

Underground Storage Tank System Closure Report

for
Heating Fuel UST

located at:

2400 Union Street
Oakland, CA 94607

Prepared for:

Acel Associates, LLC
2400 Union Street
Oakland, CA 94607

Prepared by:



Western Abatement, Inc.
530 Boulder Ct, Suite 106,
Pleasanton, CA 94566
Phone 925-485-3660
CSLB License #591839 • DOSH #191

and



McElligott Consulting
41547 Chadbourne Drive
Fremont, CA

December 14, 2015

EXECUTIVE SUMMARY

Acel Associates, LLC (AA) retained Western Abatement (WA) and its subcontractor, McElligott Consulting (MC), to develop a UST system closure workplan and site specific health and safety plan to effect the closure of the UST tank system located at AA's property at 2400 Union Street Oakland, CA 94607. (AA is the property owner; Mueller Nicholl is the operating company at this address and the original removal permit and workplan was prepared using this name.)

This Closure Report complies with City of Oakland requirements for Tank Closure Reports, with the following general description of the closure activities:

- Description of tank, fittings and piping conditions. Size and former contents; notes of 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 Systems 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 tank and piping was removed, cleaned and disposed of as scrap metal. The excavation was filled with engineered filled (low strength cement and pea gravel mix) and the sidewalk replaced per City of Oakland specifications. No groundwater was encountered in the excavation and residual petroleum in soil samples in the tank pit were consistent with low concentrations of heating oil at levels not considered a risk to groundwater or people. No further action is required or necessary.

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1.0 INTRODUCTION

Acel Associates, LLC (AA) retained Western Abatement (WA) and its subcontractor, McElligott Consulting (MC), to develop a UST system closure workplan and site specific health and safety plan to effect the closure of the UST tank system located at AA's property at 2400 Union Street Oakland, CA 94607 (see Tab 1 – General site and facility maps, Detail Figure for the project location). (AA is the property owner; Mueller Nicholl is the operating company at this address and the original removal permit and workplan was prepared using this name.)

Project Contacts

The following persons are involved in this project:

Name	Title	Project Roll	Phone(s)	Address
Steve Nicholls	Managing Partner	Responsible Party	510-444-5000	Acel Associates, LLC 2400 Union Street Oakland, CA 94607 snicholls@MNBuild.com
Todd Hurley	Project Manager	Project Manager, Contractor	Ph: Office: (707) 795-9770 Toll-free: (800) 400-8075 Fax: (707) 795-9771 Cell Phone# 925- 727-9413	Western Abatement, Inc. 530 Boulder CT Suite 106 Pleasanton CA 94566 hurley43@gmail.com
Tony McElligott, P.E.	Consulting Engineer	O2 monitoring during tank inerting and Cleanup. Tank Closure Certifier.	510-207-4626	McElligott Consulting 41547 Chadbourne Drive, Fremont, CA 94539 tonymce@aol.com
Joe Berkshire	Waste Disposal Management	Waste Disposal	650-642-5714 P - 650-642-6583 F - 650-622-9881	Catalyst Environmental, Inc. 735 Industrial Road, Suite #201 San Carlos, CA 94070 joeb@catenv.com

2.0 PURPOSE

The purpose of this UST system closure is to remove the unused heating oil/fuel oil tank in a manner that will comply with the requirements of Title 23, Div. 3; Ch. 16 CCR; Ch. 6.7 HSC; the California Fire Code; and City of Oakland UST closure .

3.0 GENERAL DESCRIPTION OF CLOSURE ACTIVITIES

The following subsections provide the general description of the tank, excavation, and closure activities. General site and facility maps, Detail Figure, and site Photographs are provided in Tab 1.

3.1 Tank

The date of installation of this UST is not known. It consists of a single tank that was believed to be 500 gallon capacity formerly containing heating oil/fuel oil. After removal, the tank was measured to be approximately 560 gallon capacity, single wall steel, with signs of mild surface corrosion and multiple small holes evident. Please see Tab 1 for photographs of the tank.

