-164-6	044203	17-045	970 970

Location of Property
 1839 FOOTHILL BLVD
 Assessed to on January 1, 2009
 WRIGHT MARY L HEIRS OF EST

WRIGHT MARY L HEIRS OF EST
 1829 9TH AVE
 OAKLAND CA 94606-3019



Tax-Rate Breakdown		
Taxing Agency	Tax Rate	Tax Amount
COUNTYWIDE TAX	1.0000%	667.08
VOTER APPROVED DEBT SERVICE :		
CITY OF OAKLAND 1	.2189%	146.01
SCHOOL UNIFIED	.1259%	83.99
SCHOOL COMM COLL	.0430%	28.68
BAY AREA RAPID TRANSIT	.0057%	3.80
EAST BAY REGIONAL PARK	.0108%	7.20
EBMUD SPEC DIST 1	.0065%	4.34
TOTAL	1.4108%	941.10

Fixed Charges and/or Special Assessments		
Description	Phone	Amount
MOSQUITO ABATEMENT	(800)273-5167	1.74
CSA PARAMEDIC	(800)441-8280	51.90
CSA VECTOR CONTROL	(800)273-5167	14.40
CITY EMERG MEDICAL	(510)238-7472	24.12
CITY PARAMEDIC SRV	(510)238-7472	19.20
SCHOOL MEASURE E	(510)879-8155	195.00
VIOLENCE PREV TAX	(510)238-7472	110.34
FLOOD BENEFIT 12	(510)670-5762	32.00
CSA VECTOR CNTRL B	(800)273-5167	2.04
MOSQUITO ASSESS 2	(800)273-5167	1.24
AC TRANSIT MEAS VV	(877)299-1190	96.00
CITY LIBRARY SERV	(510)238-7472	103.48
EBMUD WETWEATHER	(510)287-1852	96.06
EAST BAY TRAIL LLD	(800)273-5167	5.44
CITY LANDSCP/LIGHT	(510)238-7472	267.90
Total Fixed Charges and Special Assessments		1,020.86

Tax Computation Worksheet			
Description	Full Valuation	x Tax Rate	= Tax Amount
LAND IMPROVEMENTS	31,838		
FIXTURES	34,870		
TOTAL REAL PROPERTY	66,708		
PERSONAL PROPERTY			
GROSS ASSESSMENT & TAX	66,708	1.4108%	941.10
HOMEOWNERS EXEMPTION			
OTHER EXEMPTION			
NET ASSESSMENT AND TAX	66,708	1.4108%	941.10
			941.10
First Installment	Second Installment	Total Amount Due	
\$980.98	\$980.98	\$1,961.96	

PLEASE READ IMPORTANT MESSAGES

- Return Check Charge \$25.00 - \$35.00
- ** URGENT REMINDER ****
UNPAID prior year taxes. Call 510-272-6800.

- E-CHECK ACCEPTED
ONLINE @ www.acgov.org THROUGH JUNE 30, 2010
- CREDIT CARD (AMEX, VISA, MASTERCARD, DISCOVER) ACCEPTED BY PHONE (510) 272-6800 OR ONLINE @ www.acgov.org THROUGH JUNE 30, 2010.
A CONVENIENCE FEE EQUAL TO 2.5% OF THE TAX AMOUNT DUE WILL BE ADDED TO YOUR TOTAL PAYMENT.
- SUBSCRIBE TO RECEIVE E-MAIL ALERTS ABOUT IMPORTANT PROPERTY TAX DATES
ONLINE @ www.acgov.org/propertytax.htm

PLEASE SEE REVERSE FOR MORE INFORMATION

- Tax Collector's Office
Payment Questions/Credit Card Payments
(510) 272-6800
- Assessor's Office
Valuation/Exemption
(510) 272-3787 (510) 272-3770

SECOND INSTALLMENT PAYMENT, 2009-2010 2
 PARCEL NO. 20-164-6
 TRACER NO. 044203

2

THIS AMOUNT DUE FEB. 1, 2010 → \$980.98

Pay this amount after APRIL 10, 2010
 (This includes delinquent penalty of 10%
 and \$10.00 cost)
 \$1,089.07

Do Not Use This Stub After
 June 30, 2010
 SEND THIS STUB WITH
 YOUR SECOND PAYMENT

Make checks payable to: Donald R. White, Tax Collector, Alameda County

72010 9044203002 7000098098 00000000

FIRST INSTALLMENT PAYMENT, 2009-2010 1
 PARCEL NO. 20-164-6
 TRACER NO. 044203

1

THIS AMOUNT DUE NOV. 1, 2009 → \$980.98

Pay this amount after DECEMBER 10, 2009
 (This includes delinquent penalty of 10%)
 \$1,079.07

Do Not Use This Stub After
 June 30, 2010
 SEND THIS STUB WITH
 YOUR FIRST PAYMENT

Make checks payable to: Donald R. White, Tax Collector, Alameda County

72010 1044203001 7000098098 00000000



March 2, 2011

Ms. Sheryl Skillern
Oakland Fire Department
Hazardous Materials Management Program
250 Frank H. Ogawa Plaza, #3341
Oakland, CA 94612

**Subject: Updated Work Plan for Underground Storage Tank Removal
Former F&M Auto Service UST Site
1839 Foothill Boulevard
Oakland, California 94606**

Dear Ms. Skillern:

On behalf of Ms. Mary Wright, current property owner, and Mr. James Balsley, prospective property owner, (Owners) Sierra West Consultants, Inc. (Sierra West) is pleased to provide this updated work plan as partial fulfillment of the Oakland Fire Department's (OFD) notice to comply, dated May 19, 2010 for Permit No. 20-2178. This work plan incorporates comments provided by OFD in your letter dated October 28, 2010, and e-mail dated March 1, 2011.

The notice to comply required obtaining permits and removing the underground storage tanks (USTs), assessing the site, and cleaning any contamination found at the subject property (Figure 1). This work plan outlines the requirements to obtain permits and remove the USTs.

1.0 CURRENT UST STATUS

The USTs were used to store various grades of gasoline for a gasoline service station that is estimated to have been constructed sometime during the 1950's. The service station ceased operation in 1995 and an auto detailing service operated at the property from 1997 through 2001. The property has been unoccupied since 2001.

Prior to initiating field activities, Sierra West will work with the OFD to obtain information on the USTs, including installation dates, sizes, materials of construction, and any closure activities that may have been conducted. Absent of any additional information, the approximate tank locations are shown on Figure 2.

Two abandoned buildings are located on the property in the immediate vicinity of the USTs. As such, these buildings will need to be removed prior to removing the USTs. Given the age of the buildings, asbestos and lead-based paint surveys will be needed prior to any demolition work.

2.0 PROJECT PLANNING

Project planning includes conducting asbestos and lead-based paint surveys, preparing a health and safety plan, implementing erosion control measures, locating buried utilities and obtaining necessary permits.

Asbestos and Lead-Based Paint.

The asbestos survey will be conducted by a State of California certified asbestos consultant (CAC) in accordance with Bay Area Air Quality Management District requirements. The results will be provided in a written report containing the findings, including laboratory test results, locations of the asbestos containing materials (if any), and approximate quantities.

The lead-based paint inspection will consist of collecting chip samples and performing laboratory analyses. The results will be evaluated by a State-certified Lead Inspector/Assessor and be transmitted in a letter report.

Should the asbestos survey or lead-based paint inspection show positive results, then an abatement plan with specific protocols will be developed by the CAC for the demolition activities in accordance with local, State, and Federal regulations. These protocols will be incorporated into the scope of work and demolition contractor requirements.

Health and Safety Plan

Sierra West will prepare a health and safety plan for the building demolition and tank removals. Effective planning and procedures will be used to identify unsafe conditions and implement a proactive approach to site safety. The health and safety plan will be prepared in general accordance with requirements set forth in Title 29 of the Code of Federal Regulations, Part 1910.120 (29CFR1910.120) and Title 8 of the Code of California Regulations, Section 5192 (8CCR5192).

Erosion Control

The former F&M Auto Service property is relatively flat, nearly 100% paved with asphalt or concrete, and 0.9 acres in area. As such, erosion is expected to be minimal. Nonetheless, excavation activities are likely to occur during the rainy season and measures will be taken to limit erosion from disturbed areas and stockpiles.

The extent of disturbed area will be minimized by working on one building or UST at a time to the extent practical. As such, the maximum open excavation area is expected to be less than 1,000 square feet. Each disturbed area will have erosion control wattles placed at the downstream edge of the property and work activities will be stopped during precipitation events that cause runoff.

Permits and Buried Utilities

Building demolition permits will be obtained from the City of Oakland and Alameda County, and the Bay Area Air Quality Management District (BAAQMD) will be notified of the planned demolition and tank removal activities. An Underground Storage Tank System Closure Permit Application (Appendix A) will be submitted to the City of Oakland Office of the Fire Marshall. Tank removal activities will begin following receipt of the tank closure permit.

Underground Service Alert (USA) will be notified at least 48 hours prior to starting excavation work so that they can mark utilities in the vicinity of the work. An independent utility locator will also be contracted to locate buried utilities at the property.

3.0 BUILDING DEMOLITION

Given the age of the buildings, it is anticipated that approximately 15% of the waste materials will be disposed of as hazardous waste. Also based on the building ages, asbestos abatement measures for the structures are anticipated.



Utility disconnects will be provided to services that are not electrical or natural gas by cutting or capping lines or piping. Electrical or natural gas connections will be coordinated through the service providers.

Demolition will commence after the structures have been properly abated or signed off by the CAC as non-impacted. The structures will be razed in a manner that will enhance waste stream diversion. Segregation and handling protocols will be employed to maximize recycling opportunities.

Following abatement and building removal activities, the CAC will perform post-abatement testing to verify that no residual asbestos or lead-based paint materials are remaining. A PCM clearance will be provided for the site when the abatement work is completed.

A letter report will be prepared to document field activities, testing results, and disposal methods. The destination, method of reuse, recycling, or disposal of wastes, including the rationale for disposal, will be documented in the report. The name and address of the site will be included, as well as method of packaging of materials and wastes to comply with the local, state, and federal requirements. Copies of signed manifests, land disposal restriction forms, waste profile sheets, laboratory test results, photographs, and other pertinent information will be included in the letter report.

4.0 TANK REMOVAL

Sierra West will obtain the required tank removal permit from the OFD before proceeding with the work. Sierra West will also notify the Bay Area Air Quality Management District (BAAQMD). The work will be conducted in accordance with BAAQMD Regulation 8 Organic Compounds, Rule 40 Aeration of Contaminated Soil and Removal of Underground Storage Tanks (Appendix B).

Two fire extinguishers with a minimum rating of 20 BC will be maintained within 50 feet of work operations. A NO SMOKING sign will be posted at the Site. No welding or other ignition sources will be present during tank removal.

The tanks will be inspected to verify that no liquids are present. If present, liquids and sludge will be removed to the greatest extent possible with a system pump and hand pump. The tanks will be triple-rinsed. All liquids removed from the underground storage tanks including rinsate are considered hazardous waste and will be handled and disposed of appropriately. After triple rinsing, all tanks will be temporarily purged of flammable vapors with solid carbon dioxide (dry ice) at a ratio of 25 pounds of dry ice per 1,000 gallons of tank volume. Dry ice will be deposited in all appropriate tank openings at least 1.5 hours prior to tank removal to insure sufficient purging and venting. Only dry ice will be used to purge vapors.

A photoionization detector (PID) will be used to evaluate the tank vapors. If hydrocarbon concentrations are greater than 5,000 ppm expressed as methane, then the Oakland Fire Department will be notified before continuing. The contaminated vapors shall be removed by vapor freeing or ventilation methods in accordance with BAAQMD regulations prior to excavation activities until hydrocarbon concentrations are less than 5,000 ppm expressed as methane, or as otherwise instructed by the Oakland Fire Department.

Immediately prior to tank removal, the lower explosive limit (LEL) and oxygen levels (O₂) inside the tank will be measured with a metering device designed and calibrated to accurately assess those indicators. The tanks will be made inert or be degassed to either of the following standards:

- A. The concentration of flammable vapor will not exceed 10% of the LEL of the hazardous material, or
- B. The oxygen concentration will not exceed 5%.

A PID will be used to monitor the work area and the excavated soil for the presence of hydrocarbons. If impacted soils are encountered, then the BAAQMD will be notified and appropriate procedures will be followed to ensure compliance Regulation 8, Rule 40.

Excavated soil will be stockpiled on impervious material directly adjacent to or in the immediate vicinity of the tank excavation. The soils will be securely covered with a material impervious to inclement weather.

Depth to groundwater varies throughout the year between five and 15 feet below ground surface. Excavation activities prior to the rainy season may experience lower groundwater elevations than during the winter and spring months. As such, it is uncertain whether dewatering of the excavations will be necessary, although it is expected. Any groundwater removed from the excavations will be contained for profiling and appropriate disposal.

The excavations will be conducted in accordance with California Division of Occupational Safety and Health (Cal/OSHA) requirements. Shoring is not anticipated and it is expected that the excavations can have sloped sidewalls to maintain stability. Entrance into the excavations is not expected, although if necessary, confined space permitting will be required.

5.0 SAMPLING AND ANALYSIS PLAN

Soil samples will be collected from the excavations to evaluate whether chemical impacts are present in the subsurface. A minimum of two soil samples will be obtained from the bottom of each excavation, one at each end of each tank, as well as selected sidewall samples if determined necessary in the field. Approximately two feet of native soil will be removed prior to collecting the soil samples. If groundwater or staining is observed in the tank excavation, groundwater and/or additional soil samples may be required and will be collected as instructed by OFD personnel. If piping is present, soil samples will also be collected every 20 feet along the piping and at pipe fittings.

Soil samples from the UST excavation will be brought to the surface using a backhoe or excavator and will be collected by field personnel from the backhoe or excavator bucket. Soil samples from beneath piping (if applicable) will be obtained with the backhoe/excavator or alternatively by hand augering to the appropriate depth. Soil samples will be collected by driving a pre-cleaned, brass or stainless-steel sample liner into the soil until full. Following sample collection, the ends of the liner will be covered with Teflon® sheets, capped with polyethylene lids, and then sealed with duct tape.

