



APR 12 '13 PM 3:20

April 11, 2013

Leroy Griffin  
City of Oakland Fire Department  
Fire Prevention Bureau  
250 Frank H. Ogawa Plaza, Suite 3341  
Oakland, CA 94612

**Subject:       Underground Storage Tank Closure**  
**385 26<sup>th</sup> Street, Oakland**

Dear Mr. Griffin,

This report documents the closure of one 550-gallon underground storage tank (UST) at the subject site. The UST was discovered by a paving a grading contractor on February 13, 2013. Cook Environmental Services (CES) was hired by the property owner, the Kyle Milligan and Susan Casentini Trust, to inspect the property on February 14, 2013. CES discovered a buried redwood tank approximately 12 feet in diameter that contained an unknown volume of heating oil.

The structural integrity of the redwood tank had been severely compromised and a large volume of heating oil had impacted surrounding soils. The underground storage tank (UST) was connected to a large cast iron pipe that was probably connected to a fill spout behind the sidewalk on 26<sup>th</sup> Street.

The City of Oakland Fire Department was notified and Cook Environmental Services, Inc (CES) filed an UST removal permit with the Fire Department on March 4, 2013. A copy of the permit is provided as **Attachment A**. On March 18, 2013, Mr. Griffin requested that an unauthorized release form be submitted for the site. A copy of this form is provided in **Attachment B**.

CES retained Fremouw Environmental Services, Inc (FES) to empty the UST. Since the redwood tank was badly decayed, no triple rinse or decontamination procedures could be performed. FES removed approximately 80 gallons of heating oil from the excavation on March 11, 2013. A sample of the heating oil was collected on March 11, 2013 and analyzed for PCBs. PCBs were not detected. The laboratory report for this analysis is included as **Attachment C**. The two drums of heating oil were disposed of as non-RCRA waste. The hazardous waste manifest for the heating oil is provided in **Attachment D**.

CES excavated the UST and contaminated soil from March 11 to 13, 2013. Leroy Griffin of the City of Oakland Fire Prevention Bureau was onsite. Since the redwood tank was badly decomposed, it could not be removed intact and was taken out in pieces and placed in 10 cubic yard roll off bins along with the contaminated soil. Six bins were filled (approximately 60 CY). The soil in four of the bins was classified as non-hazardous and was disposed of at the Potrero Hills landfill in Suisun, California. Non-hazardous waste manifests for these soils are provided in **Attachment E**.

The soil in two of the bins was classified as non-RCRA hazardous waste and was disposed of at the U.S. Ecology landfill in Beatty, Nevada. Hazardous waste manifests for these soils are provided in **Attachment F**.

After excavation activities were complete, CES collected two soil samples from the base of the excavation. Sample S1 was collected from the south end of the excavation at depth of approximately 10 feet below grade. Sample S2 was collected from the north end of the excavation (closest to 26<sup>th</sup> Street) at a depth of approximately 10 feet below grade. Soil samples were collected from the bucket of the excavator and placed in stainless steel sample tubes, labeled and placed on ice in a cooler. Samples were handled using chain-of-custody procedures.

Samples were transported to McCampbell Analytical, Inc. in Pittsburg, California that same day and analyzed for the standard suite of analytes required of a UST containing heating oil. Analyses included total petroleum hydrocarbons as diesel (TPH-d) using EPA method 8015B modified; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA method 8021B; and naphthalene and MtBE using EPA method 8260B. The samples appeared to be contaminated due to staining and hydrocarbon odor.

BTEX and MtBE constituents were not detected in soil samples above laboratory detection limits. TPH-d concentrations range from 6,500 to 11,000 milligrams per kilogram (mg/kg). Naphthalene concentrations range from 10 to 14 mg/kg. The laboratory analytical reports are provided in **Attachment G**.

In conclusion, there has been a release of heating oil from a former redwood UST that was located in a parking lot adjacent to 385 26<sup>th</sup> Street. Approximately 80 cubic yards of soil and redwood debris were removed from the site and disposed of offsite. Residual soil contains up to 11,000 mg/kg of TPH-d. BTEX constituents were not detected. Naphthalene was detected at up to 14 mg/kg. Groundwater was not encountered in the excavation.

The site potentially qualifies for closure under the Low-Threat Underground Storage Tank Case Closure Policy established by the State Water Resources Control Board. The following general criteria for low risk closure have been satisfied:

1. The unauthorized release is located within the service area of a public water system;
2. The unauthorized release consists only of petroleum;
3. The unauthorized ("primary") release from the UST system has been stopped;
4. Free product has been removed to the maximum extent practicable;
5. Secondary source removal has been addressed;
6. Soil or groundwater has been tested for MtBE and the results reported in accordance with Health and Safety Code section 25296.15 and
7. Nuisance as defined by Water Code section 13050 does not exist at the site.

The only criterion that has not been fully satisfied is the development of a conceptual site model that delineates the lateral and vertical extent of TPH contamination in soil and evaluates whether groundwater quality has been affected. We recommend additional investigation to fill this data gap so that the Site can be evaluated for closure under the Low-Threat Underground Storage Tank Case Closure Policy.

Please call me if you have questions or concerns related to this UST closure report.

Very truly yours,  
Cook Environmental Services, Inc.