Although the integrity of the tank had clearly failed at some point in the past, the lack of visual indications of a release, lack of odor, and low TPH concentrations provide evidence that the tank was likely drained prior to the holes developing. Therefore, we propose that no unauthorized Leak/Contamination Report form is needed.

Please see Site Plan Detail and Pictures in the attachments.

3.2 Excavation

The tank was removed from an excavation 9.75 ft long (parallel and adjacent to the building), and 6.33 ft wide (about 2/3 of the sidewalk width). The top of the tank was located 3 ft below the top of sidewalk, and the total final depth of the excavation was approximately 10 feet.

A log of the stratigraphic units encountered within the excavation is provided in Tab 2. No root holes or other potential pathways were observed in the excavation.

No groundwater was encountered in the excavation. There is a thin layer of apparently rust-stained soil

No odor-bearing soil or free product or sheen was observed.

The removal of the tank exposed the grade beam of the wall of the adjacent building. The engineer was concerned that the wall could be damaged if the excavation was not backfilled quickly and compacted properly. We elected to use a one sack cement and pea gravel self-compacting engineered fill.

3.3 Sampling Methods

The excavation was not shored prior to backfilling so all samples were collected from the backhoe bucket. For each sample location (north, mid, and south in the bottom of the excavation along the tank centerline) the backhoe brought up a bucket of material from native material.

Specifically, samples were collect from the lower portion of the brown sandy clay, within two feet of the bottom of the tank, and above the blue gray clay layer. A fresh face on the bucket was struck to expose soil not previously exposed, and four small wide mouth glass sample jars were filled and sealed. All sampling was performed under the direct observation of the Oakland Fire Department Hazardous Materials Inspector.

3.4 Wastewater

The tank was rinsed out with surfactant and water. Ten 55-gallon drums of wastewater generated during decontamination operations was shipped offsite for disposal as presumptive non-RCRA hazardous waste liquid.

3.5 Soil and Debris

A total of 18 loose cubic yards of excavated soil was disposed of as non-hazardous soil. The broken concrete side walk debris was placed in the bottom of the excavation prior to backfilling.

3.6 Remedial Measures

No remedial measures were required nor conducted after the removal of the tank.

4.0 RESULTS OF SAMPLING

The results of the sampling demonstrate that all tanks and piping meet the closure requirements. The laboratory reports are provided in Tab 3. The following sections provide additional details on the results.

4.1 Discussion of Results

The results of the TPH analyses are summarized in the table below:

Sample ID	TPH-Diesel (C10-C23) (mg/kg)	TPH-MO (C18-C36) (mg/kg)	TPH-Fuel Oil (C10-C36) (mg/kg)	TPH-Heating Oil (C9-C18) (mg/kg)
1 (North)	64	41	96	74
2 (Middle)	43	25	63	44
3 (South)	95	16	110	100

The results support the assumption that the abandoned tank had been used to store Heating Oil, or possibly Fuel Oil. These materials are classified in the RWQCB Soil Screening Levels Tables as TPH-diesel.

The representative TPH - middle distillates concentration is the 95% Student's-t UCL of 91.9 mg/kg. The ProUCL output is provided in Tab 4.

For comparison purposes, the Environmental Screening Level (ESL) for TPH-d in shallow soil in commercial/industrial land use settings where groundwater is a potential drinking water resource is 110 mg/kg (note: the corresponding ESL for residential land uses is 100 mg/kg). The ESL for TPH-d is based on the Ceiling Value, which is intended to be “protective against odor and other nuisance and aesthetic concerns, as well as restrict the presence of potentially mobile, free product and limit the overall degradation of soil quality.” In the case of TPH in soil, the ceiling value is based on the odor threshold (ESL User Guide December 2013). The residual contaminants at this location are below a concrete sidewalk and 9 feet of engineered cement-gravel fill, and underlain by an intact stiff clay layer. A more detailed risk assessment would show a much higher allowable concentration because the conditions at this site are much less conducive to contaminant movement than the default values used in the ESL. For groundwater protection the Soil Screening Level Table G value is 570 mg/kg; for protection of human health (Table K-2) is 1,100 mg/kg.