If groundwater is present in the UST excavation, a sample will be collected for laboratory analysis. The grab groundwater sample will be collected using a disposable bailer or a dipper/sampler on an extension pole. Water samples will be placed in sample containers appropriate to the required analyses.

Once collected, the soil and groundwater samples will be labeled and immediately placed in an ice-cooled, insulated chest. A chain-of-custody record will be completed for the samples and will accompany the samples until receipt by the laboratory.

The soil sample(s) and groundwater sample (if collected) will be submitted to a California-certified laboratory to be analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene,

ethylbenzene and total xylenes (BTEX), and methyl-tert butyl ether (MTBE) by EPA Method 8260B, and total lead by EPA Method 6010.

6.0 CONTINGENCY FOR ADDITIONAL EXCAVATION

If impacted soil is encountered in the tank excavation, additional excavations may be conducted, with approval from the Owners and OFD, to efficiently address residual contamination. In such case, BAAQMD would be notified and appropriate procedures would be followed to ensure compliance with BAAQMD Regulation 8/Rule 40.

7.0 PROFILING AND DISPOSAL

The emptied tanks will be rendered non-reusable while on-site. The removed underground storage tanks are considered hazardous waste and will be transported and disposed of accordingly. The tank will be transported under hazardous waste manifest to a state-permitted TSD facility.

One composite soil sample from the stockpiled soil and one sample from collected groundwater will be analyzed and used for disposal evaluation. Samples will be analyzed using the methods listed in Section 5.0, and additional methods as needed to meet the profile requirements of the selected disposal facility. If the analytical results indicate that the tank contents and/or excavated soil are non-hazardous, then these materials will be transported to an approved landfill or treatment facility. A non-hazardous manifest or weight ticket from the receiving facility will be used to document the disposal. However, if the analytical results indicate that the tank contents and/or excavated soil are hazardous, then these materials will be transported under uniform hazardous waste manifest to an approved landfill or treatment facility.

8.0 EXCAVATION BACKFILL

The tank excavation will be backfilled and compacted using clean imported backfill consisting of aggregate base, pea-gravel, or crushed rock. With OFD approval, excavated tank overburden material may be re-used for backfill if laboratory results are available and indicate that all analyzed constituents in the material are below applicable clean-up standards. The surface pavement will not be restored and the property will be left vacant for future redevelopment.

9.0 REPORTING

A tank closure report will be prepared documenting tank removal activities, conditions observed at the Site, and the soil and groundwater sampling methods and results. The report will include a written overview of procedures and activities, figures and tables as necessary for clarity of presentation, copies of chain-of-custody records and laboratory analysis reports, and copies of permits. Documentation of proper disposal activities will be also be provided in the report.

This work is anticipated to be conducted under a grant provided by the State of California through the Orphan Site Cleanup Fund (OSCF) program. As an initial step, approval of this work plan is required prior to completing the grant agreement. The Owners are prepared to begin work immediately following receipt of the OSCF grant. As such, your timely review and approval are appreciated.



If you have any questions, please contact Jeff Bensch at 916-863-3220.

Sincerely,
Sierra West Consultants, Inc.

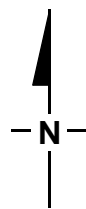
Jeffrey C. Bensch, P.E.
Principal Engineer

Cc: Mary Wright
James Balsley
Marisa Rodarte, OSCF

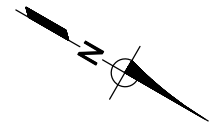
Attachments



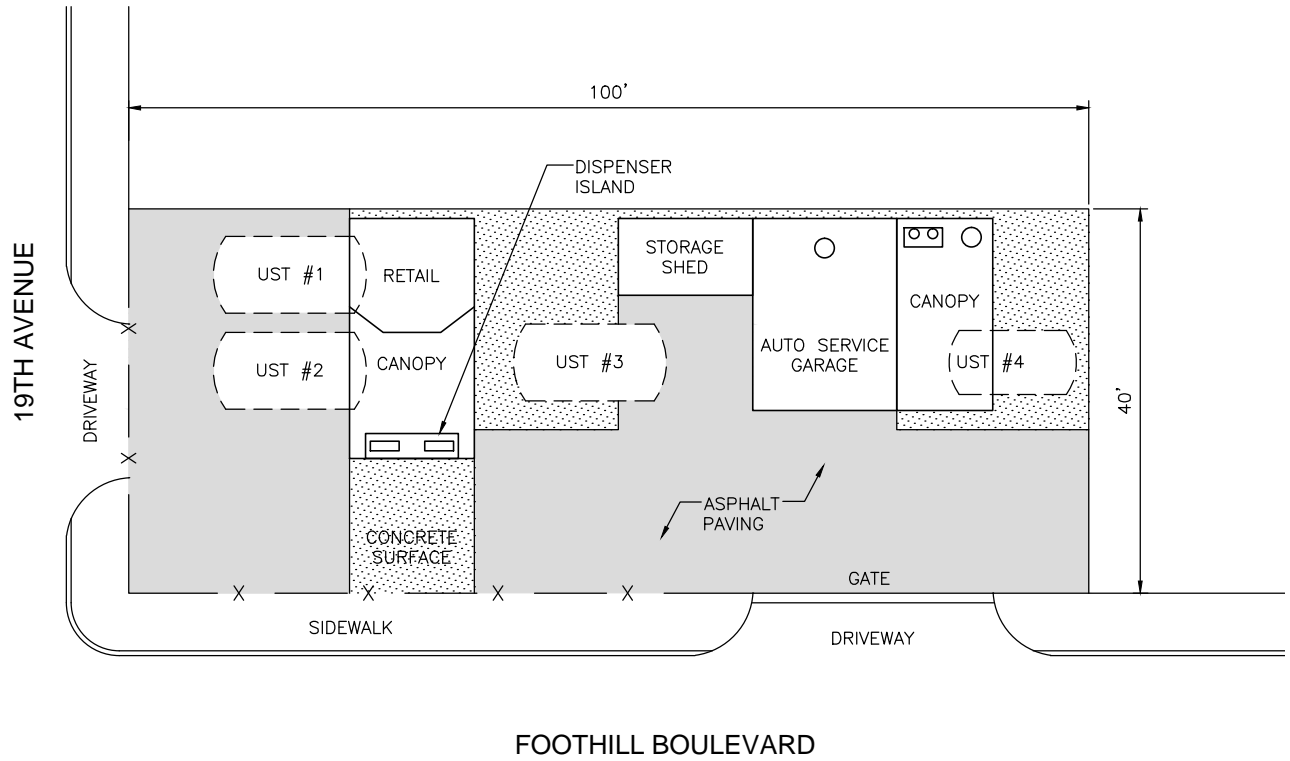
REFERENCE: GOOGLE MAPS




TITLE: SITE LOCATION MAP	
LOCATION: 1839 Foothill Blvd., Oakland, CA 94606	
 SIERRA WEST CONSULTANTS, INC.	FIGURE: 1



SCALE: 1"=20'



TITLE:	SITE PLAN	
LOCATION:	1839 Foothill Blvd., Oakland, CA 94606	
	 SIERRA WEST CONSULTANTS, INC.	FIGURE: 2

APPENDIX A

Application Packet for
Underground Storage Tank Removal
In the City of Oakland

**APPLICATION PACKET
FOR
UNDERGROUND STORAGE TANK
REMOVAL
In the CITY OF OAKLAND**

**OAKLAND FIRE DEPARTMENT
Fire Prevention Bureau
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612**

Phone (510) 238-3927

Fax (510) 238-6739

FACILITY INFORMATION

Facility/Residence Name _____ Business Type _____
Site Address _____ City _____ Zip _____
Contact Person _____ Title _____ Phone _____
E-Mail _____ Cell Phone _____
Owner, Agency, or Corporation Name _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____
EPA ID Number _____
Note: Include "Proof of Financial Responsibility"

CONTRACTOR REMOVING TANK(S) AND PIPING:

Contractor _____
Contract Person _____ Phone _____
Business Address _____ City _____ Zip _____
State Contractors License _____
Note: Attach a copy of Contractors License, Hazardous Materials Certification, and
Workers Compensation

HAZARDOUS WASTE HAULERS:

Hazardous Waste Hauler, Tank(s) _____ EPA ID # _____
Business Address _____ City _____
Contact _____ Phone _____
Tank(s) and piping destination _____
Hazardous Waste Hauler (Rinsate) _____ EPA ID # _____
Business address _____ City _____
Contact _____ Phone _____
Note: Include Hauler License No. _____ License Exp. Date _____

SAMPLE COLLECTION AND ANALYSIS:

Sample Collector _____ Company _____
Address _____ City _____ Phone _____
Soil/Water Analysis Laboratory _____
State certification No. _____ Contact _____ Phone _____
Business Address _____ City _____ Zip _____

TANK(S) INFORMATION

TANK SYSTEM: SIZE (GALLONS)	TANK CONSTRUCTION	SUBSTANCE(S) PREVIOUSLY CONTAINED
TANK 1 _____	_____	_____
TANK 2 _____	_____	_____
TANK 3 _____	_____	_____
TANK 4 _____	_____	_____

“PROCEDURES TO CLOSE UNDERGROUND STORAGE TANK(S) SYSTEMS”

- 1) Submit to the City of Oakland Office of the Fire Marshal (OFM) three (3) completed **Underground Storage Tank System Closure Permit Application**. Prepare State Water Resources Control Board Facility and Tank Pages. These Forms are available from the OFM or you may download the forms by logging on to www.unidocs.org .
 - Include a complete **Tank Page** for each tank to be closed.
 - Include a complete **Facility Page (if)** tank to be closed is home heating oil, or non-regulated.
 - One complete copy of your approved plan must be at the construction site at all the times.
 - Any cutting into tanks requires OFM approval.

- 2) Include with the submitted application a check payable to the City of Oakland for the amount of the designated fee, workmen’s compensation insurance verification, and plot plan drawing. The drawing consists of a scaled view of the facility which shows the tank(s) location and the following information:
 - Scale
 - North Arrow
 - Property Line
 - Location of structures near the tank(s)
 - Location of relevant existing equipment (including the tank(s) to be removed), associated piping, and fuel dispensers
 - Area Roadways
 - Underground conduits, sewers water lines utilities
 - Existing wells; drinking, monitoring, etc.
 - Depth of ground water

- 3) The OFM must be notified a minimum of 48 hours, two (2) days prior to commencement of work in order to schedule a removal inspection. The removal inspection appointment **must be confirmed with the district inspector**. A representative of the OFM must be present at the time of removal.

- 4) A site specific Health and Safety Plan must be submitted for review and available at the job site. Underground Service Alert must be contacted at 800-642-2444 prior to the start of any excavation.

- 5) A Tank Closure Report must be submitted within 30 days of removal/closure operations completed, containing a general description of the closure activities indicating:
 - Description of tank, fittings and piping conditions. Size and former contents; notes any corrosion, pitting, holes. If any leak(s) are suspected from any tank an unauthorized Leak/Contamination Report form must be included.
 - Description of the excavation itself. Include tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential pathways the depth to any observed ground water,

locations of stained or odor-bearing oil, and descriptions of any observed free product or sheen.

- Detailed description of sampling methods, i.e. – backhoe bucket, drive sampler, bailer, bottles, sleeves.
- Description of any remedial measures conducted at the time of removal.
- To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depth, and tank and piping locations include a copy of the plot prepared for the Tank System Closure Plan Permit Application under item # 2).
- Chain of custody records.
- Copies of signed laboratory reports.
- Copies of TSDf to Generator manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.).
- Documentation of the disposal of/and volume and final destination all non-manifested contaminated soil disposed offsite.

The Closure Report and conclusions are subject to critical review; and the report must be approved by the OFM to be recognized as valid.

6) An additional hourly fee will be charged for inspection time exceeding four (4) hours.

The listed items are general closure requirements, modifications may be necessary in certain situations. A deficient application or incomplete information will only cause a delay in the permit process, if you have any questions or need assistance call the OFM at (510) 238-3927. The Underground Storage Tank System Closure Permit **expires 365 days** from the approval date. If the tanks have not been closed/removed within **365 days**, a new closure permit application and fees are required. The closure/removal activities must be scheduled **48 hours** in advance.

Applicant Declaration:

I certify the application information is correct and factual. I declare that I have read and will follow the "procedures to Close Underground Storage tank(s) Systems." I further agree to comply with all applicable City of Oakland Ordinances; Fire Code; Health and Safety Code Chapter 6.7; Title 23, California Code of Regulations.

Applicant _____ Applicant _____ Date _____
Print Signature

"This box for OFM use only"

Comments _____

Inspectors Signature _____ Approval Date _____

APPENDIX B

Bay Area Air Quality Management District
Regulation 8 Organic Compounds
Rule 40 Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

**REGULATION 8
ORGANIC COMPOUNDS
RULE 40
AERATION OF CONTAMINATED SOIL AND
REMOVAL OF UNDERGROUND STORAGE TANKS**

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REGULATION 8
ORGANIC COMPOUNDS
RULE 40
AERATION OF CONTAMINATED SOIL AND
REMOVAL OF UNDERGROUND STORAGE TANKS

(Adopted July 16, 1986)

8-40-100 GENERAL

8-40-101 Description: The purpose of this Rule is to limit the emission of organic compounds from soil that has been contaminated by organic chemical or petroleum chemical leaks or spills, and to describe an acceptable procedure for controlling emissions from underground storage tanks during removal or replacement.

(Amended 2/15/89; 12/15/99)

8-40-110 Exemption, Storage Piles: Calculations of aeration volume under Section 8-40-204 shall not include storage piles that are covered per Section 8-40-305, nor shall they include active storage piles.

(Amended December 15, 1999)

8-40-111 Exemption, Excavated Hole: The exposed surfaces of an excavated hole shall not be included in calculations of aerated volume under Section 8-40-204.

8-40-112 Exemption, Sampling: Contaminated soil exposed for the sole purpose of sampling shall not be considered to be aerated. Inactive storage piles may remain uncovered for no longer than one hour for soil sampling purposes.

(Amended December 12, 1999)

8-40-113 Exemption, Non-volatile Hydrocarbons: The requirements of all sections of this Rule shall not apply if the soil is contaminated solely by a known organic chemical or petroleum liquid and that chemical or liquid has an initial boiling point of 302°F or higher provided that the soil is not heated.