Tim Cook, P.E.  
President



cc: Susan Casentini, Kyle Milligan and Susan Casentini Trust  
Bruce Paoli, Paoli Construction

**ATTACHMENT A**  
**UST Removal Permit**

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Oakland Fire Department, Fire Prevention Bureau  
 250 Frank H. Ogawa Plaza, Ste. 3341  
 Oakland, CA 94612-2032



(510) 238-3851  
 TTY (510) 238-6884

## Inspection Work Order

Business Name: STUDIO QUERCUS

Reason: Tanks

Address: 385 26TH ST

Scheduled: 2013-02-22 2:30PM

Job (Insp Ref#): 2013-25951

Assigned To: Skillern, Sheryl

Comments: 3/4/13 - Meka Bolds w/Cook Environmental submittal additional documents to this submittal per LG' request. CLIENT IS REQUESTING INSPECTION ON 3/6/13. PLEASE CONFIRM. hro  
 Removal of UST and 1-inspection. Tim Cook w/Cook Environmental Services, 925-478-8390. \$795 paid. hro

Invoice # 2013-01003

Applicant: Tim Cook with Cook Environme

Invoice Amount 795.50

Applicant Ph#: 925-478-8390

Contractor:

Contractor Ph#:

REVIEWED AND APPROVED  
 OAKLAND FIRE DEPARTMENT  
 BY: *Sheryl Skillern*  
 TITLE: *SENIOR HAZ MAINT INS P*  
 DATE: *3/4/13*  
 ALL INSPECTIONS REQUIRE  
 48 HOURS NOTICE



**REVIEWED AND APPROVED**  
**OAKLAND FIRE DEPARTMENT**  
 BY: [Signature]  
 TITLE: Senior Fire Marshal  
 DATE: 3/4/13  
**ALL INSPECTIONS REQUIRE**  
**48 HOURS NOTICE**

CITY OF OAKLAND  
 FIRE PREVENTION BUREAU  
 250 Frank Ogawa Plaza, Suite 334  
 Oakland, California 94612-2032  
 (510) 238-3851

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

Request Submittal Date: 3/4/13

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 26<sup>th</sup> St Ave. 40 feet S of 26<sup>th</sup> St Ave.

Site Address: 385 26<sup>th</sup> St Present storage heating oil

Owner: Kyle Millis and Susan Caserini Trust Address 388 Belmont St. OAKLAND, CA 94610 Phone (510) 891-8893

Applicant: Tim Cook Cook Environmental Services, Inc. Address 1405 Thornton Blvd Ste 208A Walnut Creek, CA 94597 Phone (925) 478-8390

Sidewalk surface to be disturbed X Number of Tanks 1 Capacity 500 Gallons ea.

Remarks: Redwood tank, decomposed, heat oil released to soil

Signature: [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 ckl \_\_\_\_\_ Cash \_\_\_\_\_

Receipt# \_\_\_\_\_ Recv'd by: \_\_\_\_\_

**FACILITY INFORMATION**

Facility/Residence Name \_\_\_\_\_ Business Type \_\_\_\_\_  
Site Address 385 26<sup>th</sup> St City Oakland Zip 94612  
Contact Person SUSAN CASOTTINI Title \_\_\_\_\_ Phone 510 891-8893  
E-Mail CASOTTINI20@hotmail.com Cell Phone 510 388 6608  
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 Cook Environmental Services  
Contract Person Tim Cook Phone 925 478-8390  
Business Address 1485 Traft Blvd Ste 203A City Walnut Creek Zip 94597  
State Contractors License 921387  
Note: Attach a copy of Contractors License, Hazardous Materials Certification, and Workers Compensation

**HAZARDOUS WASTE HAULERS:**

Hazardous Waste Hauler, Tank(s) Fremont Environ Svc EPA ID # \_\_\_\_\_  
Business Address P.O. Box 2875 City Vacaville  
Contact Phil Fremont Phone 707 448-3700  
Tank(s) and piping destination \_\_\_\_\_  
Hazardous Waste Hauler (Rinsate) As Above EPA ID # As Above  
Business address As Above City "  
Contact As Above Phone "  
Note: Include Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_

**SAMPLE COLLECTION AND ANALYSIS:**

Sample Collector Tim Cook P.E. Company Cook Envir Services  
Address 1485 Traft Blvd City Walnut Creek Phone 925 787 6869  
Soil/Water Analysis Laboratory McC Campbell Analytical  
State certification No. 1644 Contact Angela Pydellus Phone 925 252-9269  
Business Address 1534 Willow Pass City Pittsburg Zip 94565

**TANK(S) INFORMATION**

TANK SYSTEM: SIZE (GALLONS)	TANK CONSTRUCTION	SUBSTANCE(S) PREVIOUSLY CONTAINED
TANK 1 <u>500(?)</u>	<u>Reelwood</u>	
TANK 2 _____	_____	_____
TANK 3 _____	_____	_____
TANK 4 _____	_____	_____

REVIEWED AND APPROVED  
OAKLAND FIRE DEPARTMENT  
BY: [Signature]  
TITLE: Senior Hazardous Waste Inspr  
DATE: 3/4/13  
ALL INSPECTIONS REQUIRE  
48 HOURS NOTICE

**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 Tim Cook Applicant  Date 2/22/13  
Print Signature

"This box for OFM use only"

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Inspectors Signature  Approval Date 3/4/13



REVIEWED AND APPROVED  
OAKLAND FIRE DEPARTMENT  
BY: [Signature]  
TITLE: SEMI-ANNUAL HAZ MAT IAS  
DATE: 3/5/13  
ALL INSPECTIONS REQUIRE  
48 HOURS NOTICE

# HEALTH AND SAFETY PLAN FOR UNDERGROUND STORAGE TANK REMOVAL

385 26<sup>th</sup> Street  
Oakland, California 95209

PREPARED FOR:  
Paoli Construction  
47 Bret Harte Lane  
San Rafael, CA 94901

SUBMITTED TO:  
Leroy Griffin  
City of Oakland Fire Prevention Bureau  
250 Frank H Ogawa Plaza, Suite 3341  
Oakland, CA 94612

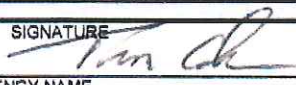
PREPARED BY:  
Cook Environmental Services, Inc.  
1485 Treat Boulevard, Suite 203A  
Walnut Creek, California

February 25, 2013

**ATTACHMENT B**  
**Notice of Unauthorized Release**

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## UNDERGROUND STORAGE TANK (UST) SITE - UNAUTHORIZED RELEASE / CONTAMINATION REPORT