The ESL workbook pages for this analysis are provided in Tab 4.

4.2 Conclusions

Based on the results discussed above, I, Anthony S. McElligott, P.E., draw the following conclusions:

The underground storage tank removed from the sidewalk area adjacent to the building located at 2400 Union Street in Oakland, California is complete. The tank, tank rinse water, and excavated soil have been removed and disposed of properly. Residual contamination levels are below the ESL and no further action is required for this UST Closure.

5.0 DOCUMENTATION OF DISPOSITION

Tank cleaning water and piping flush out water was disposed of as hazardous waste or as presumptive hazardous waste.

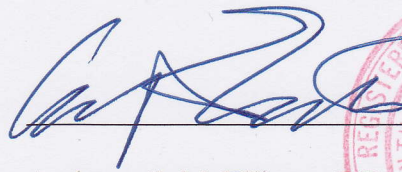
Copies of all manifests, bills-of-lading, receipts, bin logs, and/or other disposal documentation are provided at Tab 5.

6.0 STATEMENTS, CERTIFICATIONS, AND RESPONSIBLE PROFESSIONAL

Based on the results of the sampling and analysis conducted for the areas involved in this facility closure, I conclude that the areas pose no significant risk to persons using the areas for commercial or industrial uses and are suitable for re-use without condition regarding residual contamination, or disposition as non-hazardous scrap metal. In addition, I certify that this closure terminates the handling of hazardous materials and hazardous waste by HGST at for the specified units and associated piping at this facility in a manner that:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

This Closure Report was prepared by:



Anthony S. McElligott, P.E.
Principal
McElligott Consulting

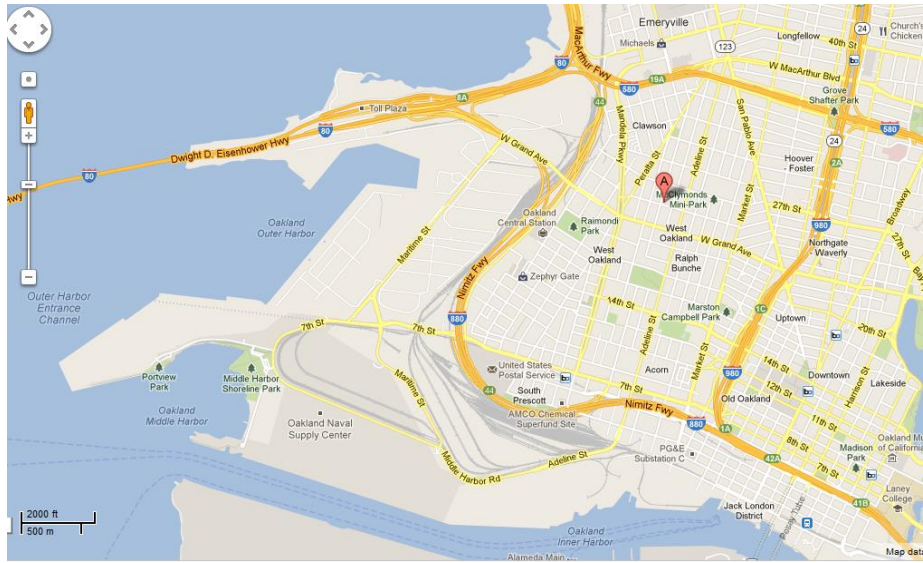


December 14, 2015

Tab 1

General site and facility maps, Photographs





Site Location

2400 Union Street
Oakland, CA 94607



MUELLER NICHOLLS

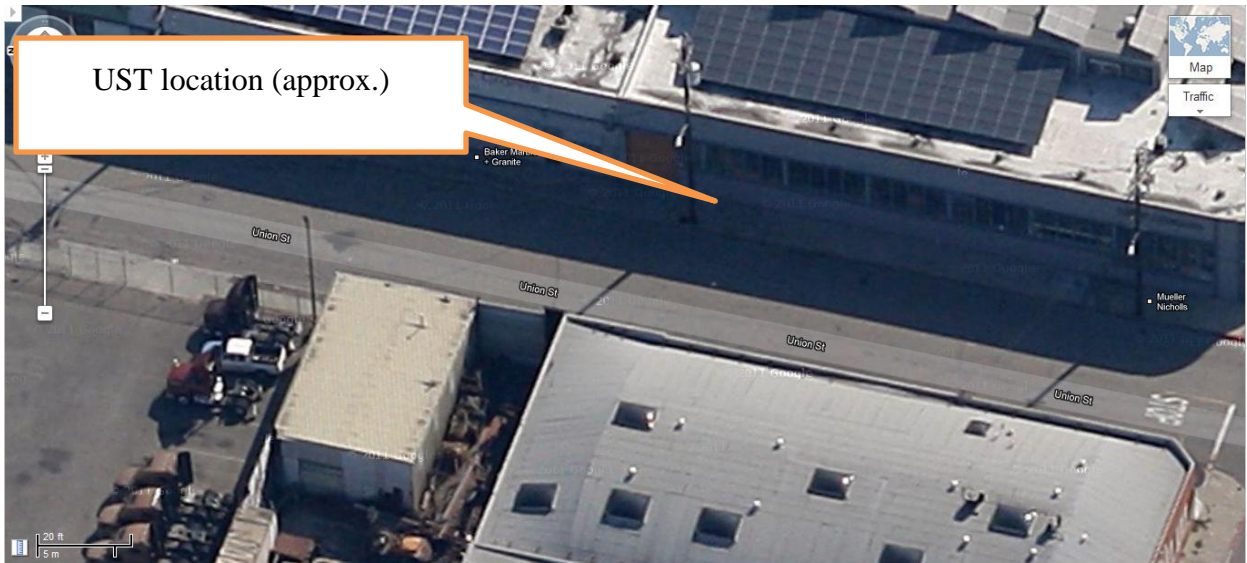
2400 Union Street
Oakland, CA 94607

UST location (approx.)