(Amended February 15, 1989)

8-40-114 Exemption, Contaminated Soil Excavation During Organic Liquid Service Pipeline Leak Repairs: The requirements of Section 8-40-402 shall not apply if contaminated soil is being excavated in order to repair leaking organic liquid service pipelines and if no more than 5 cubic yards of contaminated soil are generated, and provided the requirements in Section 8-40-404 are satisfied.

(Adopted 2/15/89; Amended 12/15/99)

8-40-115 Exemption, Contaminated Soil Excavation Unrelated to Underground Storage Tank Activities: The requirements of Section 8-40-402 shall not apply where contaminated soil is discovered during excavations unrelated to underground storage tank activities, and provided the requirements in Section 8-40-405 are satisfied.

(Adopted 2/15/89; Amended 12/15/99)

8-40-116 Exemption, Small Volume: The provisions of this rule shall not apply to excavation or aeration projects where:

116.1 The total volume of contaminated soil is no more than 1 cubic yard, or

116.2 The total volume of contaminated soil is no more than 8 cubic yards and organic content does not exceed 500 ppmw as determined by the procedures in Sections 8-40-601 and 8-40-602. The exemption of this subsection may be applied to any single excavation site or facility no more than once in any 3 month period.

(Adopted December 15, 1999)

8-40-117 Exemption, Accidental Spills: The provisions of this rule shall not apply to soil contaminated by accidental spillage of five gallons or less of liquid organic compounds.

(Adopted December 15, 1999)

8-40-118 Exemption, Aeration Projects of Limited Impact: Exemption, Aeration Projects of Limited Impact: The requirements of Sections 8-40-403 and 8-40-405 shall not apply to any aeration project in which total project emissions of volatile organic compounds are less than 150 pounds, and total project emissions of toxic air contaminants are less than the trigger levels listed in Table 2-5-1 in District Regulation 2, Rule 5.

8-40-200 DEFINITIONS

8-40-201 Active Storage Pile: A storage pile to which soil is currently being added or from which soil is currently being removed. Activity must have occurred within one hour to be current.

(Amended December 15, 1999)

8-40-202 Aeration: Exposure of excavated soil containing volatile organic compounds to the air.

(Amended December 15, 1999)

8-40-203 Aeration Depth: The smaller of the following: the actual average depth of contaminated soil; or 0.15 meters (0.5 feet) multiplied by the daily frequency with which soil is turned.

(Amended February 15, 1989)

8-40-204 Aeration Volume: The volume of soil being aerated shall be calculated as follows: the exposed surface area (in square feet or square meters) shall be multiplied by the aeration depth. The exposed surface area includes the pile of excavated soil unless the pile is covered per Section 8-40-305.

(Amended 2/15/89; 12/15/99)

8-40-205 Contaminated Soil: Soil which has an organic content exceeding 50 ppmw as measured using the procedure in Section 8-40-602, or soil which registers an organic concentration greater than 50 ppmv (expressed as methane, C1) when measured using the procedure in Section 8-40-604.

(Amended December 15, 1999)

8-40-206 Organic Compound: Any compound of carbon, excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates and ammonium carbonate.

8-40-207 Organic Content: The concentration of volatile organic compounds measured in the composite sample collected and analyzed using the procedures in Sections 8-40-601 and 8-40-602.

(Amended December 15, 1999)

8-40-208 Vapor Free: The process of purging gases from a tank using dry ice to replace organic vapors with an inert atmosphere.

8-40-209 Ventilation: The process of purging gases from a tank by blowing or drawing another gas through the tank.

8-40-210 Emergency Removal or Replacement or Excavation: A removal or replacement of a tank or an excavation of contaminated soil carried out pursuant to an order of a state or local government agency issued because the contaminated soil poses an imminent threat to public health and safety.

(Adopted 2/15/89; Amended 12/15/99)

8-40-211 Organic Concentration: The concentration of volatile organic compounds measured in ppmv (expressed as methane, C1) above the soil surface using the procedures in Section 8-40-604.

(Adopted December 15, 1999)

8-40-212 Organic Liquid Service: The conveyance or storage of volatile organic compounds that are typically liquid at standard temperature and pressure, as applied to tanks and pipelines. This does not include septic tanks, sewer lines, storm water drainage, fresh water lines, natural gas lines, or electrical conduit.

(Adopted December 15, 1999)

8-40-213 Volatile Organic Compound (VOC): Any organic compound, as described in Section 8-40-206, which would be emitted to the atmosphere.

(Adopted December 15, 1999)

8-40-214 Vapor Suppressant: Any material demonstrated to be at least as effective as water spray at reducing VOC emissions from contaminated soil to the atmosphere.

(Adopted December 15, 1999)

8-40-215 Backfill: Replacement of contaminated soil to an excavated pit below existing grade or to a engineered fill location below final grade performed in such a way as to minimize exposure of contaminated soil to the atmosphere. To constitute backfill, replacement of soil may be back into the original excavation, or any other final fill site located on the site where the original excavation occurred. Backfill does not include

the use of contaminated soil in daily, intermediate, or final cover operations at solid waste disposal sites (as defined in Regulation 8-34-201).

(Adopted December 15, 1999)

8-40-216 Storage Pile: A pile of excavated contaminated soil located above existing grade level.

(Adopted December 15, 1999)

8-40-300 STANDARDS

8-40-301 Uncontrolled Contaminated Soil Aeration: Until June 1, 2000, a person shall not aerate contaminated soil at a rate in excess of that specified in Table 1 for the degree of organic content. The limitations in Table 1 shall apply to the entire facility and indicate the volume of contaminated soil that may be added, on any one day, to contaminated soil that is already aerating. These limited aeration rates shall also apply to the use of contaminated soil in daily, intermediate, or final cover operations at solid waste disposal sites (as defined in Regulation 8-34-201).

Table 1
Allowable Rate of Uncontrolled Aeration

ORGANIC CONTENT	RATE OF UNCONTROLLED AERATION	
ppm (weight)	Cubic meters/day	Cubic yards/day
< 50	Exempt	Exempt
50 - 99	459.0	600
100 - 499	91.8	120
500 - 999	45.9	60
1000 - 1999	22.9	30
2000 - 2999	11.5	15
3000 - 3999	7.6	10
4000 - 4999	5.7	8
> 5000	0.08	0.1

Effective June 1, 2000, a person shall not aerate contaminated soil except as provided in sections 8-40-304 through 306. This prohibition includes the use of contaminated soil in daily, intermediate, or final cover operations at solid waste disposal sites (as defined in Regulation 8-34-201). *(Amended 2/15/89; 12/15/99)*

8-40-302 Controlled Contaminated Soil Aeration: Until June 1, 2000, contaminated soil may be aerated at rates exceeding the limitations of 8-40-301 provided emissions of organic compounds to the atmosphere are reduced by at least 90% by weight.

(Amended December 15, 1999)

8-40-303 Deleted December 15, 1999

8-40-304 Active Storage Piles: Effective June 1, 2000, contaminated soil shall be kept visibly moist by water spray, treated with a vapor suppressant, or covered with continuous heavy duty plastic sheeting or other covering to minimize emissions of organic compounds to the atmosphere. Covering shall be in good condition, joined at the seams, and securely anchored to minimize headspace where vapors may accumulate. For any active storage pile, the surface area not covered by plastic sheeting or other covering shall not exceed 6,000 square feet.

(Adopted December 15, 1999)

8-40-305 Inactive Storage Piles: Effective June 1, 2000, contaminated soil shall be covered during periods of inactivity longer than one hour. The contaminated soil shall be covered with continuous heavy duty plastic sheeting or other covering to minimize emissions to the atmosphere. The covering shall be in good condition, joined at the seams, and securely anchored to minimize headspace where vapors may accumulate.

(Adopted December 15, 1999)

8-40-306 Contaminated Soil - Excavation and Removal: Effective June 1, 2000, any person excavating and/or permanently removing contaminated soil shall adopt the following procedure:

306.1 During excavation, all exposed contaminated soil surfaces above existing grade level shall be kept visibly moist by water spray, treated with an approved vapor suppressant, or covered with continuous heavy duty plastic

sheeting or other covering to minimize emissions of organic compounds to the atmosphere. The covering shall be in good condition, joined at the seams, and securely anchored to minimize headspace where vapors may accumulate.

- 306.2 All contaminated soils loaded into trucks or trailers for off site disposal or treatment shall be covered with continuous heavy duty plastic sheeting or other covering so as to minimize emissions to the atmosphere. The covering shall be in good condition, joined at the seams, and securely anchored to minimize headspace where vapors may accumulate.
- 306.3 All contaminated soil shall be stockpiled separately from soil which is not contaminated, unless emissions of VOC from the storage pile are minimized according to the provisions of this Rule.
- 306.4 Within 45 days of excavation, or within 90 days for soil of organic content less than 500 ppmw as determined by the procedures in Sections 8-40-601 and 8-40-602, the following shall take place:
 - 4.1 all contaminated soil shall be backfilled and covered with at least 6 inches of uncontaminated soil, or
 - 4.2 all contaminated soil shall be removed from the site, or
 - 4.3 treatment to remove the contamination shall be initiated.
- 306.5 Treatment of contaminated soil to remove the contamination shall be subject to all applicable District Rules and Regulations.
- 306.6 During backfilling, all exposed contaminated soil surfaces shall be kept visibly moist by water spray, or treated with an approved vapor suppressant, or covered with continuous heavy duty plastic sheeting or other covering to minimize emissions of organic compounds to the atmosphere. During periods of inactivity longer than 12 hours, backfilled contaminated soil shall be covered with at least 6 inches of uncontaminated soil, or covered with continuous heavy duty plastic sheeting or other covering to minimize emissions of organic compounds to the atmosphere. The covering shall be in good condition, joined at the seams, and securely anchored to minimize headspace where vapors may accumulate.

(Adopted December 15, 1999)

8-40-310 Underground Storage Tanks - Removal or Replacement: Any person wishing to permanently remove or replace an underground storage tank which previously contained organic compounds shall follow the following procedure:

- 310.1 All piping shall be drained or flushed into the tank or other container.
- 310.2 All liquids and sludges shall be removed, to the extent possible, from the tank. A hand pump shall be used to remove the bottom few inches of product if necessary.
- 310.3 Vapors shall be removed from the tank using one of the following three methods:
 - 3.1 The tank may be filled with water, displacing vapors and hydrocarbon liquids.
 - 3.2 Vapor freeing.
 - 3.3 Ventilation.
- 310.4 Effective June 1, 2000, all soils disturbed and/or excavated as part of the tank removal shall be subject to the requirements of Sections 8-40-301 through 306, unless the soil has been determined to be not contaminated by measurement of organic content using the procedures in Section 8-40-601 and 8-40-602.

(Amended 2/15/89; 6/15/94; 12/15/99)

8-40-311 Vapor Freeing: No person shall vapor free an underground storage tank of 250 gallons or greater capacity, unless emissions of organic compounds to the atmosphere are reduced by at least 90% by weight. The emission control system shall be operated until the concentration of organic compounds in the tank is less than 5,000 ppm expressed as methane.

(Amended December 15, 1999)

8-40-312 Ventilation: No person shall ventilate an underground storage tank of 250 gallons or greater capacity, unless emissions of organic compounds to the atmosphere are

reduced by at least 90% by weight. The emission control system shall be operated until the concentration of organic compounds in the tank is less than 5,000 ppm expressed as methane.

(Amended December 15, 1999)

8-40-400 ADMINISTRATIVE REQUIREMENTS

8-40-401 Reporting, Removal or Replacement of Tanks: The person responsible for the removal or replacement of tanks which are subject to the provisions of Section 8-40-310 shall provide written notice to the APCO of intention to remove or replace tanks. The written notice shall be postmarked at least 5 days prior to commencement of such removal or replacement. In the case of emergency removal or replacement of tanks, notice shall be provided as early as possible prior to the commencement of such emergency removal or replacement, to be followed by written verification not later than 30 working days after the removal or replacement is completed. The written notice of intention shall include:

- 401.1 Names and addresses of persons performing and responsible for the tank removal or replacement.
- 401.2 Location of site at which tank removal or replacement will occur.
- 401.3 Scheduled starting date of tank removal or replacement. The scheduled starting date may be delayed for no more than 5 working days, provided the APCO is notified by telephone as early as possible prior to the new starting date.
- 401.4 Procedures to be employed to meet the requirements of Sections 8-40-310.
- 401.5 If applicable, name, title and authority of the state or local government representative who has ordered a tank removal or replacement which is subject to emergency procedures.
- 401.6 Procedures to be employed to meet the requirements of Sections 8-40-301 through 306.

(Adopted 2/15/89; Amended 12/15/99)

8-40-402 Reporting, Excavation of Contaminated Soil: The person responsible for the excavation of known contaminated soil subject to the provisions of Sections 8-40-301 through 8-40-306 shall provide written notice to the APCO of intention to excavate. The written notice shall be postmarked at least 5 days prior to commencement of such excavation. In the case of emergency excavations, notice shall be provided as early as possible prior to the commencement of such emergency excavation, to be followed by written verification not later than 30 working days after excavation is completed. Written notice of intention to excavate may be submitted to the APCO at the same time written notice of intention to remove or replace tanks is submitted provided that such notification precedes the commencement of either tank removal or replacement or contaminated soil excavation by at least 5 days as indicated by postmark. The written notice of intention shall include:

- 402.1 Names and addresses of persons performing and responsible for excavation.
- 402.2 Location of site at which excavation will occur.
- 402.3 Scheduled starting date of excavation. The scheduled starting date may be delayed for no more than 5 working days, provided the APCO is notified by telephone as early as possible prior to the new starting date.
- 402.4 Procedures to be employed to meet the requirements of Sections 8-40-301 through 306.
- 402.5 If applicable, name, title and authority of the state or local government representative who has ordered an excavation which is subject to emergency procedures.
- 402.6 Estimated quantity of contaminated soil to be excavated.
- 402.7 Estimated average organic content of contaminated soil.

(Adopted 2/15/89; Amended 12/15/99)

8-40-403 Reporting, Aeration of Soil: The person responsible for aeration of any soil shall provide written notice to the APCO of intention to aerate soil, with the following information. The written notice shall be postmarked at least 5 days prior to

commencement of such excavation. The District shall again be notified within 24 hours of a change in one or more of the following parameters:

- 403.1 Estimated total quantity of soil to be aerated
- 403.2 Estimated quantity of soil to be aerated per day
- 403.3 Estimated average organic content of soil
- 403.4 Chemical composition of organic compounds (i.e., gasoline, methylene chloride, etc.)
- 403.5 A basis on which these estimates were derived (soil analysis test reports, etc.)
- 403.6 Names and addresses of persons performing and responsible for the aeration project.
- 403.7 Location of site at which the aeration project will occur.