EMERGENCY <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.	
REPORT DATE March 18, 2013		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Tim Cook		PHONE (925) 478-8390	SIGNATURE 	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> REGIONAL BOARD <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Cook Environmental Services, Inc.		
	ADDRESS 1485 Treat Blvd., Ste 203A Walnut Creek, CA 94597 <small>STREET CITY STATE ZIP</small>				
RESPONSIBLE PARTY	NAME Kyle Milligan and Susan Casentini Trust		CONTACT PERSON Susan Casentini	PHONE (510) 891-8893	
	ADDRESS 388 Belmont St. Oakland CA 94610 <small>STREET CITY STATE ZIP</small>				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) NA		OPERATOR NA	PHONE (NA)	
	ADDRESS 385 26th Street, Oakland, Alameda County, CA 94612 <small>STREET CITY COUNTY ZIP</small>				
	CROSS STREET Telegraph Ave.				
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME City of Oakland Fire Department			PHONE (510) 238-7759	
	REGIONAL BOARD San Francisco Bay (Region 2)			PHONE (510) 622-2300	
SUBSTANCES INVOLVED	(1) Heating Oil		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> Unknown		
	(2)		<input type="checkbox"/> Unknown		
DISCOVERY/ABATEMENT	DATE DISCOVERED February 14, 2013	HOW DISCOVERED <input type="checkbox"/> Tank Test <input type="checkbox"/> Tank Removal <input type="checkbox"/> Nuisance Conditions <input type="checkbox"/> Inventory Control <input type="checkbox"/> Subsurface Monitoring <input checked="" type="checkbox"/> Other			
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> Unknown	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> Remove Contents <input checked="" type="checkbox"/> Close Tank <input type="checkbox"/> Repair Tank <input type="checkbox"/> Change Procedure <input type="checkbox"/> Replace Tank <input type="checkbox"/> Other <input type="checkbox"/> Repair Piping			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, DATE _____				
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> Tank <input type="checkbox"/> Piping <input type="checkbox"/> Dispenser <input type="checkbox"/> Delivery Problem <input type="checkbox"/> Submersible Turbine Pump (STP) <input type="checkbox"/> Other		CAUSE(S) <input checked="" type="checkbox"/> Spill <input type="checkbox"/> Overfill <input type="checkbox"/> Physical/Mechanical Damage <input type="checkbox"/> Corrosion <input type="checkbox"/> Installation Problem <input type="checkbox"/> Unknown <input type="checkbox"/> Other		
	CHECK ONE ONLY <input checked="" type="checkbox"/> Undetermined <input type="checkbox"/> Soil Only <input type="checkbox"/> Groundwater <input type="checkbox"/> Drinking Water - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> Open - Site Assessment <input type="checkbox"/> Open - Verification Monitoring <input type="checkbox"/> Open - Assessment & Interim Remedial Action <input type="checkbox"/> Open - Inactive <input checked="" type="checkbox"/> Open - Remediation <input type="checkbox"/> Closed - No Further Action Required				
	CHECK APPROPRIATE ACTION(S) Human health exposure control? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Groundwater migration control? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> No Action Required (NAR) <input type="checkbox"/> Excavate & Treat (ET) <input type="checkbox"/> Treatment at Hookup (TH) <input type="checkbox"/> Other <input type="checkbox"/> Excavate & Dispose (ED) <input type="checkbox"/> Free Product Removal (FPR) <input type="checkbox"/> Replace Supply (RS)				
COMMENTS	80 gals of heating oil and 60 tons of contaminated soil have been excavated and disposed of offsite. Verification soil samples were collected from the bottom of the excavation under the direction of the City of Oakland Fire Dept. Lab analysis pending.				

**ATTACHMENT C**  
**Laboratory Analytical Report for Heating Oil**



## Analytical Report

Cook Environmental Services, Inc.  1485 Treat Blvd, Ste. 203A  Walnut Creek, CA 94597	Client Project ID: #1095; Paoli Construction	Date Sampled: 03/11/13
		Date Received: 03/11/13
	Client Contact: Tim Cook	Date Reported: 03/12/13
	Client P.O.:	Date Completed: 03/12/13

**WorkOrder: 1303304**

March 12, 2013

Dear Tim:

Enclosed within are:

- 1) The results of the 1 analyzed sample from your project: **#1095; Paoli Construction**,
- 2) QC data for the above sample, and
- 3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.

*The analytical results relate only to the items tested.*



303304

McCAMPBELL ANALYTICAL, INC.  
1534 Willow Pass Rd.  
Pittsburg, CA 94565

Website: [www.mccampbell.com](http://www.mccampbell.com)  
Telephone: (877) 252-9262

Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
Fax: (925) 252-9269

**RUSH**

**CHAIN OF CUSTODY-RECORD**

TURN AROUND TIME

RUSH  24 HR  48 HR  72 HR  5 DAY

EDF Required? Coelt (Normal) Yes  Write On (DW) No

Report To: **Tim Cook** Bill To:  
Company: **Cook Environmental Services, Inc.**  
1485 Treat Blvd, Suite 203A  
Walnut Creek, CA 94597 E-Mail: [tcook@cookenvironmental.com](mailto:tcook@cookenvironmental.com)  
Tele: (925) 478-8390 Fax: (925) 478-8394  
Project #: 1095 Project Name: **Paoli Construction**  
Project Location: **385 26<sup>th</sup> St., Oakland**  
Sampler Name & Signature:

Analysis Request		Other	Comments
BTEX (8021B)			Filter Samples for Metals analysis: Yes / No
TPH as Diesel (8015) & TPHmo			
EPA 8260 - naphthalene			
8940-Phase 2-naphthalene			
EPA 601 / 8010 / 8021			
BIEX ONLY (EPA 602 / 8020)			
EPA 608 / 8081			
EPA 608 / 8082 PCB's ONLY			
EPA 8140 / 8141			
EPA 8150 / 8151			
EPA 8260 (9 oxys only)			
EPA 525 / 625 / 8270			
PAH's / PNA's by EPA 625 / 8270 / 8310			
CAM-17 Metals (6010 / 6020)			
LUFT 5 Metals (6010 / 6020)			
Lead (200.8 / 200.9 / 6010)			
SPLC Leach			
TTLIC Leach			