Tank Location

2400 Union Street
Oakland, CA 94607



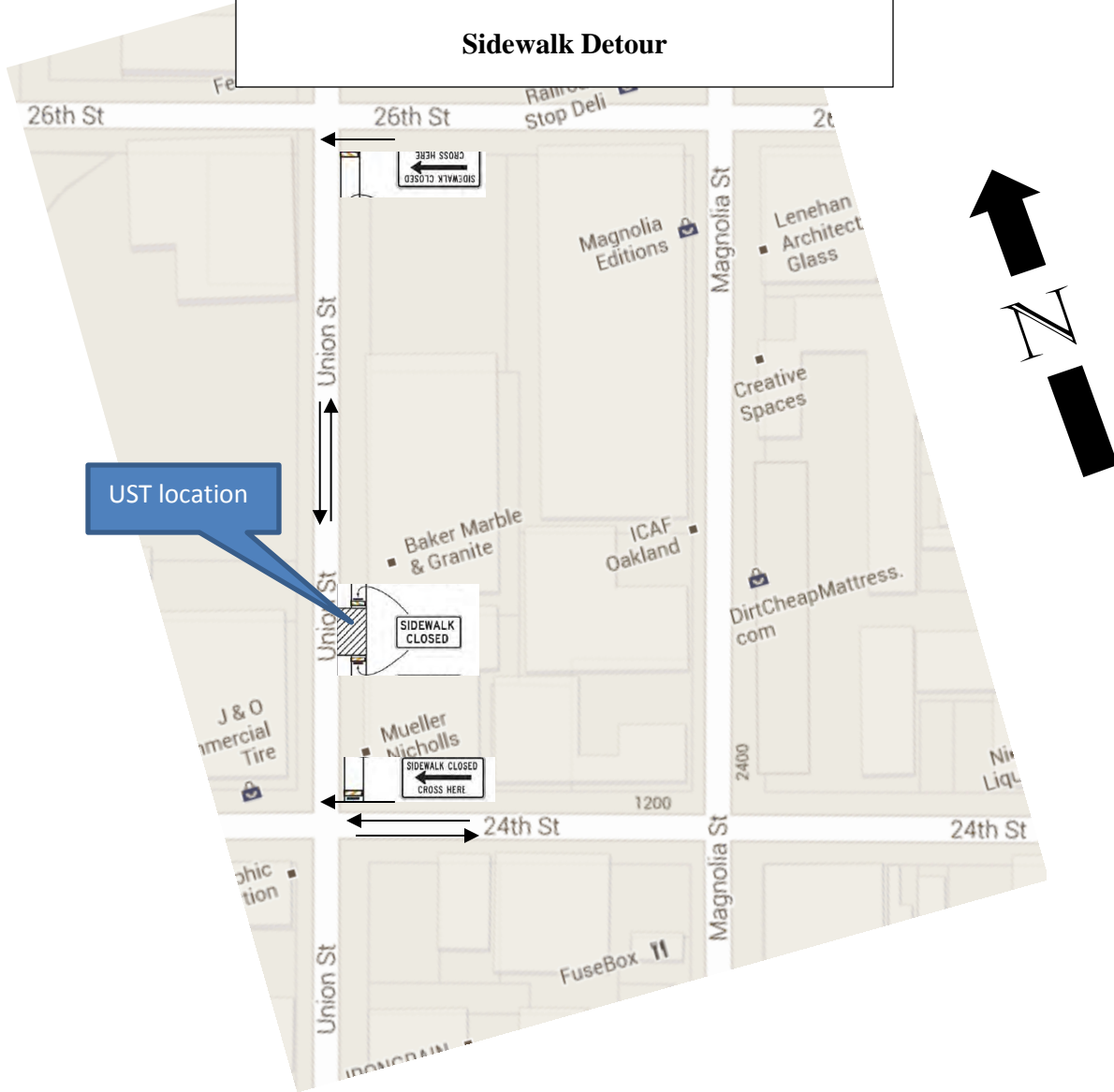
Union Street aerial side view



Union Street side view

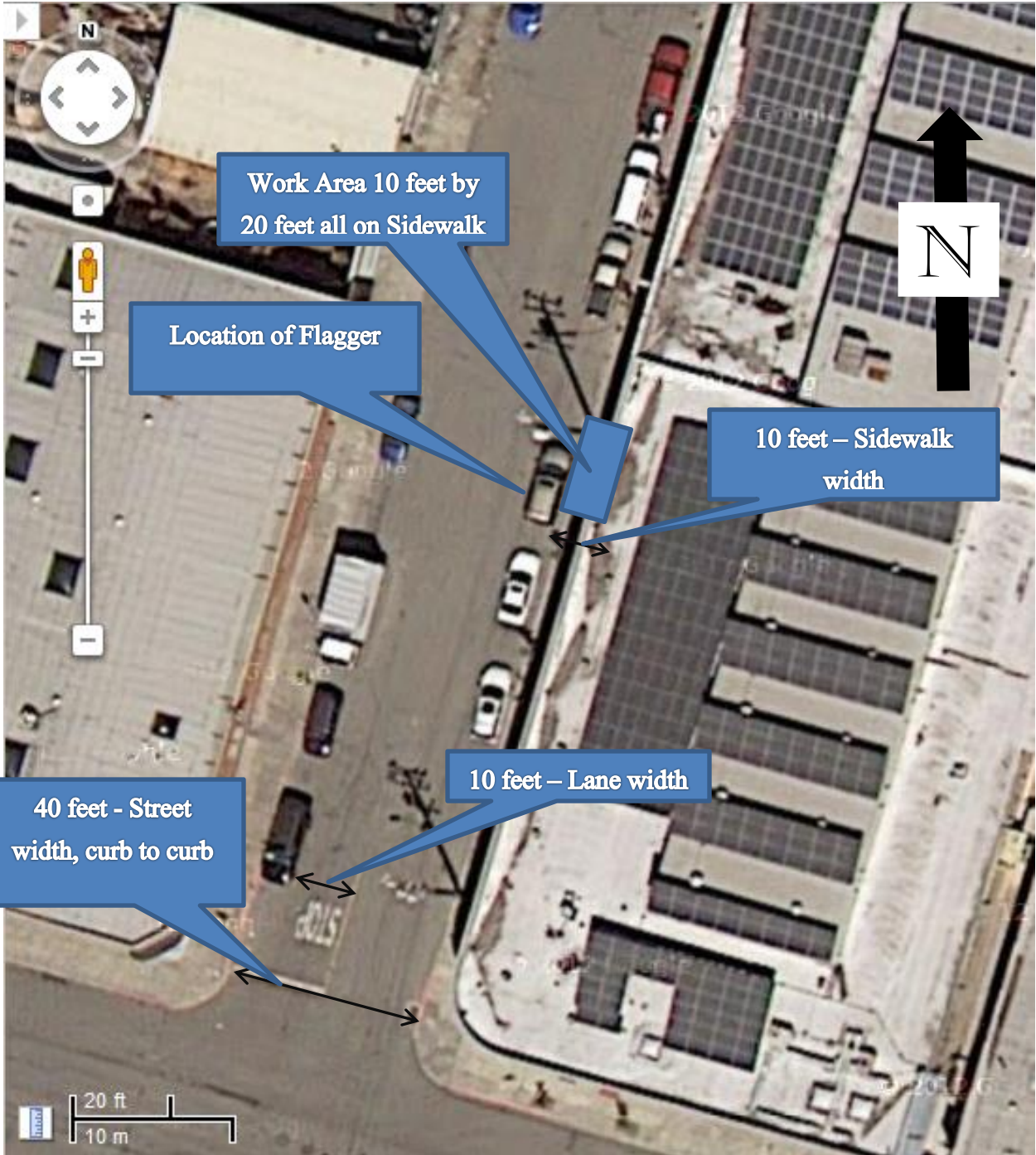
Traffic Control Plan
for
UST removal under sidewalk at 2400 Union Street,
Oakland, CA

Sidewalk Detour



The street widths are 40 feet curb to curb, lane widths are 10 feet, sidewalks are 10 ft, traffic is two