(Amended, Renumbered 2/15/89; Amended 12/15/99)

8-40-404 Reporting, Contaminated Soil Excavation During Organic Liquid Service Pipeline Leak Repairs: The person responsible for the excavation of no more than 5 cubic yards of contaminated soil generated by an organic liquid service pipeline leak repair shall provide written notice to the APCO as early as possible, but not later than 30 working days, after excavation is completed. The written notice shall include:

- 404.1 Names and addresses of persons performing and responsible for excavation
- 404.2 Location of site at which excavation occurred.
- 404.3 Date of excavation.
- 404.4 Quantity of contaminated soil excavated.
- 404.5 Estimated average organic content of contaminated soil.
- 404.6 Procedures to be employed to meet the requirements of Sections 8-40-301 through 306.

(Adopted 2/15/89; Amended 12/15/99)

8-40-405 Reporting, Contaminated Soil Excavations Unrelated to Underground Storage Tank Activities: The person responsible for contaminated soil excavations unrelated to underground storage tank activities where contaminated soil is discovered shall provide notice as early as possible upon detection of such contaminated soil, to be followed by written verification not later than 30 working days after excavation is completed. The written verification shall include:

- 405.1 Names and addresses of persons performing and responsible for excavation.
- 405.2 Location of site at which excavation occurred.
- 405.3 Date of excavation.
- 405.4 Quantity of contaminated soil excavated.
- 405.5 Estimated average organic content of contaminated soil.
- 405.6 Procedures to be employed to meet the requirements of Sections 8-40-301 through 306.

(Adopted 2/15/89; Amended 12/15/99)

8-40-600 MANUAL OF PROCEDURES

8-40-601 Contaminated Soil Sampling: Composite samples shall be collected and analyzed for-excavated contaminated soil as follows:

- 601.1 Until June 1, 2000, for every 50 cubic yards of excavated contaminated soil to be aerated as per Table 1 in Section 8-40-301, at least one composite sample shall be collected from each storage pile within 12 hours of excavation.
- 601.2 For excavation projects seeking exemption under the provisions of Section 8-40-116.2, at least one composite sample shall be collected and analyzed.
- 601.3 For excavation projects subject to Sections 8-40-306.4 (90 day limit only) or 8-40-310.4, involving 250 cubic yards of contaminated soil or less, at least one composite sample shall be collected and analyzed for every 50 cubic yards of excavated contaminated soil.
- 601.4 For excavation projects subject to Sections 8-40-306.4 (90 day limit only) or 8-40-310.4, involving more than 250 cubic yards of contaminated soil, at

least one composite sample shall be collected and analyzed for every 100 cubic yards of excavated contaminated soil.

601.5 Each composite sample shall consist of four separate soil samples taken using the procedures described below. The soil samples shall remain separate until they are combined in the laboratory just prior to analysis.

601.6 Each pile for which a composite sample is required shall be considered to have four equal sectors. One sample shall be taken from the center of each sector. Samples shall be taken from at least twelve inches below the surface of the pile. Samples shall be taken using one of the following methods:

6.1 Samples shall be taken using a driven-tube type sampler, capped and sealed with inert materials, and extruded in the lab in order to reduce the loss of volatile materials; or

6.2 Samples shall be taken using a clean brass tube (at least twelve inches long) driven into the soil with a suitable instrument. The ends of the brass tube shall then be covered with aluminum foil, then plastic end caps, and finally wrapped with a suitable tape. The samples shall then be immediately placed on ice, or dry ice, for transport to a laboratory.

(Amended 2/15/89; 12/15/99)

8-40-602 Measurement of Organic Content: Organic content of soil shall be determined by EPA Reference Methods 8015B and 8021B or any method determined to be equivalent by the United States Environmental Protection Agency and approved in writing by the APCO or designee.

(Amended 2/15/89; 10/6/93; 12/15/99)

8-40-603 Determination of Emissions: Emissions of organic compounds as specified in Sections 8-40-302, 8-40-311 and 8-40-312 shall be measured as prescribed by any of the following methods: 1) BAAQMD Manual of Procedures, Volume IV, ST-7, 2) EPA Method 25 or 25A. A source shall be considered in violation if the VOC emissions measured by any of the referenced test methods exceed the standards of this rule.

(Amended 2/15/99; 6/15/94; 12/15/99)

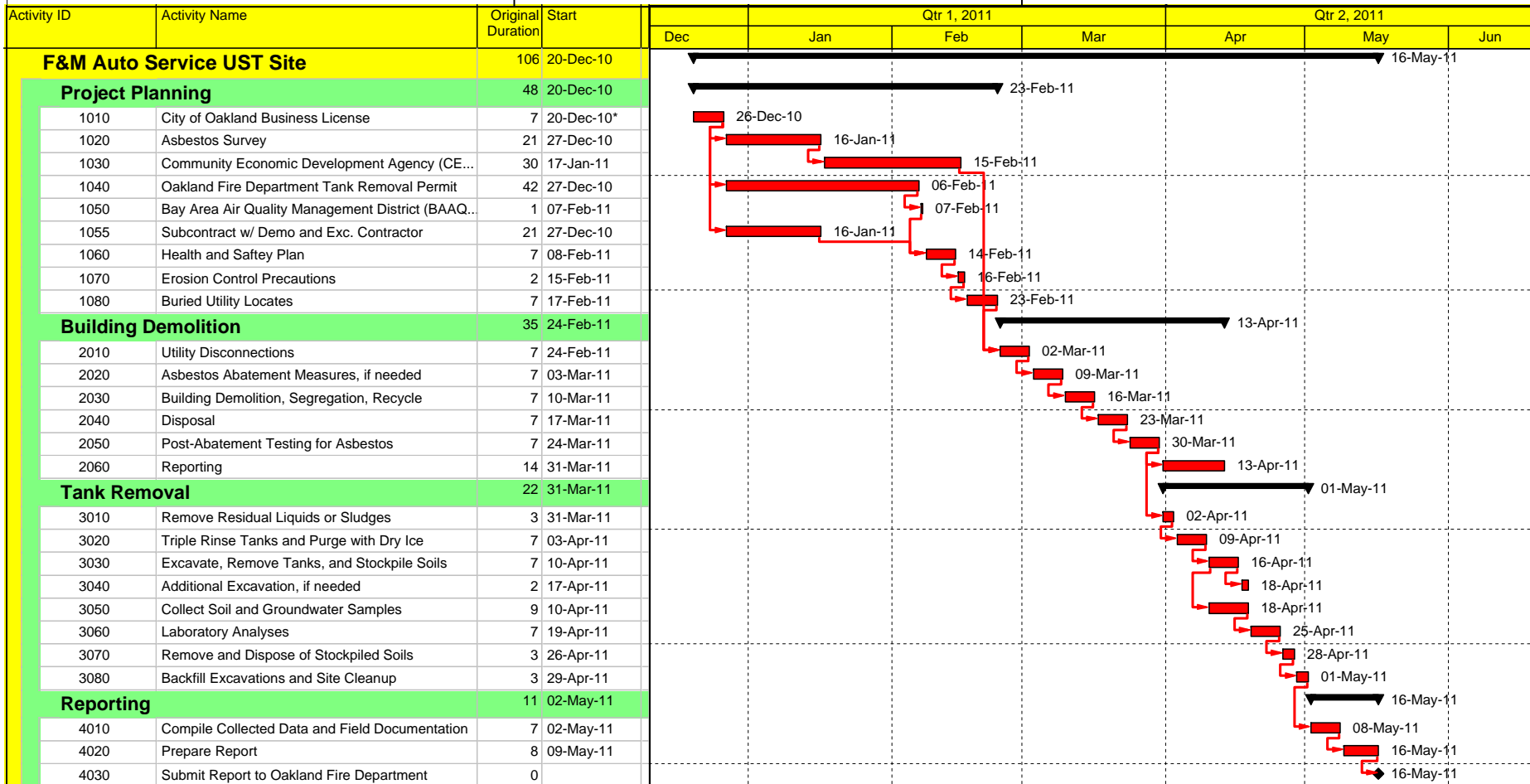
8-40-604 Measurement of Organic Concentration: Organic concentration as specified in Section 8-40-205 shall be measured at a distance of three inches from the surface of the excavated soil with an organic vapor analyzer complying with 40 CFR Part 60 Appendix A, EPA Method 21 Section 3, "Determination of Volatile Organic Compound Leaks, Monitoring Instrument Specifications," or any method determined to be equivalent by the United States Environmental Protection Agency and approved in writing by the APCO or designee. For the purpose of determining contamination, the soil surface of the excavated soil pile may be disturbed to obtain a measurement.

(Adopted December 15, 1999)

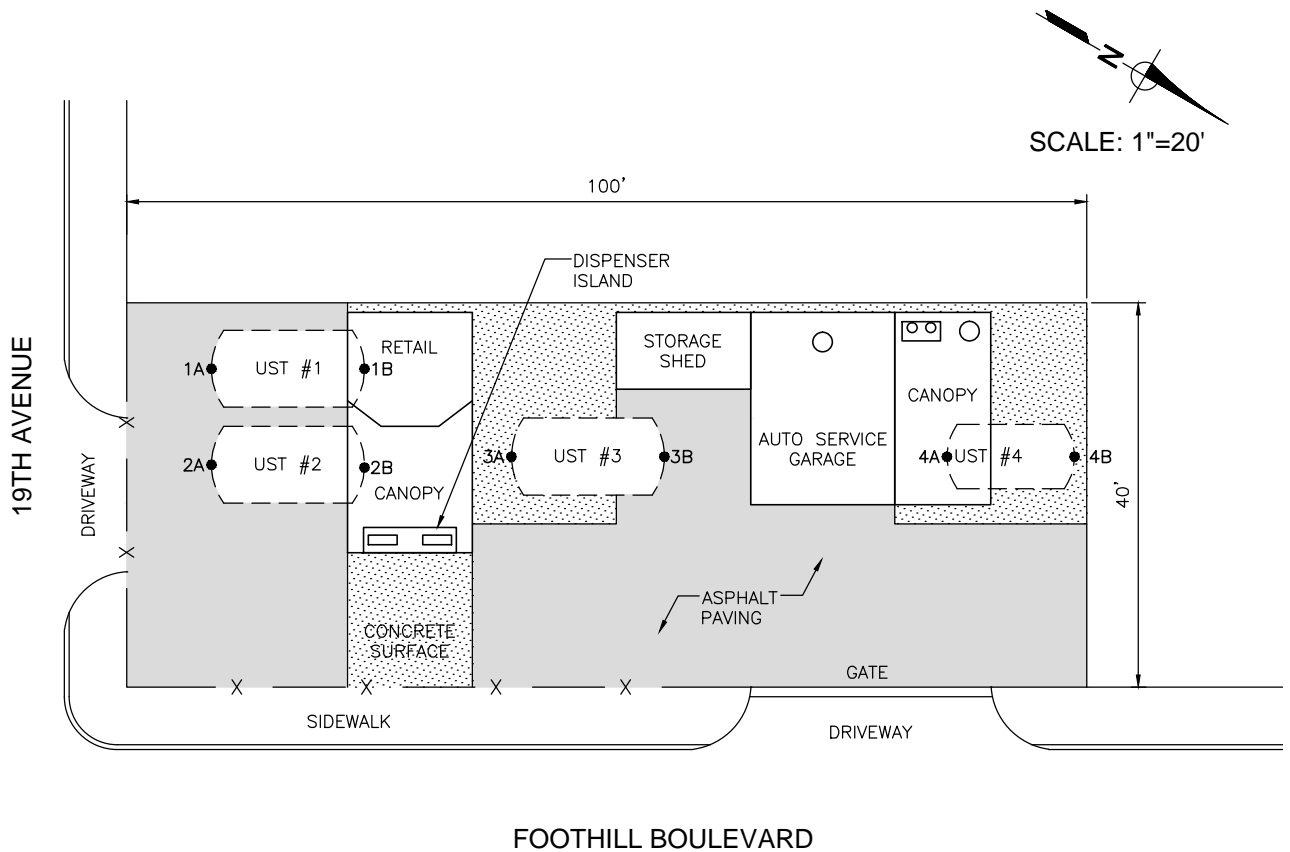
8-40-605 Analysis of Samples, Initial Boiling Point: Samples of organic compounds shall be analyzed by ASTM D-1078-93 for the determination of initial boiling point as specified in Section 8-40-113.

(Adopted December 15, 1999)

F&M Auto Service UST Site
1839 Foothill Boulevard, Oakland, CA



█ Actual Work
 █ Critical Remaining Work
 Summary
█ Remaining Work
 ◆ ◆ Milestone



SAMPLING AND ANALYTICAL TESTING REQUIREMENTS:

1. COLLECT SOIL SAMPLES FROM THE BOTTOM OF EACH TANK EXCAVATION AS SHOWN ABOVE.
2. COLLECT SIDEWALL SAMPLES IF DETERMINED NECESSARY IN THE FIELD.
3. COLLECT SOIL SAMPLES EVERY 20 FEET ALONG GASOLINE DISTRIBUTION PIPES, IF PRESENT.
4. COLLECT GRAB GROUNDWATER SAMPLE IF PRESENT IN THE EXCAVATION.
5. SOIL AND GROUNDWATER SAMPLES WILL BE ANALYZED FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg), BENZENE TOLUENE, ETHYLBENZENE AND TOTAL XYLENES (BTEx), AND METHYL-TERT BUTYL ETHER(MTBE) BY EPA METHOD 8260B, AND TOTAL LEAD BY EPA METHOD 6010

LEGEND

- 1A – SOIL SAMPLE LOCATIONS FROM BOTTOM OF EXCAVATION

TITLE: SAMPLING PLAN	
LOCATION: 1839 Foothill Blvd., Oakland, CA 94606	
 SIERRA WEST CONSULTANTS, INC.	FIGURE: 3

Site Specific Health and Safety Plan
Former F&M Auto Service UST Site
1839 Foothill Boulevard, Oakland, CA 94606
State of California, Orphan Site Cleanup Fund
Grant No. 10-701-550

March 24, 2011

Prepared for:
**Environmental Investigation and
Remediation Activities, including
Building Demolition and Tank Removal**

Prepared by:



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**Site Specific Health and Safety Plan
Former F&M Auto Service UST Site**

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Site Specific Health and Safety Plan F&M Auto Service UST Site

1.0 INTRODUCTION

This Site Specific Health and Safety Plan (SHSP) was prepared by Sierra West Consultants, Incorporated (Sierra West) for field activities related to implementing building demolition, tank removal, and potential remediation measures at the F&M Auto Service Underground Storage Tank (UST) Site at 1839 Foothill Boulevard, in Oakland, California. This SHSP was prepared in general accordance with requirements set forth in Title 29 of the Code of Federal Regulations, Part 1910.120 (29 CFR 1910.120) and Title 8 of the Code of California Regulations, Section 5192 (8 CCR 5192).