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED								
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other					
0-1	HEATING OIL FROM UST	3/11	9am	1	1 liter	X					X								

Relinquished By: *[Signature]* Date: 3/11/13 Time: 1695 Received By: *[Signature]*  
 Relinquished By: *[Signature]* Date: 3/11/13 Time: 1745 Received By: *[Signature]*  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

ICE/C 3.7 COMMENTS:  
 GOOD CONDITION \_\_\_\_\_  
 HEAD SPACE ABSENT \_\_\_\_\_  
 DECHLORINATED IN LAB \_\_\_\_\_  
 APPROPRIATE CONTAINERS \_\_\_\_\_  
 PRESERVED IN LAB \_\_\_\_\_  
 VOAS | O&G | METALS | OTHER  
 PRESERVATION | pH<1



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

WorkOrder: 1303304

ClientCode: CESW

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  EQUIS   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

**Report to:**

Tim Cook  
Cook Environmental Services, Inc.  
1485 Treat Blvd, Ste. 203A  
Walnut Creek, CA 94597  
(925) 478-8390    FAX: 925-937-1759

Email: tcook@cookenvironmental.com  
cc:  
PO:  
ProjectNo: #1095; Paoli Construction

**Bill to:**

Tim Cook  
Cook Environmental Services, Inc.  
1485 Treat Blvd, Ste. 203A  
Walnut Creek, CA 94597

**Requested TAT: 1 day**

*Date Received: 03/11/2013*

*Date Printed: 03/11/2013*

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)																	
					1	2	3	4	5	6	7	8	9	10	11	12						
1303304-001	0-1	Water	3/11/2013 9:00	<input type="checkbox"/>	A																	

**Test Legend:**

1	8081PCB_W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Jena Alfaro

**Comments:**

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **Cook Environmental Services, Inc.**

Date and Time Received: **3/11/2013 5:58:02 PM**

Project Name: **#1095; Paoli Construction**

LogIn Reviewed by: **Jena Alfaro**

WorkOrder N°: **1303304** Matrix: Water

Carrier: Rob Pringle (MAI Courier)

#### Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

#### Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 3.7°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE )

\* NOTE: If the "No" box is checked, see comments below.

-----  
 Comments:





McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269  
http://www.mcccampbell.com / E-mail: main@mcccampbell.com

Cook Environmental Services, Inc.  1485 Treat Blvd, Ste. 203A  Walnut Creek, CA 94597	Client Project ID: #1095; Paoli Construction	Date Sampled: 03/11/13
	Client Contact: Tim Cook	Date Received: 03/11/13
	Client P.O.:	Date Extracted: 03/11/13
		Date Analyzed: 03/11/13

**Organochlorine Pesticides by GC-ECD (8080 Basic Target List) + PCBs\***

Extraction Method: SW3510C

Analytical Method: SW8081A/8082

Work Order: 1303304

Lab ID	1303304-001A			Reporting Limit for DF =1	
Client ID	0-1				
Matrix	W			S	W
DF	20				

Compound	Concentration			µg/kg	µg/L
Aldrin	ND<0.10			NA	0.005
a-BHC	ND<0.20			NA	0.01
b-BHC	ND<0.10			NA	0.005
d-BHC	ND<0.10			NA	0.005
g-BHC	ND<0.40			NA	0.02
Chlordane (Technical)	ND<2.0			NA	0.1
a-Chlordane	ND<1.0			NA	0.05
g-Chlordane	ND<1.0			NA	0.05
p,p-DDD	ND<0.20			NA	0.01
p,p-DDE	ND<0.20			NA	0.01
p,p-DDT	ND<0.20			NA	0.01
Dieldrin	ND<0.20			NA	0.01
Endosulfan I	ND<0.40			NA	0.02
Endosulfan II	ND<0.40			NA	0.02
Endosulfan sulfate	ND<1.0			NA	0.05
Endrin	ND<0.20			NA	0.01
Endrin aldehyde	ND<1.0			NA	0.05
Endrin ketone	ND<1.0			NA	0.05
Heptachlor	ND<0.20			NA	0.01
Heptachlor epoxide	ND<0.20			NA	0.01
Hexachlorobenzene	ND<10			NA	0.5
Hexachlorocyclopentadiene	ND<20			NA	1.0
Methoxychlor	ND<2.0			NA	0.1
Toxaphene	ND<10			NA	0.5
Aroclor1016	ND<10			NA	0.5
Aroclor1221	ND<10			NA	0.5
Aroclor1232	ND<10			NA	0.5
Aroclor1242	ND<10			NA	0.5
Aroclor1248	ND<10			NA	0.5
Aroclor1254	ND<10			NA	0.5
Aroclor1260	ND<10			NA	0.5
PCBs, total	ND<10			NA	0.5

**Surrogate Recoveries (%)**

%SS:	108		
Comments	a3		

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

# surrogate diluted out of range or surrogate coelutes with another peak.

a3) sample diluted due to high organic content.