way in one lane each way on both Union Street and 24th Street. Work area is 20 ft along sidewalk and full width of sidewalk. Flagger will be present when positioning backhoe and removing tank to truck. Excavation will be covered with steel trench plate until sidewalk is repaired.

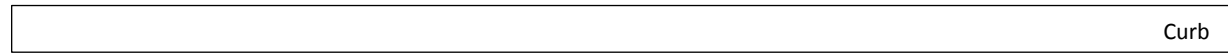
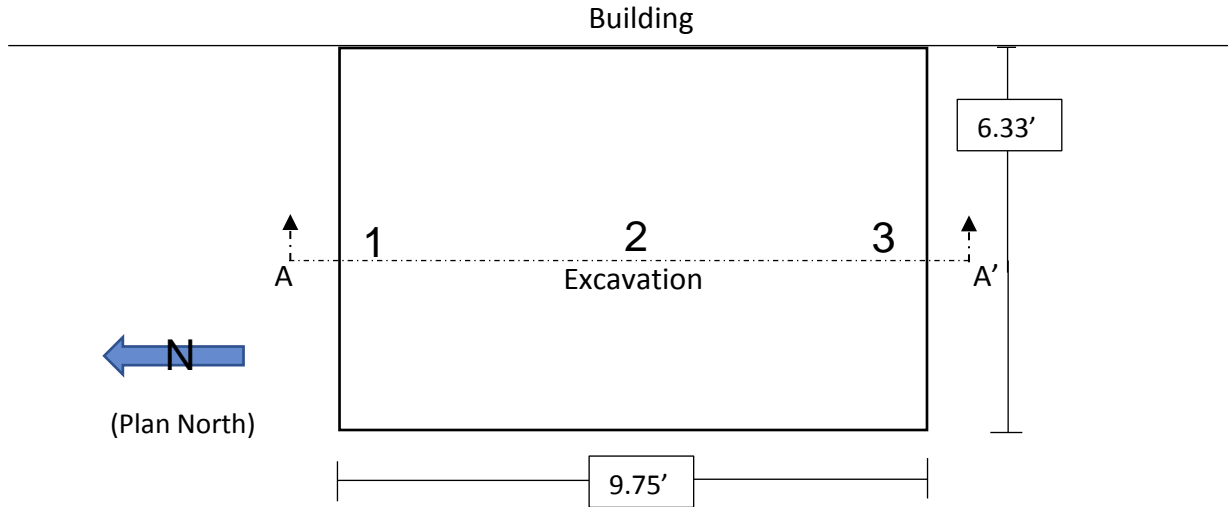
2400 Union Street – Street Detail