The provisions of this SHSP apply only to Sierra West personnel and subcontractors conducting field activities. The health and safety guidelines and requirements presented herein are based on a review of available information and an evaluation of potential hazards. This plan describes the health and safety procedures and equipment required to minimize the potential for hazard exposures while conducting typical construction and remediation activities, such as demolition, soil excavation, drilling, and sampling activities.

In addition to this SHSP, Sierra West subcontractors are responsible for preparing and implementing their own health and safety plans. Should circumstances during the course of field work be extraordinarily different than anticipated, the field work shall be temporarily stopped so that potential hazards can be evaluated and appropriate health and safety precautions implemented.

2.0 SUMMARY

2.1 Project Summary

The details of field activities to be managed by Sierra West personnel are currently defined in the *Updated Work Plan for Underground Storage Tank Removal, Former F&M Auto Service UST Site*, dated December 10, 2010. Additional activities may be required in the future and this SHSP will cover these activities to the extent that they are related to environmental investigation and remediation at the Site.

A list of personnel involved in the field activities is provided in Section 3 of this SHSP.

2.2 Site Background

The Site is a former gasoline service station that is estimated to have been constructed in the 1950's. The service station ceased operation in 1995 and an auto detailing service operated at the property from 1997 through 2001. The property has been unoccupied since 2001.

Four USTs are located on the property. The size and materials of construction of the tanks are unknown. Two abandoned buildings are located on the property in the immediate vicinity of the USTs. As such, these buildings will need to be removed prior to removing the USTs. Asbestos and lead-based paint surveys were conducted by a certified asbestos inspector, and the results are included as Appendix A.

3.0 PROJECT RESPONSIBILITIES

The following sections identify the key personnel responsible for implementing this health and safety plan.

3.1 Sierra West Personnel Responsibilities

Mr. Jeffrey Bensch, a Professional Engineer (PE), is the Project Manager (PM), and Brian Whalen is the project geologist. Sierra West personnel on-site will function as the Site Health and Safety Officer (SSO). Subcontractors are required to develop project specific health and safety plans for their activities. These subcontractor plans shall also designate a project safety officer for their specific work. Mr. Bensch, Mr. Whalen, or a designated representative with proper health and safety training, will oversee the field activities. Mr. Bensch and Mr. Whalen have completed 40 hours of comprehensive health and safety training and routine updates to meet the requirements of 29 CFR 1910.120 and 8 CCR 5192. The SSO has the responsibility to monitor and correct health and safety problems as noticed on Site. The subcontractor's project safety officer also has similar responsibilities.

The PM will provide a copy of this SHSP to each member of Sierra West's project field team and one copy to each subcontractor. Training and safety briefing(s) for the project will be provided to the project team via tailgate meetings.

The SSO is responsible for verifying that field activities are performed in accordance with the SHSP and the subcontractor is responsible for verifying that the Project Specific Health and Safety Plan is being implemented correctly. It is the SSO's responsibility to inform the subcontractors and other field personnel when chemical and physical hazards arise. Any deviations from requirements of these plans shall be accepted only in response to unanticipated field conditions and any changes shall be well documented in the field notes. Additional SSO health and safety responsibilities include, but are not limited to, the following:

- Following the SHSP and maintaining communications with the Subcontractor.
- Reporting to the PM any unsafe conditions or practices.
- Reporting to the PM all facts pertaining to incidents that result in injury or exposure to toxic materials.
- Reporting to the PM equipment malfunctions or deficiencies.
- Stopping all work if unsafe conditions or practices are observed.
- Providing site safety briefing for team members.
- Updating equipment or procedures to be used on site based on new information gathered during the site investigation.
- Assisting the PM in documenting compliance with the SHSP.
- Assisting in and evaluating the effectiveness of decontamination procedures for personnel, protective equipment, sampling equipment and containers, and heavy equipment and vehicles.
- Enforcing the "buddy system" as appropriate for site activities.

- Posting location and route to the nearest medical facility; arranging for emergency transportation to the nearest medical facility (Figure 3).
- Posting the telephone numbers of local public emergency services; i.e., police and fire.
- Stopping operations that threaten the health and safety of the field team or surrounding populace.
- Observing field team members for signs of exposure, stress, or other conditions related to pre-existing physical conditions of team members.

3.2 Subcontractor Personnel Responsibilities

All subcontractors are responsible for their own health and safety programs. A written health and safety plan must be available for Sierra West to review if requested.

3.3 Visitors

Visitors to the work areas at the Site will be briefed on the hazards present at the specific location. Visitors not involved with the project will not be allowed onsite without previous approval from Sierra West. Table 3-1 below presents a list of the project contacts.

TABLE 3-1: Project Contacts and Important Phone Numbers

NAME	TELEPHONE
Mr. Jeffrey Bensch, Sierra West Project Manager	(916) 863-3220 (office) (916) 207-5706 (cell)
Mr. Brian Whalen, Sierra West Project Geologist	(916) 863-3220 (office) (541) 912-1096 (cell)
Element 26 Contracting Excavation Subcontractor	(916) 295-1130
Highland Hospital 1411 East 31 st Street	(510) 437-4865
Local Fire and Police Department	911

4.0 HAZARD EVALUATION

The potential hazards to personnel working at this Site have been identified as either chemical or physical. Potential chemical hazards may include petroleum hydrocarbons, including BTEX, and MTBE due to previous Site operations. Physical hazards include hazards associated with operating heavy equipment and working in the vicinity of vehicular traffic on Foothill Boulevard and 19th Avenue. Each potential hazard relative to the potential for exposure is described below.

4.1 Chemical Contamination

The Site is a former gas station and likely Site impacts include TPH-as-gasoline, BTEX, and MTBE. Table 4-1 presents general information on these chemicals of concern at the Site, including exposure limits, routes of exposure, typical signs and symptoms of exposure, and ionization potentials. Level D personnel protection equipment (PPE) will be sufficient measures for chemicals encountered during construction activities at the Site.

4.2 Air Monitoring

Monitoring will be based on direct instrument readings from an Organic Vapor Monitor (OVM) that will screen for benzene. The OVM is a photoionization detector calibrated using isobutylene. The breathing zone of the person closest to exposure pathways will be monitored with an OVM if obvious odors are noted by personnel. If OVM detects 25 ppm for 15 minutes, the field personnel will move upwind of the work location, and the PM will be contacted to confirm whether to continue drilling with an upgrade to Level C. In the case that Level C PPE is donned, the cartridges will be replaced daily in accordance with 8 CCR 5218. If the OVM readings exceed 40 ppm in the breathing space, work will be halted and the SSO and PM will be contacted.

4.3 Evaluation of UST Vapors

An OVM will be used to evaluate the tank vapors. If hydrocarbon concentrations are greater than 5,000 ppm expressed as methane, the Oakland Fire Department (OFD) will be notified before continuing. The contaminated vapors shall be removed by vapor freeing or ventilation methods in accordance with Bay Area Air Quality Management District (BAAQMD) regulations prior to excavation activities until hydrocarbon concentrations are less than 5,000 ppm expressed by methane, or as otherwise instructed by the OFD.

Immediately prior to tank removal, the lower explosive limit (LEL) and oxygen levels inside the tank will be measured with a metering device designed and calibrated to accurately assess those indicators. The tanks will be made inert or be degassed to either of the following standards:

- The concentration of flammable vapor will not exceed 10% of the LEL of the hazardous material; or,
- The oxygen concentration will not exceed 5%.

During degassing of the tanks, any vapors released to the atmosphere will be monitored to ensure that the above stated standards are not exceeded, in accordance with BAAQMD regulations.

TABLE 4-1: CHEMICALS POTENTIALLY ASSOCIATED WITH THE FORMER F&M AUTO SERVICE UST SITE

CHEMICAL CAS NUMBER	EXPOSURE LIMIT ⁽²⁾	IDLH LEVEL	ROUTES OF EXPOSURE	SYMPTOMS OF EXPOSURE	IONIZATION POTENTIAL (eV)
POTENTIAL AROMATIC HYDROCARBON COMPOUNDS⁽¹⁾					
Benzene 71-43-2	TLV = 0.5 ppm Ca-REL = 0.1 ppm STEL = 1 ppm Ca ⁽³⁾	Ca ⁽³⁾ 3,000 ppm	Inhalation, absorption, ingestion, contact	Irritation of eyes, nose, respiratory system; giddiness, headache, nausea, staggered gait; fatigue, anorexia, lassitudes, dermatitis; bone marrow depression; carcinogen.	9.24 eV
Ethylbenzene 100-41-4	TLV = 100 ppm PEL = 100 ppm STEL = 125 ppm	2,000 ppm	Inhalation, ingestion, contact	Headache, dermatitis, eye and mucous membrane irritation; narcosis, coma.	8.76 eV
Toluene 108-88-3	PEL = 100 ppm TLV = 50 ppm STEL = 150 ppm	2,000 ppm	Inhalation, absorption, ingestion, contact	Fatigue, weakness; confusion, euphoria, dizziness; headache, dilated pupils, insomnia and dermatitis.	8.82 eV
Xylenes 1330-20-7	TLV = 100 ppm PEL = 100 ppm STEL = 150 ppm	1,000 ppm	Inhalation, absorption, ingestion, contact	Headache; nausea; vomiting; abdominal pain; irritation eyes, nose, throat; dermatitis; dizziness, excitement, drowsiness, incoherence, staggering gait.	8.56 eV
Gasoline 8006-61-9	Potential occupational carcinogen (NIOSH) Ca/OSHA PEL = 300 ppm		Inhalation, skin absorption, ingestion, skin or eye contact	Irritation of eyes, skin, mucous membrane; dermatitis; headache, weakness, exhaustion, blurred vision, dizziness, slurred speech, confusion, convulsions; liver, kidney damage.	
Methyl tertiary butyl ether 1634-04-4	Ca/OSHA PEL = 40 ppm TLV = 50 ppm		Inhalation, skin absorption, ingestion, skin or eye contact	Potential reproductive toxin and/or kidney damage	

- (1) Petroleum and aromatic hydrocarbons are potential chemicals of concern based on previous investigations at the Site.
 (2) Most restrictive value listed: NIOSH REL = recommended exposure limit (during any 8-hr. work shift of a 40-hr. work week); STEL - NIOSH/OSHA short-term exposure limit (a 15 minute exposure not to be exceeded at any time during the work day); Ceil - NIOSH/OSHA, concentration not to be exceeded at any time during the day; TLV = ACGIH, threshold limit value (concentration not to be exceeded during any 8-hr. work shift of a 40-hr. week), 2004.
 (3) NIOSH, occupational carcinogen.
 N/A Not available

REFERENCES: NIOSH Pocket Guide to Chemical Hazards, 1997

4.3 Physical Hazards

Physical hazards associated with this project include working around heavy equipment (building demolition equipment, excavators, drill rigs, etc.), traffic, slips/trips/falls, noise, thermal extremes, and local security issues. General safe work practices will be followed, including being aware of the movement of heavy equipment onsite; using appropriate health and safety gear including ear plugs and hard hats; drinking plenty of water; taking adequate rest-breaks; and, taking appropriate precautions for the high summer temperatures and cold, wet winter conditions.

The site is located in an active commercial/residential area with many pedestrians in the area. A security fence has been installed around the property boundary, but trespassing may occur. Sierra West and subcontractors are advised to work in pairs during daylight hours. Security guards may be required on a case-by-case basis when work extends after sunset or when unsecured equipment is on site overnight.

In the event of personal injury, the PM should be contacted as soon as possible. All accidents or injuries are to be documented by the SSO and submitted to Sierra West within 24 hours.

A task analysis of the activities to be performed is provided in Table 4-2 below:

TABLE 4-2: TASK HAZARD ANALYSES

TASK	POTENTIAL CHEMICAL HAZARD	POTENTIAL PHYSICAL HAZARD	CONTROL
Demolish buildings, excavation, remove tanks, and backfill. Installing borings, constructing wells, collecting soil and groundwater samples, excavating, operating treatment equipment, and general construction activities.	Potential exposure: TPH-gas MTBE and BTEX	Heavy equipment Noise Thermal Extremes Security Concerns Traffic	Use protective gloves and eye glasses while working with soil and groundwater. Establish work zones and Site coordination/control, and appropriately place heavy equipment. Use hardhats, steel-toed boots, vests, and hearing protection, as needed Take precautions for cold, wet weather by keeping warm, dry, and hydrated. Take precaution for hot, dry weather by drinking plenty of fluids and taking regular breaks from strenuous work. Monitor breathing zone of workers if obvious odors are noted by drillers. Work in pairs when necessary and use security guards when conducting activities after sunset.

5.0 TRAINING REQUIREMENTS

Sierra West staff working onsite have completed training in hazard recognition and basic health and safety issues as required by the occupational safety and health regulations contained in 29 CFR 1910.120 (e) and 8 CCR 5192. In addition, on-site Sierra West employees will be familiar with the requirements of this Site health and safety plan, and will participate in Site activity and safety briefings. There are no project-specific training requirements anticipated at this time. The SSO will document Site safety activity and implementation of this plan.

Sierra West trains employees in accordance with the Hazard Communication Standard (29 CFR 1910. 1200 and 8 CCR 5194) in the law, material safety data sheets (MSDSs) and labeling requirements. As part of the hazard communication standard, Sierra West is required to provide MSDSs of chemicals brought to the Site and have them readily accessible to Sierra West personnel, as well as to Site representatives.