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1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269  
http://www.mcccampbell.com / E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8081A/8082

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 75381

WorkOrder: 1303304

EPA Method: SW8081A/8082		Extraction: SW3510C				Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aldrin	N/A	1.25	N/A	N/A	N/A	95	N/A	N/A	70 - 130
g-BHC	N/A	1.25	N/A	N/A	N/A	100	N/A	N/A	70 - 130
p,p-DDT	N/A	1.25	N/A	N/A	N/A	85.7	N/A	N/A	70 - 130
Dieldrin	N/A	1.25	N/A	N/A	N/A	109	N/A	N/A	70 - 130
Endrin	N/A	1.25	N/A	N/A	N/A	102	N/A	N/A	70 - 130
Heptachlor	N/A	1.25	N/A	N/A	N/A	95.9	N/A	N/A	70 - 130
%SS:	N/A	1.25	N/A	N/A	N/A	81	N/A	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 75381 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303304-001A	03/11/13 9:00 AM	03/11/13	03/11/13 11:36 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

**ATTACHMENT D**  
**Hazardous Waste Manifest for Heating Oil**



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		Generator ID Number <b>CAC002722810</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 424-9300 CHEMTREC</b>	4. Manifest Tracking Number <b>010199398 JJK</b>	
5. Generator's Name and Mailing Address <b>TIM COOK 1485 TREAT BLVD. STE 203A WALNUT CREEK CA 94597</b>			Generator's Site Address (if different than mailing address) <b>TIM COOK 385 26TH STREET OAKLAND CA 94901</b>			
6. Transporter 1 Company Name <b>FREMOUW ENVIRONMENTAL SERVICES INC</b>			U.S. EPA ID Number <b>CAR000171017</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>GEM OF RANCHO CORDOVA LLC dba PSC ENV S 11855 WHITE ROCK ROAD RANCHO CORDOVA CA 95742</b>			U.S. EPA ID Number <b>CAD980884183</b>			
Facility's Phone: <b>916 351-0880</b>						
GENERATOR	9a. HM	9b. U.S. DOT Descriptor (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
		1. <b>NON-PCRA HAZARDOUS WASTE LIQUIDS (OILY SLUDGE)</b>	<b>2</b>	<b>DM</b>	<b>80</b>	<b>G</b>
		2.				
		3.				
		4.				
13. Waste Codes <b>343</b>						
14. Special Handling Instructions and Additional Information <b>1) 388104 - City Sludge ERG#171 2) DM55</b>						
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. <b>HANDLERS TO BE HIGH TRAINED AND USE PPE</b>						
Generator's/Offeror's Printed/Typed Name <b>XT Environmental Services Inc</b>			Signature <i>[Signature]</i>		Month <b>03</b>	Day <b>11</b>
					Year <b>13</b>	
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	17. Transporter Acknowledgment of Receipt of Materials					
TRANSPORTER	Transporter 1 Printed/Typed Name <b>Patrick Jordan</b>			Signature <i>[Signature]</i>		Month <b>03</b>
						Day <b>11</b>
					Year <b>13</b>	
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	18b. Alternate Facility (or Generator)			Manifest Reference Number:		
	Facility's Phone:			U.S. EPA ID Number		
18c. Signature of Alternate Facility (or Generator)					Month	Day
					Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. <b>1141</b>		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name <b>Andrea Lewis</b>			Signature <i>[Signature]</i>		Month <b>13</b>	Day <b>19</b>
					Year <b>13</b>	

**ATTACHMENT E**  
**Non-Hazardous Waste Manifests for Soil**



POTRERO HILLS LANDFILL, INC.  
 Weighed at:  
 POTRERO HILLS LANDFILL, INC.  
 P.O. Box 68  
 FAIRFIELD, CA 94533

Deputy: Janee Quinonez  
 Deposit: Janee Quinonez  
 BILL TO: 2623  
 FREMOUW ENVIRONMENTAL SERVICES

Vehicle ID:  
 Reference: PHLF13075  
 Tird: 14  
 HaulCust#: ORIGIN-OAKLAND  
 DriverOn?: N  
 Route: 031213MFA BIN J616  
 TRLR/LP#: 17030D1

Origin: OAKLAND  
 DATE IN: 03/20/2013 TIME IN: 12:58:37  
 DATE OUT: 03/20/2013 TIME OUT: 13:18:15

INBOUND TICKET Number: 01-356019

SCALE 1 GROSS WT. 44520 LB  
 SCALE 3 TARE WT. 27360 LB  
 NET WEIGHT 17160 LB

Qty Description Amount  
 8.58 Profile Soil-T Disp

BIN# J616

HANDLERS TO BE 40HR TRAINED AND USE PPE.

NON-HAZARDOUS WASTE MANIFEST

1. Gene

5. Generator's Name and Mailing Address  
 SUSAN CASENTINI TR  
 385 26TH STREET  
 OAKLAND CA 94901

Generator's Phone: 925

6. Transporter 1 Company Name  
 FREMOUW ENVIRO

7. Transporter 2 Company Name

8. Designated Facility Name and Site Address  
 POTRERO HILLS LANDFILL  
 3675 POTRERO HILLS  
 SUISUN CA 94585

Facility's Phone: 707 432-462

9. Waste Shipping Name and Description

1. NON HAZARDOUS

2.

3.

4.

13. Special Handling Instructions and Additional

None 4. Waste Tracking Number  
 HEMFREC 031213MFA16  
 (different than mailing address)

U.S. EPA ID Number

CAR000171017

U.S. EPA ID Number

U.S. EPA ID Number

type	11. Total Quantity	12. Limit Wt/Vol	
n	13	Y	NONE

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name: X Kyle Milligan, Susan Casentini Trust Signature: X Tim Cole Agent of Generator Month: 03 Day: 12 Year: 13

15. International Shipments  Import to U.S.  Export from U.S. Port of entry: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name: PATRICK RAPOZO Signature: PRAO Month: 03 Day: 12 Year: 13  
 Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy  
 17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a  
 Printed/Typed Name: Signature: Month: 03 Day: 20 Year: 13



POTRERO HILLS LANDFILL, INC.  
 Weighed at:  
 POTRERO HILLS LANDFILL, INC.  
 P.O. Box 68  
 FAIRFIELD, CA 94533

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator

5. Generator's Name and Mailing Address  
**SUSAN CASENTINI TRUST**  
**385 26TH STREET**  
**OAKLAND CA 94601**

Deputy: Jaclyn Deleon  
 Deposit: Jaclyn Deleon

Generator's Phone: **925 4**  
 6. Transporter 1 Company Name  
**FREMOW ENVIRONN**

BILL TO: 2623  
 FREMOW ENVIRONMENTAL SERVICES

7. Transporter 2 Company Name

8. Designated Facility Name and Site Address  
**POTRERO HILLS LANDFILL**  
**3675 POTRERO HILLS LA**  
**SUISUN CA 94585**

Vehicle ID: DD1  
 Reference: PHLF13075  
 Grid: 14  
 HaulCust#: ORIGIN-OAKLAND  
 DriverOn?: N

Facility's Phone: **707 432-4627**

9. Waste Shipping Name and Description

Route: 031313MF31  
 1RLR/LPH: BINS R27963PL & R23768PL

1. **NON HAZARDOUS SO**

Origin: OAKLAND  
 DATE IN: 03/25/2013 TIME IN: 12:52:46  
 DATE OUT: 03/25/2013 TIME OUT: 13:45:51

2.