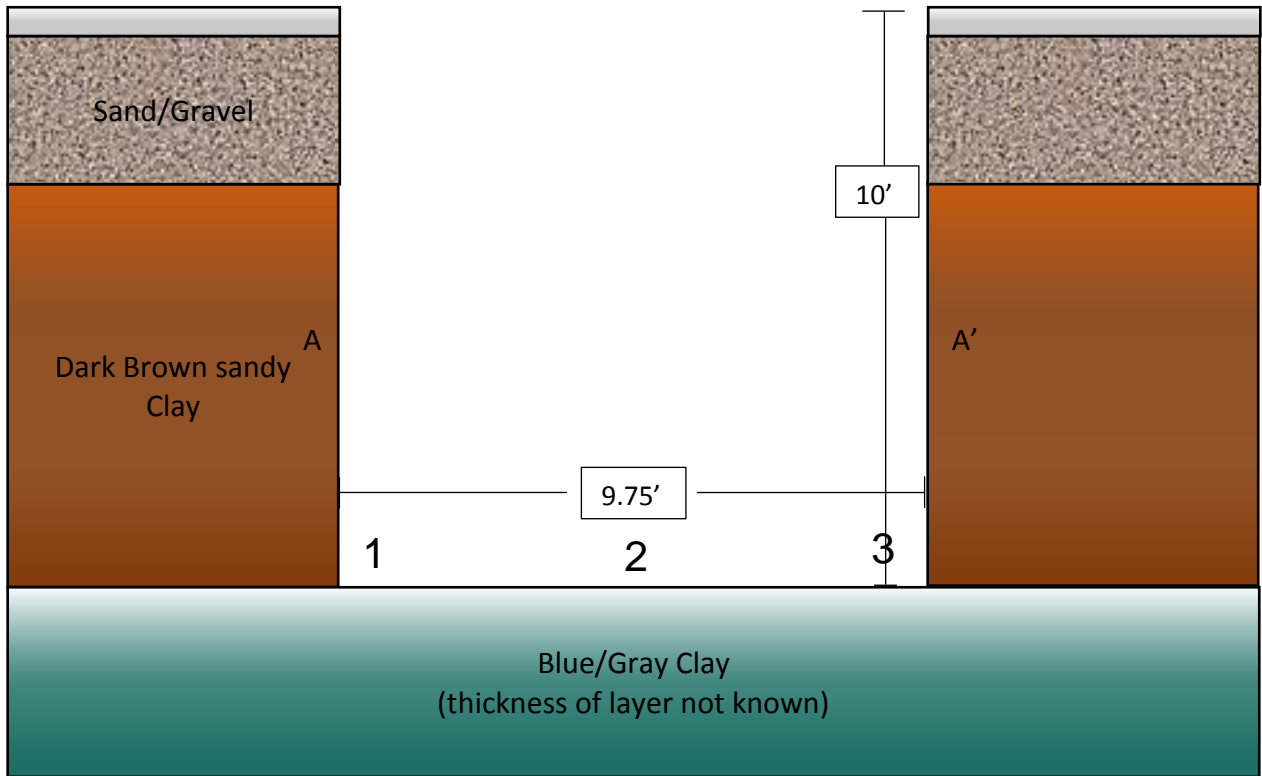
Tab 2

Excavation Detail with Stratigraphic and Sample Collection Pinpoint Diagram





Excavation Plan View
2400 Union Street, Oakland, CA



Excavation Elevation View
2400 Union Street, Oakland, CA





Photo 1: Removal of tank





Photo 2: Tank removed. Fill pipe visible on left



Photo 3: Holes in tank. The large hole was made prior to the inerting/rinsing process.