6.0 PERSONAL PROTECTIVE EQUIPMENT

Based on the hazard analysis for this project, the following personal protective equipment (PPE) will be required and used. Changes to these specified items of PPE will not be made without the approval of the site safety officer.

The minimum required level of personal protection for field activities is Level D. Level D protection consists of:

- Safety glasses,
- Hard hat (around drill rig),
- Steel-toed boots, and
- Long pants and shirt with sleeves.

Eye glasses must be ANSI approved (safety glasses). If, during the course of this job, there is a potential for increased exposure, then the situation will be reevaluated and appropriate personal protective equipment will be required.

The following is a list of equipment that will be available throughout the field project:

Personal Protective Equipment

Nitrile and latex gloves

Safety glasses

Steel toe boots

Hearing protection

Hard hat

Vehicle Equipment

First-aid kit

Cellular phone or other means of communication

Water (distilled and drinking)

Map with route to nearest medical facility clearly shown (Figure 3)

Fire extinguisher

Eye wash

Air Monitoring Equipment

Photo-ionization detector with 10.6 eV lamp or OVM with isobutylene calibration gas.

Decontamination Equipment - Personal

Potable water

Hand soap

Disposable towels

Trash bags

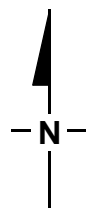
Logging and Misc. Field Equipment

Sharpie (fine point for labels)

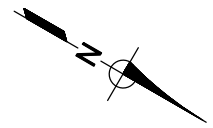
Ziplock Baggies



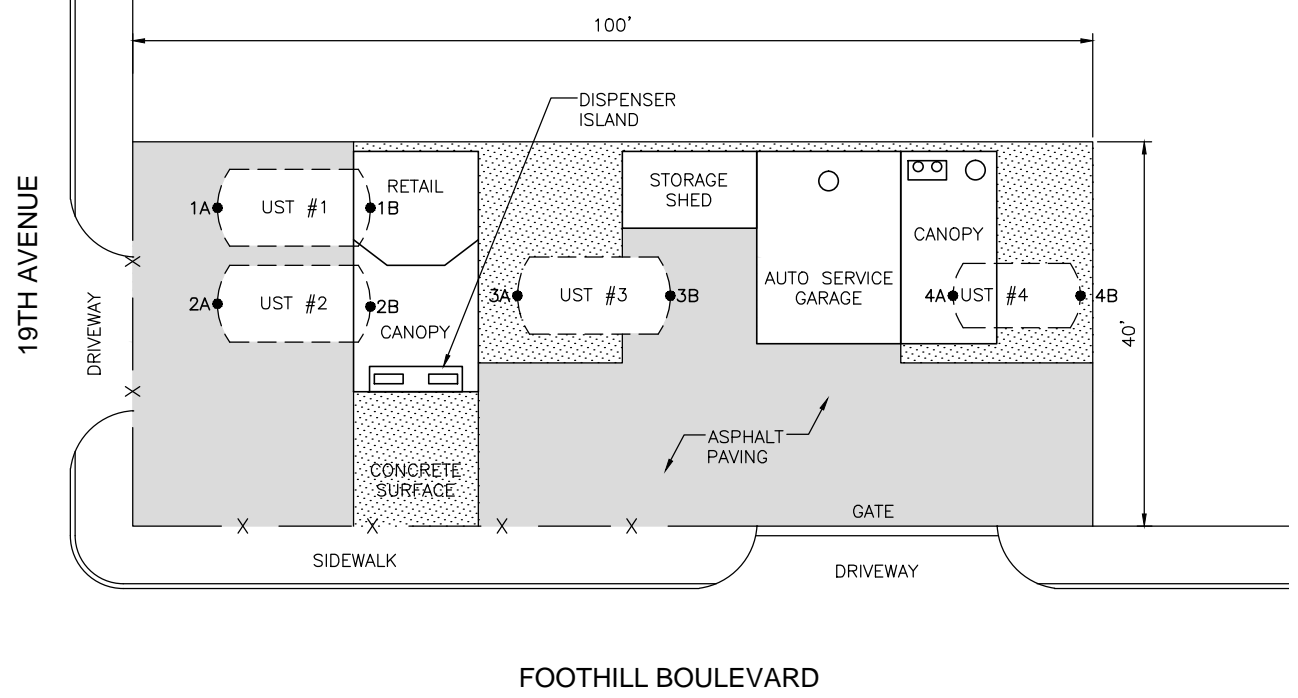
REFERENCE: GOOGLE MAPS



TITLE: SITE LOCATION MAP	
LOCATION: 1839 Foothill Blvd., Oakland, CA 94606	
 SIERRA WEST CONSULTANTS, INC.	FIGURE: 1



SCALE: 1"=20'



LEGEND

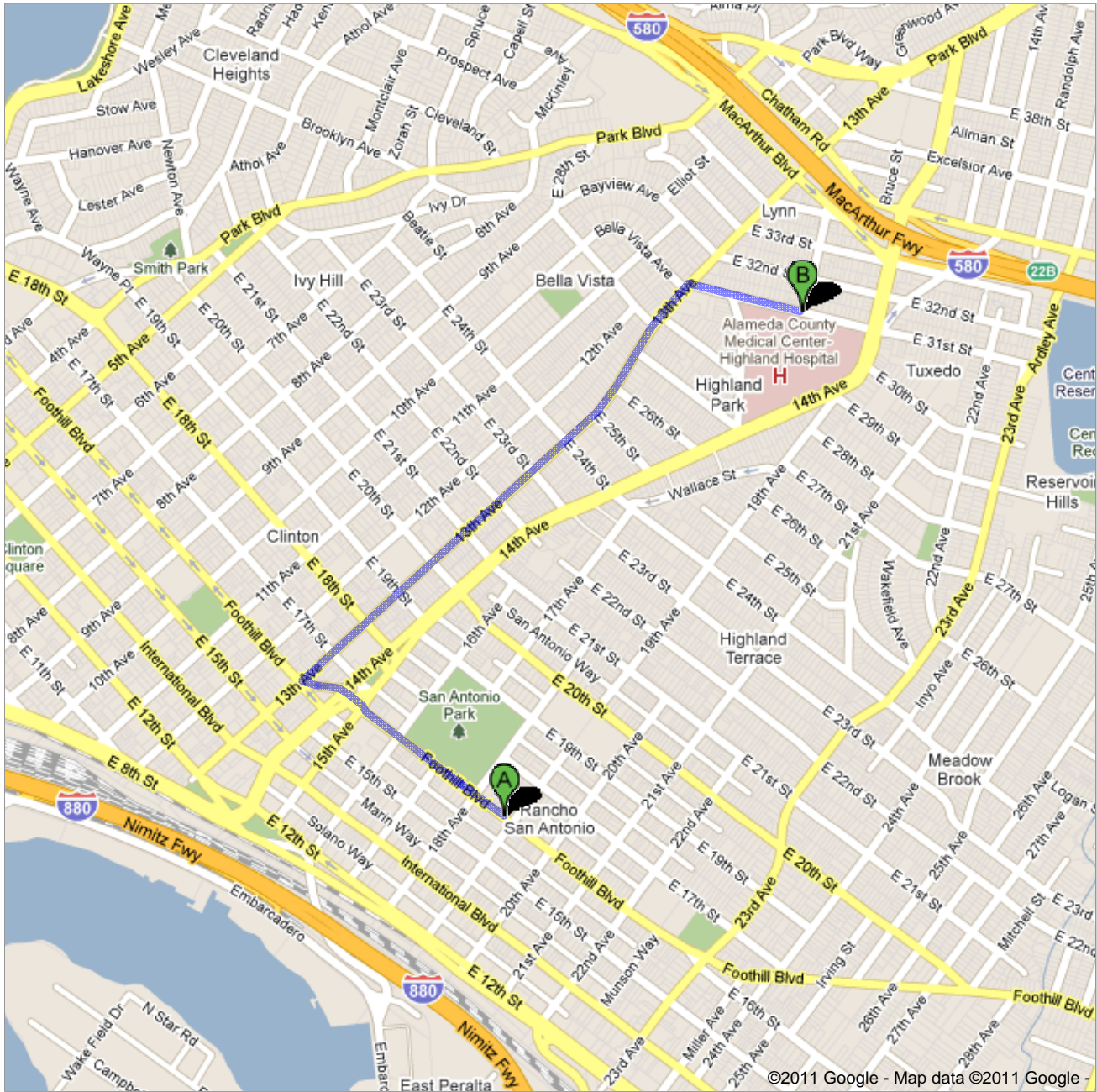
- 1A – SOIL SAMPLE LOCATIONS FROM BOTTOM OF EXCAVATION

TITLE:	Site Plan
LOCATION:	1839 Foothill Blvd., Oakland, CA 94606
FIGURE:	2
 SIERRA WEST CONSULTANTS, INC.	




Directions to E 31st St
1.4 mi – about 4 mins

Save trees. Go green!
Download Google Maps on your phone at google.com/gmm




©2011 Google - Map data ©2011 Google


 1839 Foothill Blvd, Oakland, CA 94606

1. Head **northwest** on **Foothill Blvd** toward **18th Ave**
About 2 mins


go 0.4 mi
total 0.4 mi

 2. Turn right at **13th Ave**
About 2 mins

go 0.8 mi
total 1.2 mi

 3. Turn right at **E 31st St**

go 0.2 mi
total 1.4 mi

 E 31st St

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2011 Google

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.



SIERRA WEST CONSULTANTS

DAILY TAILGATE SAFETY MEETING

Site Name: _____ Date: _____

Project: _____ Presented By: _____

Topics / Information Reviewed:

- | | | |
|--|---|--|
| <input type="checkbox"/> Daily Work Scope | <input type="checkbox"/> First Aid Kit Location | <input type="checkbox"/> Personal Protective Equipment |
| <input type="checkbox"/> Emergencies Response | <input type="checkbox"/> Fire Extinguisher Location | <input type="checkbox"/> Slips Trips & Falls |
| <input type="checkbox"/> Site Evacuation Meeting Point | <input type="checkbox"/> Eye Wash Station Location | <input type="checkbox"/> Open Pits and Excavations |
| <input type="checkbox"/> HASP Location | <input type="checkbox"/> Decontamination Procedures | <input type="checkbox"/> Heat and Cold Stress |
| <input type="checkbox"/> Directions to Hospital | <input type="checkbox"/> Noise Hazards | <input type="checkbox"/> Pinch Points |
| <input type="checkbox"/> MSDS's | <input type="checkbox"/> Orderly Site Housekeeping | <input type="checkbox"/> Overhead and Subsurface Utilities |
| <input type="checkbox"/> Permits and Compliance | <input type="checkbox"/> Traffic Control | <input type="checkbox"/> Site Security |
| <input type="checkbox"/> Stop Work Authority | <input type="checkbox"/> Vehicle Safety | <input type="checkbox"/> Biological Hazards |
| <input type="checkbox"/> Buddy System | <input type="checkbox"/> Backing Up and Spotters | <input type="checkbox"/> Allergies and Medical Conditions |
| <input type="checkbox"/> Site Hazards | <input type="checkbox"/> Securing Loads / Cargo | <input type="checkbox"/> Dust and Vapor Control |

Chemicals of Concern at the Site:

Specific Precautions for Today's Activities:

Name	Signature	Company

Conduct a Daily Tailgate Safety Meeting prior to each day's site activities. Follow up on any noted items.



CALIFORNIA
Board for Professional
Engineers & Land Surveyors
2535 Capitol Oaks Drive • Suite 300
Sacramento, CA 95833-2944
(916) 263-2222



CIVIL ENGINEER

LICENSE NO.

C 43803

EXPIRATION

6/30/2011

JEFFREY C BENSCH



State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE



License Number

863096

Entity **CORP**

Business Name

SIERRA WEST CONSULTANTS INC

Classification

HAZ A

Expiration Date

08/31/2011



STATE OF CALIFORNIA

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

ELEMENT 26 ENVIRONMENTAL & DEMOLITION INC
dba ELEMENT 26 CONTRACTING

License Number 940594

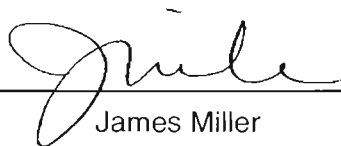
to engage in the business or act in the capacity of a contractor
in the following classification(s):

A - GENERAL ENGINEERING CONTRACTOR
C21 - BUILDING MOVING, DEMOLITION
ASB - ASBESTOS
HAZ - HAZARDOUS SUBSTANCES REMOVAL

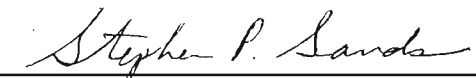
Witness my hand and seal this day,

March 10, 2010

Issued December 3, 2009



James Miller
Board Chair



Stephen P. Sands
Registrar of Contractors

This license is the property of the Registrar of Contractors,
is not transferrable, and shall be returned to the Registrar
upon demand when suspended, revoked, or invalidated
for any reason. It becomes void if not renewed.

PLAN REVIEW LOG

JOB # - **P11-0135** File _____

Date Submitted: Feb 4, 2011
 Date Assigned: Feb 4, 2011
 Job Site: 1839 Foothill Blvd.