INBOUND TICKET Number: 01-357038

3.

SCALE 1 GROSS WT. 78780 LB  
 SCALE 3 TARE WT. 40420 LB  
 NET WEIGHT 38360 LB

4.

Qty Description Amount  
 19.18 Profile Soil-T Disp

13. Special Handling Instructions and Additional In

**BIN #'s R27963PL**

**HANDLERS TO BE 40HR TRAINED AND USE PPE.**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/disclosed, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name: **X Kyle Miller of Susan Casentini Trust** Signature: *[Signature]* Month: **03** Day: **13** Year: **13**

15. International Shipments:  Import to U.S.  Export from U.S. Port of entry: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name: **Patrick Raposo** Signature: *[Signature]* Month: **03** Day: **13** Year: **13**

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy  
 17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:

Facility's Phone: 17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a. Printed/Typed Name: Signature: Month: Day: Year:

4. Waste Tracking Number  
**IFEC 031313MF31**  
 (rent than mailing address)

U.S. EPA ID Number  
**CAR000171017**

U.S. EPA ID Number

U.S. EPA ID Number

11. Total Quantity	12. Unit Wt./Vol.	
25	Y	NONE



DUPLICATE TICKET

POTRERO HILLS LANDFILL, INC.  
Weighed at:  
POTRERO HILLS LANDFILL, INC.  
P.O. Box 88  
FAIRFIELD, CA 94533

Deputy: Janee Quinonez  
Deposit: Janee Quinonez  
BILL TO: 2623  
FREMOW ENVIRONMENTAL SERVICES

Vehicle ID:  
Reference: PHLF13076  
Grid: 14  
HaulCust#: ORIGIN-OAKLAND  
DriverOn?: N  
TRLR/LP#: 1070301

Origin: OAKLAND  
DATE IN: 03/20/2013 TIME IN: 13:32:29  
DATE OUT: 03/20/2013 TIME OUT: 13:54:00

INBOUND TICKET Number: 01-356028

SCALE 1 GROSS WT. 44840 LB  
SCALE 3 TARE WT. 27360 LB  
NET WEIGHT 17480 LB

Qty Description Amount  
8.74 Profile Soil-T Disp

4. Waste Tracking Number  
**031213 MF31A**  
mailing address)

U.S. EPA ID Number  
**CAR000171017**

U.S. EPA ID Number

U.S. EPA ID Number

11. Total Quantity	12. Unit WL/Vol.	
12	Y	NONE

ysical provided to disposal facility)

HANDLERS TO BE 40HR. TRAINED AND USE PPE.

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

5. Generator's Name and Mailing Address  
**SUSAN CASENTINI TRUST**  
385 26TH STREET  
OAKLAND CA 94601  
Generator's Phone: 925 478

6. Transporter 1 Company Name  
**FREMOW ENVIRONMEN**

7. Transporter 2 Company Name

8. Designated Facility Name and Site Address  
**POTRERO HILLS LANDFILL**  
3675 POTRERO HILLS LANE  
SUISUN CA 94585  
Facility's Phone: 707 432-4627

9. Waste Shipping Name and Description  
1. **NON-HAZARDOUS SOLID**

2.

3.

4.

13. Special Handling Instructions and Additional Info  
**BIN# JC 23**      **YIM1974**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name: **X Kyle Milligan & Susan Casentini Trust**  
Signature: *[Signature]*      Month: **03** Day: **12** Year: **13**

15. International Shipments:  Import to U.S.       Export from U.S.      Part of emergency:      Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
Transporter Signature (for exports only):  
Transporter 1 Printed/Typed Name: **PATRICK RAPPO**  
Signature: *[Signature]*      Month: **03** Day: **12** Year: **13**

Transporter 2 Printed/Typed Name:      Signature:      Month:      Day:      Year:

17. Discrepancy  
17a. Discrepancy Indication Spec:  Quantity       Type       Residue       Partial Rejection       Full Rejection

Manifest Reference Number:      U.S. EPA ID Number:

17b. Alternate Facility (or Generator)  
Facility's Phone:      Month:      Day:      Year:  
17c. Signature of Alternate Facility (or Generator):

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 17a  
Printed/Typed Name: **JCE**      Signature: *[Signature]*      Month: **03** Day: **20** Year: **13**



**ATTACHMENT F**  
**Hazardous Waste Manifests for Soil and**  
**Redwood Tank Debris**

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number CAC002722310	2. Page 1 of 1	3. Emergency Response Phone 800 424-9300 CHEMTREC	4. Manifest Tracking Number 010199064 JJK			
5. Generator's Name and Mailing Address T.M. COOK 4453 NORTH 34th AVE FRESNO CALIF 93727			Generator's Site Address (if different than mailing address) T.M. COOK 395 16th STREET SAN JUAN CA 94001					
Generator's Phone: 555-478-9300								
6. Transporter 1 Company Name FREMOW ENVIRONMENTAL SERVICES INC			U.S. EPA ID Number CAR000171017					
7. Transporter 2 Company Name <del>FREMOW ENVIRONMENTAL INTERNATIONAL</del>			U.S. EPA ID Number <del>CAR000171017</del>					
8. Designated Facility Name and Site Address US ECOLOGY INC HWY 95 11MI S OF CY 16 ACRES BEATTY NV 89003			U.S. EPA ID Number NYT330010000					
Facility's Phone: 775 553-2203								
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		1 NON-RCRA HAZARDOUS WASTE, SOLID DEBRIS: ABERBENT (oil (contaminated) soil)	No.	Type				
			2	CM EM	30 80	8 216 79	223	
14. Special Handling Instructions and Additional Information 1W076-62-9-0 - City Debris PROMPT Oil (contaminated) Soil EPC#171 HANDLERS TO BE SUIT TRAINED AND USE PPE								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offlor's Printed/Typed Name T.M. COOK			Signature T.M. COOK		Month	Day	Year	
					03	11	13	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials							
TRANSPORTER	Transporter 1 Printed/Typed Name Patrick Jordan			Signature [Signature]		Month	Day	Year
						03	11	13
Transporter 2 Printed/Typed Name			Signature		Month	Day	Year	
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	18b. Alternate Facility (or Generator)			Manifest Reference Number:				
	Facility's Phone:			U.S. EPA ID Number:				
18c. Signature of Alternate Facility (or Generator)						Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. 1176		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a								
Printed/Typed Name T.M. COOK			Signature T.M. COOK		Month	Day	Year	
					3	15	13	

**ATTACHMENT G**  
**Laboratory Analytical Report for Soil**  
**Samples**

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**McC Campbell Analytical, Inc.**  
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269  
<http://www.mcccampbell.com> / E-mail: [main@mcccampbell.com](mailto:main@mcccampbell.com)

## Analytical Report

Cook Environmental Services, Inc.  1485 Treat Blvd, Ste. 203A  Walnut Creek, CA 94597	Client Project ID: #1095; Paoli Construction	Date Sampled: 03/13/13
		Date Received: 03/13/13
	Client Contact: Tim Cook	Date Reported: 03/19/13
	Client P.O.:	Date Completed: 03/19/13

**WorkOrder: 1303385**

April 10, 2013

Dear Tim:

Enclosed within are:

- 1) The results of the 2 analyzed samples from your project: **#1095; Paoli Construction**,
- 2) QC data for the above samples, and
- 3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.

*The analytical results relate only to the items tested.*



1303385

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd.  
Pittsburg, CA 94565

Website: [www.mccampbell.com](http://www.mccampbell.com)  
Telephone: (877) 252-9262

Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH  24 HR  48 HR  72 HR  5 DAY

EDF Required? Coelt (Normal)  Yes  Write On (DW)  No


Report To: **Tim Cook** Bill To:

Company: **Cook Environmental Services, Inc.**  
1485 Treat Blvd, Suite 203A  
Walnut Creek, CA 94597 E-Mail: [tcCook@cookenvironmental.com](mailto:tcCook@cookenvironmental.com)

Tele: (925) 478-8390 Fax: (925) 478-8394

Project #: 1095 Project Name: **Paoli Construction**

Project Location: **385 26<sup>th</sup> St., Oakland**

Sampler Name & Signature: 





Analysis Request

Other

Comments

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				BTEX (8021B)	TPH as Diesel (8015) & TPHmo	EPA 8260 - naphthalene	8310 Plus 2-methyl naphthalene	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB'S ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 8260 (9 oxys only)	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	SPLC Leach	TTLC Leach											
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other																													
S-1	are	3/13		1	Tube	X					X					X	X	X																									
S-2	near street	3/13		1	Tube	X					X					X	X	X																									

Filter Samples for Metals analysis: Yes / No

Relinquished By: 	Date: 3/13	Time: 12:20	Received By: 
Relinquished By: 	Date: 3/13/15	Time:	Received By: 
Relinquished By:	Date:	Time:	Received By:

ICEA 218 COMMENTS:

GOOD CONDITION \_\_\_\_\_  
 HEAD SPACE ABSENT \_\_\_\_\_  
 DECHLORINATED IN LAB \_\_\_\_\_  
 APPROPRIATE CONTAINERS \_\_\_\_\_  
 PRESERVED IN LAB \_\_\_\_\_

PRESERVATION VOAS | O&G | METALS | OTHER  
 pH-2

McC Campbell Analytical, Inc.

1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1303385

ClientCode: CESW

WaterTrax    WriteOn    EDF    Excel    EQulS    Email    HardCopy    ThirdParty    J-flag

Report to:

Tim Cook  
 Cook Environmental Services, Inc.  
 1485 Treat Blvd, Ste. 203A  
 Walnut Creek, CA 94597  
 (925) 478-8390   FAX: 925-937-1759

Email: tcook@cookenvironmental.com  
 cc:  
 PO:  
 ProjectNo: #1095; Paoli Construction

Bill to:

Tim Cook  
 Cook Environmental Services, Inc.  
 1485 Treat Blvd, Ste. 203A  
 Walnut Creek, CA 94597

Requested TAT: 5 days

Date Received: 03/13/2013

Date Printed: 03/13/2013

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1303385-001	S-1	Soil	3/13/2013	<input type="checkbox"/>	A	A	A										
1303385-002	S-2	Soil	3/13/2013	<input type="checkbox"/>	A	A	A										

Test Legend:

1	8260VOC_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
 Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **Cook Environmental Services, Inc.** Date and Time Received: **3/13/2013 3:28:27 PM**  
 Project Name: **#1095; Paoli Construction** Login Reviewed by: **Jena Alfaro**  
 WorkOrder N°: **1303385** Matrix: Soil Carrier: Rob Pringle (MAI Courier)

#### Chain of Custody (COC) Information

Chain of custody present? Yes  No   
 Chain of custody signed when relinquished and received? Yes  No   
 Chain of custody agrees with sample labels? Yes  No   
 Sample IDs noted by Client on COC? Yes  No   
 Date and Time of collection noted by Client on COC? Yes  No   
 Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes  No  NA   
 Shipping container/cooler in good condition? Yes  No   
 Samples in proper containers/bottles? Yes  No   
 Sample containers intact? Yes  No   
 Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  No   
 Container/Temp Blank temperature Cooler Temp: 2.8°C NA   
 Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted   
 Sample labels checked for correct preservation? Yes  No   
 Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA   
 Samples Received on Ice? Yes  No

(Ice Type: WET ICE )

\* NOTE: If the "No" box is checked, see comments below.