Company Name: Sierra West Consultants, Inc.
 Company Phone #: 916-863-3220
 Contact Person: Jeffrey C. Bensch
 Expedite/After Hours: Yes No
 Type of Plans: UST
 Reviewer: Skillern
 Fees Paid: Yes
 Fees Paid Date: Feb 4, 2011

Disposition: _____
 Pick Up/Mailed Date: _____
 Pick up person: _____
 Pick up person Phone #: _____

Reviewed Dates	Amount of Time
1.) _____	_____
2.) _____	_____
3.) _____	_____
4.) _____	_____

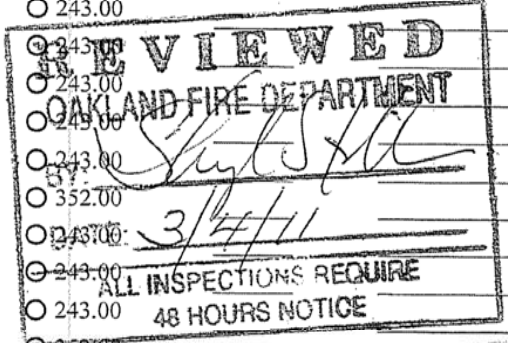
Review Complete Date: _____

Resubmitted: Yes No
 Resubmitted Dates:
 1.) _____
 2.) _____
 3.) _____
 4.) _____

1st 3rd
 2nd 4th

Plan Check Fees (NO inspections included)
 Submittal/Resubmittal, full price for each system

	Units	Subtotal
a. Sprinkler System/Zone	<input type="radio"/> 243.00	_____
b. Standpipe System	<input type="radio"/> 243.00	_____
c. Underground Main	<input type="radio"/> 243.00	_____
d. Fire Pump System	<input type="radio"/> 243.00	_____
e. Fire Hydrant	<input type="radio"/> 243.00	_____
f. FM 200, Halon, gas suppression system	<input type="radio"/> 243.00	_____
g. Dry chemical suppression system	<input type="radio"/> 243.00	_____
h. Spray Booth Installation	<input type="radio"/> 243.00	_____
<u>Expedited plan check fee (a-h) min 2.0 hr (FP Engineer)</u>		
i. Evacuation Plans	<input type="radio"/> 352.00	_____
j. Fire Alarm System	<input type="radio"/> 243.00	_____
k. Range Hood & Duct Suppression System	<input type="radio"/> 243.00	_____
<u>Expedited plan check fee (i-j) min 2.0 hrs (Fire Inspector)</u>		
	<input type="radio"/> 352.00	_____



Comments
 Application for Underground Storage Tank Removal

Mailing Address
 Sierra West Consultants, Inc.

Inspection Fees

a. Inspection, \$150.00/hour	<input type="radio"/> 150.00	_____
b. Reinspection, \$150.00/hour	<input type="radio"/> 150.00	_____
c. After Hours Inspection (\$225.00 x 2.5 hrs/min) \$225.00 p/hr after min	<input type="radio"/> 562.50	_____



Tank Permit Fees/CUPA

a. Removal, 1st Tank (\$243.00/hr x 2.5 hrs min + inspection \$150.00)	<input type="radio"/> 757.50	_____
\$150.00 each additional tank	<input type="radio"/> 150.00	_____
b. Installation, 1st Tank (\$243.00/hr x 2.5 hrs min. plus inspection \$599.00)	<input checked="" type="radio"/> 1206.50	\$1,206.50
\$150.00 each additional tank	<input type="radio"/> 150.00	_____
c. Modifications:	<input type="radio"/> 150.00	_____

Date:	Check #	Amount Received:
2/4/2011	2235	\$1,207.50
Total Amount Received:		\$1,207.50
Total Amount Due:		-\$1.00

Other Fees

Consultation Fee / FP Engineer time (\$243.00/hr)	<input type="radio"/> 243.00	_____
<input type="checkbox"/> Permitting Permit Fire Code Review - 65% of Building Permit Cost:	_____	_____

Billing Invoice Date: _____

Total Cost **\$ 1,206.50**



SIERRA WEST
CONSULTANTS, INC.

Environmental
Engineering

Water
Resources

Construction
Management

Project
Administration

March 2, 2011

Ms. Sheryl Skillern
Oakland Fire Department
Hazardous Materials Management Program
250 Frank H. Ogawa Plaza, #3341
Oakland, CA 94612



Subject: Updated Work Plan for Underground Storage Tank Removal
Former F&M Auto Service UST Site
1839 Foothill Boulevard
Oakland, California 94606

APPROVED

Dear Ms. Skillern:

On behalf of Ms. Mary Wright, current property owner, and Mr. James Balsley, prospective property owner, (Owners) Sierra West Consultants, Inc. (Sierra West) is pleased to provide this updated work plan as partial fulfillment of the Oakland Fire Department's (OFD) notice to comply, dated May 19, 2010 for Permit No. 20-2178. This work plan incorporates comments provided by OFD in your letter dated October 28, 2010, and e-mail dated March 1, 2011.

The notice to comply required obtaining permits and removing the underground storage tanks (USTs), assessing the site, and cleaning any contamination found at the subject property (Figure 1). This work plan outlines the requirements to obtain permits and remove the USTs.

1.0 CURRENT UST STATUS

The USTs were used to store various grades of gasoline for a gasoline service station that is estimated to have been constructed sometime during the 1950's. The service station ceased operation in 1995 and an auto detailing service operated at the property from 1997 through 2001. The property has been unoccupied since 2001.

Prior to initiating field activities, Sierra West will work with the OFD to obtain information on the USTs, including installation dates, sizes, materials of construction, and any closure activities that may have been conducted. Absent of any additional information, the approximate tank locations are shown on Figure 2.

Two abandoned buildings are located on the property in the immediate vicinity of the USTs. As such, these buildings will need to be removed prior to removing the USTs. Given the age of the buildings, asbestos and lead-based paint surveys will be needed prior to any demolition work.

2.0 PROJECT PLANNING

Project planning includes conducting asbestos and lead-based paint surveys, preparing a health and safety plan, implementing erosion control measures, locating buried utilities and obtaining necessary permits.



Asbestos and Lead-Based Paint.

The asbestos survey will be conducted by a State of California certified asbestos consultant (CAC) in accordance with Bay Area Air Quality Management District requirements. The results will be provided in a written report containing the findings, including laboratory test results, locations of the asbestos containing materials (if any), and approximate quantities.

The lead-based paint inspection will consist of collecting chip samples and performing laboratory analyses. The results will be evaluated by a State-certified Lead Inspector/Assessor and be transmitted in a letter report.

Should the asbestos survey or lead-based paint inspection show positive results, then an abatement plan with specific protocols will be developed by the CAC for the demolition activities in accordance with local, State, and Federal regulations. These protocols will be incorporated into the scope of work and demolition contractor requirements.

Health and Safety Plan

Sierra West will prepare a health and safety plan for the building demolition and tank removals. Effective planning and procedures will be used to identify unsafe conditions and implement a proactive approach to site safety. The health and safety plan will be prepared in general accordance with requirements set forth in Title 29 of the Code of Federal Regulations, Part 1910.120 (29CFR1910.120) and Title 8 of the Code of California Regulations, Section 5192 (8CCRS192).

Erosion Control

The former F&M Auto Service property is relatively flat, nearly 100% paved with asphalt or concrete, and 0.9 acres in area. As such, erosion is expected to be minimal. Nonetheless, excavation activities are likely to occur during the rainy season and measures will be taken to limit erosion from disturbed areas and stockpiles.

The extent of disturbed area will be minimized by working on one building or UST at a time to the extent practical. As such, the maximum open excavation area is expected to be less than 1,000 square feet. Each disturbed area will have erosion control waddles placed at the downstream edge of the property and work activities will be stopped during precipitation events that cause runoff.

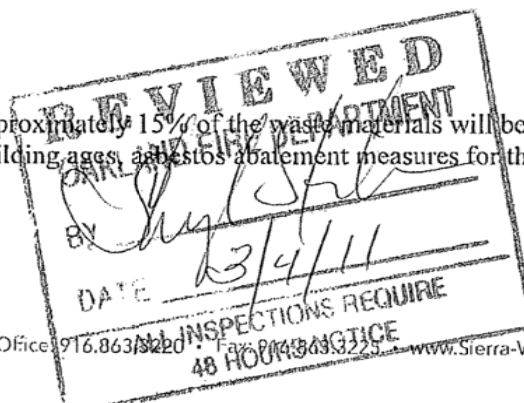
Permits and Buried Utilities

Building demolition permits will be obtained from the City of Oakland and Alameda County, and the Bay Area Air Quality Management District (BAAQMD) will be notified of the planned demolition and tank removal activities. An Underground Storage Tank System Closure Permit Application (Appendix A) will be submitted to the City of Oakland Office of the Fire Marshall. Tank removal activities will begin following receipt of the tank closure permit.

Underground Service Alert (USA) will be notified at least 48 hours prior to starting excavation work so that they can mark utilities in the vicinity of the work. An independent utility locator will also be contracted to locate buried utilities at the property.

3.0 BUILDING DEMOLITION

Given the age of the buildings, it is anticipated that approximately 15% of the waste materials will be disposed of as hazardous waste. Also based on the building ages, asbestos abatement measures for the structures are anticipated.





Utility disconnects will be provided to services that are not electrical or natural gas by cutting or capping lines or piping. Electrical or natural gas connections will be coordinated through the service providers.

Demolition will commence after the structures have been properly abated or signed off by the CAC as non-impacted. The structures will be razed in a manner that will enhance waste stream diversion. Segregation and handling protocols will be employed to maximize recycling opportunities.

Following abatement and building removal activities, the CAC will perform post-abatement testing to verify that no residual asbestos or lead-based paint materials are remaining. A PCM clearance will be provided for the site when the abatement work is completed.

A letter report will be prepared to document field activities, testing results, and disposal methods. The destination, method of reuse, recycling, or disposal of wastes, including the rationale for disposal, will be documented in the report. The name and address of the site will be included, as well as method of packaging of materials and wastes to comply with the local, state, and federal requirements. Copies of signed manifests, land disposal restriction forms, waste profile sheets, laboratory test results, photographs, and other pertinent information will be included in the letter report.

4.0 TANK REMOVAL

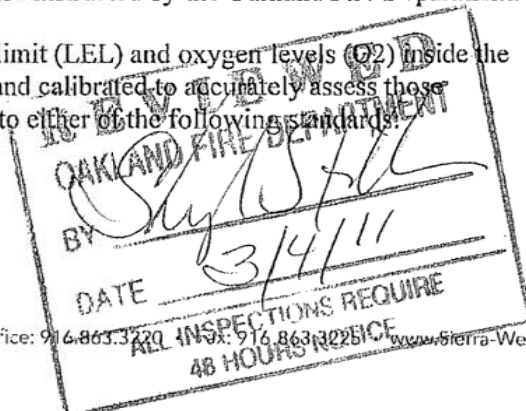
Sierra West will obtain the required tank removal permit from the OFD before proceeding with the work. Sierra West will also notify the Bay Area Air Quality Management District (BAAQMD). The work will be conducted in accordance with BAAQMD Regulation 8 Organic Compounds, Rule 40 Aeration of Contaminated Soil and Removal of Underground Storage Tanks (Appendix B).

Two fire extinguishers with a minimum rating of 20 BC will be maintained within 50 feet of work operations. A NO SMOKING sign will be posted at the Site. No welding or other ignition sources will be present during tank removal.

The tanks will be inspected to verify that no liquids are present. If present, liquids and sludge will be removed to the greatest extent possible with a system pump and hand pump. The tanks will be triple-rinsed. All liquids removed from the underground storage tanks including rinsate are considered hazardous waste and will be handled and disposed of appropriately. After triple rinsing, all tanks will be temporarily purged of flammable vapors with solid carbon dioxide (dry ice) at a ratio of 25 pounds of dry ice per 1,000 gallons of tank volume. Dry ice will be deposited in all appropriate tank openings at least 1.5 hours prior to tank removal to insure sufficient purging and venting. Only dry ice will be used to purge vapors.

A photoionization detector (PID) will be used to evaluate the tank vapors. If hydrocarbon concentrations are greater than 5,000 ppm expressed as methane, then the Oakland Fire Department will be notified before continuing. The contaminated vapors shall be removed by vapor freeing or ventilation methods in accordance with BAAQMD regulations prior to excavation activities until hydrocarbon concentrations are less than 5,000 ppm expressed as methane, or as otherwise instructed by the Oakland Fire Department.

Immediately prior to tank removal, the lower explosive limit (LEL) and oxygen levels (O2) inside the tank will be measured with a metering device designed and calibrated to accurately assess those indicators. The tanks will be made inert or be degassed to either of the following standards:





- A. The concentration of flammable vapor will not exceed 10% of the LEL of the hazardous material, or
- B. The oxygen concentration will not exceed 5%.

A PID will be used to monitor the work area and the excavated soil for the presence of hydrocarbons. If impacted soils are encountered, then the BAAQMD will be notified and appropriate procedures will be followed to ensure compliance Regulation 8, Rule 40.

Excavated soil will be stockpiled on impervious material directly adjacent to or in the immediate vicinity of the tank excavation. The soils will be securely covered with a material impervious to inclement weather.

Depth to groundwater varies throughout the year between five and 15 feet below ground surface. Excavation activities prior to the rainy season may experience lower groundwater elevations than during the winter and spring months. As such, it is uncertain whether dewatering of the excavations will be necessary, although it is expected. Any groundwater removed from the excavations will be contained for profiling and appropriate disposal.

The excavations will be conducted in accordance with California Division of Occupational Safety and Health (Cal/OSHA) requirements. Shoring is not anticipated and it is expected that the excavations can have sloped sidewalls to maintain stability. Entrance into the excavations is not expected, although if necessary, confined space permitting will be required.

5.0 SAMPLING AND ANALYSIS PLAN

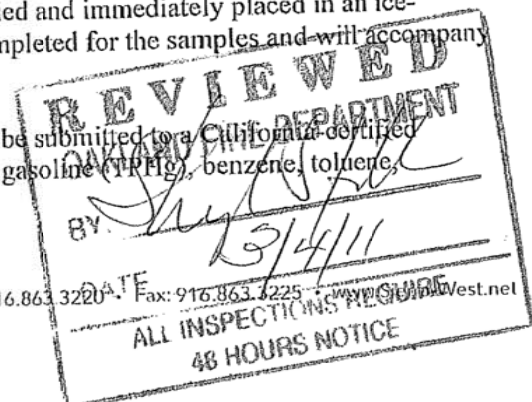
Soil samples will be collected from the excavations to evaluate whether chemical impacts are present in the subsurface. A minimum of two soil samples will be obtained from the bottom of each excavation, one at each end of each tank, as well as selected sidewall samples if determined necessary in the field. Approximately two feet of native soil will be removed prior to collecting the soil samples. If groundwater or staining is observed in the tank excavation, groundwater and/or additional soil samples may be required and will be collected as instructed by OFD personnel. If piping is present, soil samples will also be collected every 20 feet along the piping and at pipe fittings.

Soil samples from the UST excavation will be brought to the surface using a backhoe or excavator and will be collected by field personnel from the backhoe or excavator bucket. Soil samples from beneath piping (if applicable) will be obtained with the backhoe/excavator or alternatively by hand augering to the appropriate depth. Soil samples will be collected by driving a pre-cleaned, brass or stainless-steel sample liner into the soil until full. Following sample collection, the ends of the liner will be covered with Teflon® sheets, capped with polyethylene lids, and then sealed with duct tape.