Comments:









**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269  
http://www.mccampbell.com / E-mail: main@mccampbell.com

Cook Environmental Services, Inc.  1485 Treat Blvd, Ste. 203A  Walnut Creek, CA 94597	Client Project ID: #1095; Paoli Construction	Date Sampled: 03/13/13
	Client Contact: Tim Cook	Date Received: 03/13/13
	Client P.O.:	Date Analyzed: 03/14/13-03/15/13
		Date Extracted: 03/13/13

**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE\***

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1303385

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	S-1	S	---	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	200	---#	d7
002A	S-2	S	---	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	200	110	d7

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

# cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:  
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram



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http://www.mccampbell.com / E-mail: main@mccampbell.com

Cook Environmental Services, Inc. 1485 Treat Blvd, Ste. 203A Walnut Creek, CA 94597	Client Project ID: #1095; Paoli Construction	Date Sampled: 03/13/13
	Client Contact: Tim Cook	Date Received: 03/13/13
	Client P.O.:	Date Extracted: 03/13/13
		Date Analyzed: 03/15/13

### Total Extractable Petroleum Hydrocarbons\*

Extraction method: SW3550B

Analytical methods: SW8015B

Work Order: 1303385

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1303385-001A	S-1	S	11,000	11,000	100	101	e7,e1,e2
1303385-002A	S-2	S	6500	5200	50	102	e1,e7,e2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

\* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:  
 e1) unmodified or weakly modified diesel is significant  
 e2) diesel range compounds are significant; no recognizable pattern  
 e7) oil range compounds are significant

DHS ELAP Certification 1644

 Angela Rydelius, Lab Manager



**QC SUMMARY REPORT FOR SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 75463

WorkOrder: 1303385

EPA Method: SW8015B		Extraction: SW3550B					Spiked Sample ID: 1303388-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH-Diesel (C10-C23)	11	40	NR	NR	NR	98	N/A	N/A	70 - 130	
%SS:	82	25	NR	NR	NR	93	N/A	N/A	70 - 130	
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 75463 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303385-001A	03/13/13	03/13/13	03/15/13 9:17 PM	1303385-002A	03/13/13	03/13/13	03/15/13 11:35 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ;  $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$ .  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.





**QC SUMMARY REPORT FOR SW8260B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 75471

WorkOrder: 1303385

EPA Method: SW8260B		Extraction: SW5030B					Spiked Sample ID: 1303385-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
tert-Amyl methyl ether (TAME)	ND<1	0.050	NR	NR	NR	90.8	N/A	N/A	70 - 130	
Benzene	ND<1	0.050	NR	NR	NR	95.4	N/A	N/A	70 - 130	
t-Butyl alcohol (TBA)	ND<10	0.20	NR	NR	NR	112	N/A	N/A	70 - 130	
Chlorobenzene	ND<1	0.050	NR	NR	NR	95.4	N/A	N/A	70 - 130	
1,2-Dibromoethane (EDB)	ND<0.8	0.050	NR	NR	NR	101	N/A	N/A	70 - 130	
1,2-Dichloroethane (1,2-DCA)	ND<0.8	0.050	NR	NR	NR	101	N/A	N/A	70 - 130	
Diisopropyl ether (DIPE)	ND<1	0.050	NR	NR	NR	99.2	N/A	N/A	70 - 130	
Ethyl tert-butyl ether (ETBE)	ND<1	0.050	NR	NR	NR	99.5	N/A	N/A	70 - 130	
Methyl-t-butyl ether (MTBE)	ND<1	0.050	NR	NR	NR	99.5	N/A	N/A	70 - 130	
Toluene	ND<1	0.050	NR	NR	NR	104	N/A	N/A	70 - 130	
Trichloroethene	ND<1	0.050	NR	NR	NR	93	N/A	N/A	70 - 130	
%SS1:	99	0.12	NR	NR	NR	97	N/A	N/A	70 - 130	
%SS2:	107	0.12	NR	NR	NR	115	N/A	N/A	70 - 130	
%SS3:	87	0.012	NR	NR	NR	112	N/A	N/A	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
 NONE

BATCH 75471 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303385-001A	03/13/13	03/13/13	03/14/13 1:22 AM	1303385-002A	03/13/13	03/13/13	03/14/13 2:04 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).  
 \* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.  
 Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 75465

WorkOrder: 1303385

EPA Method: SW8021B/8015Bm		Extraction: SW5030B					Spiked Sample ID: 1303387-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH(btex) <sup>£</sup>	ND	0.60	95.9	101	5.38	99.2	70 - 130	20	70 - 130	
MTBE	ND	0.10	74.2	81.5	8.79	76.6	70 - 130	20	70 - 130	
Benzene	ND	0.10	98.8	104	4.90	98.2	70 - 130	20	70 - 130	
Toluene	ND	0.10	95.8	100	4.13	96.2	70 - 130	20	70 - 130	
Ethylbenzene	ND	0.10	97.9	101	2.91	96.2	70 - 130	20	70 - 130	
Xylenes	ND	0.30	98	101	3.25	97.4	70 - 130	20	70 - 130	
%SS:	110	0.10	79	83	5.12	100	70 - 130	20	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
 NONE

BATCH 75465 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303385-001A	03/13/13	03/13/13	03/14/13 6:06 AM	1303385-002A	03/13/13	03/13/13	03/15/13 3:18 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ;  $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$ .  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 £ TPH(btex) = sum of BTEX areas from the FID.  
 # cluttered chromatogram; sample peak coelutes with surrogate peak.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.