If groundwater is present in the UST excavation, a sample will be collected for laboratory analysis. The grab groundwater sample will be collected using a disposable bailer or a dipper/sampler on an extension pole. Water samples will be placed in sample containers appropriate to the required analyses.

Once collected, the soil and groundwater samples will be labeled and immediately placed in an ice-cooled, insulated chest. A chain-of-custody record will be completed for the samples and will accompany the samples until receipt by the laboratory.

The soil sample(s) and groundwater sample (if collected) will be submitted to a California-certified laboratory to be analyzed for total petroleum hydrocarbons as gasoline (TPH), benzene, toluene,





ethylbenzene and total xylenes (BTEX), and methyl-tert butyl ether (MTBE) by EPA Method 8260B, and total lead by EPA Method 6010.

6.0 CONTINGENCY FOR ADDITIONAL EXCAVATION

If impacted soil is encountered in the tank excavation, additional excavations may be conducted, with approval from the Owners and OFD, to efficiently address residual contamination. In such case, BAAQMD would be notified and appropriate procedures would be followed to ensure compliance with BAAQMD Regulation 8/Rule 40.

7.0 PROFILING AND DISPOSAL

The emptied tanks will be rendered non-reusable while on-site. The removed underground storage tanks are considered hazardous waste and will be transported and disposed of accordingly. The tank will be transported under hazardous waste manifest to a state-permitted TSDF facility.

One composite soil sample from the stockpiled soil and one sample from collected groundwater will be analyzed and used for disposal evaluation. Samples will be analyzed using the methods listed in Section 5.0, and additional methods as needed to meet the profile requirements of the selected disposal facility. If the analytical results indicate that the tank contents and/or excavated soil are non-hazardous, then these materials will be transported to an approved landfill or treatment facility. A non-hazardous manifest or weight ticket from the receiving facility will be used to document the disposal. However, if the analytical results indicate that the tank contents and/or excavated soil are hazardous, then these materials will be transported under uniform hazardous waste manifest to an approved landfill or treatment facility.

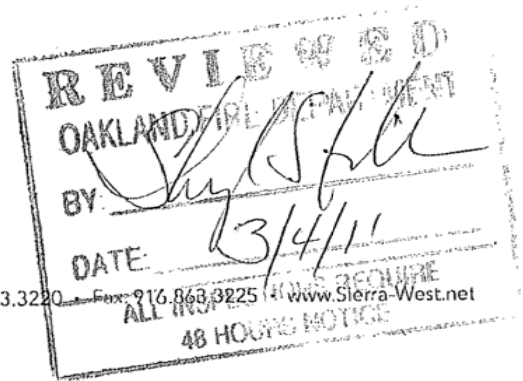
8.0 EXCAVATION BACKFILL

The tank excavation will be backfilled and compacted using clean imported backfill consisting of aggregate base, pea-gravel, or crushed rock. With OFD approval, excavated tank overburden material may be re-used for backfill if laboratory results are available and indicate that all analyzed constituents in the material are below applicable clean-up standards. The surface pavement will not be restored and the property will be left vacant for future redevelopment.

9.0 REPORTING

A tank closure report will be prepared documenting tank removal activities, conditions observed at the Site, and the soil and groundwater sampling methods and results. The report will include a written overview of procedures and activities, figures and tables as necessary for clarity of presentation, copies of chain-of-custody records and laboratory analysis reports, and copies of permits. Documentation of proper disposal activities will be also be provided in the report.

This work is anticipated to be conducted under a grant provided by the State of California through the Orphan Site Cleanup Fund (OSCF) program. As an initial step, approval of this work plan is required prior to completing the grant agreement. The Owners are prepared to begin work immediately following receipt of the OSCF grant. As such, your timely review and approval are appreciated.





SIERRA WEST
CONSULTANTS, INC.

Ms. Sheryl Skillern
Oakland Fire Department
March 2, 2011
Page 6

If you have any questions, please contact Jeff Bensch at 916-863-3220.

Sincerely,
Sierra West Consultants, Inc.

Jeffrey C. Bensch, P.E.
Principal Engineer

Cc: Mary Wright
James Balsley
Marisa Rodarte, OSCF

Attachments



CITY OF OAKLAND
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Suite 3341
Oakland, California 94612-2032
(510) 238-3851

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS
In the CITY OF OAKLAND

Request Submittal Date: January 28, 2011
PLEASE CIRCLE APPROPRIATE ACTIONS: Application is hereby made for permit to:

(a) Remove (b) Install (c) Repair (d) Modify (e) Abandon/Close in Place A

(a) Gasoline (b) Fuel oil (c) Diesel (d) _____ tank(s) and excavate, commencing:

(a) four feet inside the curb line* (b) inside the property line (c) aboveground (d) underground tank(s)
*inside curb line, please attach copy of sidewalk/excavation permit from PLANNING AND BUILDING

on the _____ South side of _____ Foothill Boulevard St.Ave. 10 feet west of 19th St/Ave.

Site Address: 1839 Foothill Boulevard, Oakland, CA 94606 Present storage none

Owner: Mary Wright Address 1829 9th Avenue, Oakland, CA 94606 Phone 510-891-1395

Applicant: Sierra West Consultants, Inc. Address 4227 Sunrise Boulevard, Suite 220 Fair Oaks, CA 95628 Phone 916-863-3220

Sidewalk surface to be disturbed X Number of Tanks 4 Capacity 1,000 Gallons ea.

Remarks Work is being performed pursuant to Oakland Fire Department Notice to Comply, dated May 19, 2010

Signature [Handwritten Signature]

PLEASE ATTACH/SUBMIT: (All applicants must have a City Business License Permit)

- (2) Copies of Closure Plans for underground tank removal (s)
- (2) Sets of plans and (1) copy of specifications for above ground tank removal
- (2) Sets of plans and (2) sets of application packets for underground tank installation/modifications
- (2) Sets of plans for aboveground tank installation and specifications
- copy or prepare to show Planning and Building approval for aboveground tank removal and tank repair

NOTE: FOR TANK INSTALLATION PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

FOR OFFICE USE ONLY

Permit No. _____ Amt. Recv'd _____ Date Issued: _____

Copies to: Electrical Inspection ck# _____ Cash _____

Receipt# _____ Recv'd by: _____

REVIEWED
OAKLAND FIRE DEPARTMENT
BY [Handwritten Signature]
DATE 3/4/11
ALL INSPECTIONS REQUIRE
48 HOURS NOTICE

FACILITY INFORMATION

Facility/Residence Name Former F&M Auto Service UST Site Business Type Gas Station Abandoned
 Site Address 1839 Foothill Boulevard City Oakland Zip 94606
 Contact Person Jeff Bensch Title Project Manager Phone 916-863-3220
 E-Mail jbensch@sierra-west.net Cell Phone 916-207-5706
 Owner, Agency, or Corporation Name Mary Wright Phone 510-891-1395
 Mailing Address 1829 9th Avenue City Oakland State CA Zip 94606
 EPA ID Number In Process, see attached application
 Note: Include "Proof of Financial Responsibility"
 Letters of Administration and Tax Statement are attached

CONTRACTOR REMOVING TANK(S) AND PIPING:

Contractor Sierra West Consultants, Inc.
 Contract Person Jeff Bensch Phone 916-863-3220
 Business Address 4227 Sunrise Boulevard, #220 City Fair Oaks, CA Zip 95628
 State Contractors License No. 863096
 Note: Attach a copy of Contractors License, Hazardous Materials Certification, and
 Workers Compensation

HAZARDOUS WASTE HAULERS:

Hazardous Waste Hauler, Tank(s) Element 26 Contracting, Inc. EPA ID # CAR000214775
 Business Address 3480 Sunrise Boulevard, #250 City Rancho Cordova
 Contact Josh Bryant or David Ferguson Phone 916-295-1130
 Tank(s) and piping destination Schnitzer Steel (for recycling, Oakland, CA 94607)
 Hazardous Waste Hauler (Rinsate) Safety-Kleen EPA ID # TXR000050930
 Business address 1147 N. 10th Street City San Jose
 Contact Joe Baker Phone 408-294-8778
 Note: Include Hauler License No. 940594 License Exp. Date 12/31/2011
8/31/2011
 Rinsate Contractor: 130836

SAMPLE COLLECTION AND ANALYSIS:

Sample Collector Jeff Bensch, or representative Company Sierra West Consultants
 Address 4227 Sunrise Blvd #220 City Fair Oaks, CA Phone 916-863-3220
 Soil/Water Analysis Laboratory Accutest Laboratories
 State certification No. 08258CA Contact Simon Hague Phone 408-588-0200
 Business Address 2105 Lundy Avenue City San Jose, CA Zip 95131

TANK(S) INFORMATION

TANK SYSTEM: SIZE (GALLONS)	TANK CONSTRUCTION	SUBSTANCE(S) PREVIOUSLY CONTAINED
TANK 1 <u>1,000</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>
TANK 2 <u>1,000</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>
TANK 3 <u>550</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>
TANK 4 <u>Unknown</u>	<u>Steel</u>	<u>Gasoline or Diesel</u>

REVIEWED
 OAKLAND HEALTH DEPARTMENT
 BY: [Signature]
 DATE: 8/4/11
 ALL INFORMATION IS CONFIDENTIAL

“PROCEDURES TO CLOSE UNDERGROUND STORAGE TANK(S) SYSTEMS”

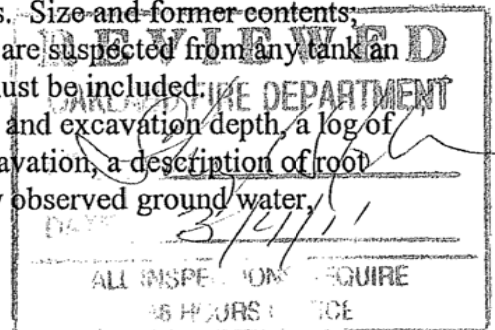
- 1) Submit to the City of Oakland Office of the Fire Marshal (OFM) three (3) completed **Underground Storage Tank System Closure Permit Application**. Prepare State Water Resources Control Board Facility and Tank Pages. These Forms are available from the OFM or you may download the forms by logging on to www.unidocs.org.
 - Include a complete **Tank Page** for each tank to be closed.
 - Include a complete **Facility Page** (if) tank to be closed is home heating oil, or non-regulated.
 - One complete copy of your approved plan must be at the construction site at all the times.
 - Any cutting into tanks requires OFM approval.

- 2) Include with the submitted application a check payable to the City of Oakland for the amount of the designated fee, workmen’s compensation insurance verification, and plot plan drawing. The drawing consists of a scaled view of the facility which shows the tank(s) location and the following information:
 - Scale
 - North Arrow
 - Property Line
 - Location of structures near the tank(s)
 - Location of relevant existing equipment (including the tank(s) to be removed), associated piping, and fuel dispensers
 - Area Roadways
 - Underground conduits, sewers water lines utilities
 - Existing wells; drinking, monitoring, etc.
 - Depth of ground water

- 3) The OFM must be notified a minimum of 48 hours, two (2) days prior to commencement of work in order to schedule a removal inspection. The removal inspection appointment **must be confirmed with the district inspector**. A representative of the OFM must be present at the time of removal.

- 4) A site specific Health and Safety Plan must be submitted for review and available at the job site. Underground Service Alert must be contacted at 800-642-2444 prior to the start of any excavation.

- 5) A Tank Closure Report must be submitted within 30 days of removal/closure operations completed, containing a general description of the closure activities indicating:
 - Description of tank, fittings and piping conditions. ~~Size and former contents.~~ notes any corrosion, pitting, holes. If any leak(s) are suspected from any tank an unauthorized Leak/Contamination Report form must be included.
 - Description of the excavation itself. Include tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential pathways the depth to any observed ground water.



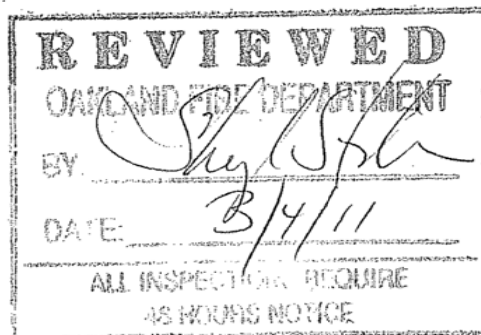
locations of stained or odor-bearing oil, and descriptions of any observed free product or sheen.

- Detailed description of sampling methods, i.e. – backhoe bucket, drive sampler, bailer, bottles, sleeves.
- Description of any remedial measures conducted at the time of removal.
- To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depth, and tank and piping locations include a copy of the plot prepared for the Tank System Closure Plan Permit Application under item # 2).
- Chain of custody records.
- Copies of signed laboratory reports.
- Copies of TSDf to Generator manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.).
- Documentation of the disposal of/and volume and final destination all non-manifested contaminated soil disposed offsite.

The Closure Report and conclusions are subject to critical review; and the report must be approved by the OFM to be recognized as valid.

6) An additional hourly fee will be charged for inspection time exceeding four (4) hours.

The listed items are general closure requirements, modifications may be necessary in certain situations. A deficient application or incomplete information will only cause a delay in the permit process, if you have any questions or need assistance call the OFM at (510) 238-3927. The Underground Storage Tank System Closure Permit **expires 365 days** from the approval date. If the tanks have not been closed/removed within **365 days**, a new closure permit application and fees are required. The closure/removal activities must be scheduled **48 hours** in advance.



Applicant Declaration:

I certify the application information is correct and factual. I declare that I have read and will follow the "procedures to Close Underground Storage tank(s) Systems." I further agree to comply with all applicable City of Oakland Ordinances; Fire Code; Health and Safety Code Chapter 6.7; Title 23, California Code of Regulations.

Applicant JEFFREY C. BENSCH Applicant *Jeff Bensch* Date 1/28/11
Print Signature

"This box for OFM use only"

Comments _____

APPROVED

Inspectors Signature _____

Shyl Stik

Approval Date _____

3/4/11

REVIEWED
OAKLAND FIRE DEPARTMENT
BY: *Shyl Stik*
DATE: 3/4/11
ALL INSPECTIONS REQUIRE
48 HOURS NOTICE