Photo 4: Detail of sidewalk, sand, soil, and dark brown clay.







Photo 6: Filling excavation with concrete sidewalk pieces





Photo 7: Excavation being backfilled with self-compacting fill.





Photo 8: Excavation backfilled with self-compacting fill.



Tab 3

Laboratory Reports





Analytical Report

McElligott Consulting 41547 Chadbourne Drive Fremont, CA 94539	Client Project ID: UST Removal at Mueller Nichols	Date Sampled: 07/11/13
		Date Received: 07/15/13
	Client Contact: Tony McElligott	Date Reported: 07/22/13
	Client P.O.:	Date Completed: 07/22/13

WorkOrder: 1307477

July 22, 2013

Dear Tony:

Enclosed within are:

- 1) The results of the **3** analyzed samples from your project: **UST Removal at Mueller Nichols**,
- 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.



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

1307477

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: Tony McElligott Bill To: *Same*

Company: McElligott Consulting
41547 Chadbourne Drive
Fremont, CA 94539 E-Mail: tonymce@aol.com

Tele: (510) 207-4626 Fax: ()

Project #: Project Name: UST Removal at Mueller Nichols

Project Location: 2400 Union St, Oakland, CA 94607

Sampler Signature: *[Signature]*

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other			
1 (North)	N. Excav	7/11/13	11:45	4	G	X					X						**Indicate here if these samples are potentially dangerous to handle: Analysis is for <i>kwac3</i> fuel/heating oil.
2 (Mid)	Mid excav	"	11:48	4	G	X					X						
3 (South)	S. Excav	"	11:50	4	G	X					X						

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By: <i>[Signature]</i>	Date: 7/15/13	Time: 2:00	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i>	Date: 7/15	Time: 1530	Received By: <i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:

ICE/# *3,6*

GOOD CONDITION _____

HEAD SPACE ABSENT _____

DECHLORINATED IN LAB _____

APPROPRIATE CONTAINERS _____

PRESERVED IN LAB _____

COMMENTS: ** Please homogenized jars for each sample (4 jars per jar for 1, etc). 8260 for EDB, EDC.*

VOAS O&G METALS OTHER
PRESERVATION pH<2

MTBE, TAME, ETBE, PINE and TRA



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1307477

ClientCode: MECF

WaterTrax
 WriteOn
 EDF
 Excel
 EQuIS
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Tony McElligott
 McElligott Consulting
 41547 Chadbourne Drive
 Fremont, CA 94539
 (510) 207-4626 FAX:

Email: tonymce@aol.com
 cc:
 PO:
 ProjectNo: UST Removal at Mueller Nichols

Bill to:

Tony McElligott
 McElligott Consulting
 41547 Chadbourne Drive
 Fremont, CA 94539

Requested TAT:

5 days

Date Received: **07/15/2013**

Date Printed: **07/15/2013**

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	
1307477-001	1 (North)	Soil	7/11/2013 11:45	<input type="checkbox"/>	A	A											
1307477-002	2 (Mid)	Soil	7/11/2013 11:48	<input type="checkbox"/>	A	A											
1307477-003	3 (South)	Soil	7/11/2013 11:50	<input type="checkbox"/>	A	A											

Test Legend:

1	5-OXYS+PBSCV_S	2	TPH(DMO)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

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: **McElligott Consulting** Date and Time Received: **7/15/2013 7:47:53 PM**
 Project Name: **UST Removal at Mueller Nichols** LogIn Reviewed by: **Zoraida Cortez**
 WorkOrder N°: **1307477** Matrix: Soil Carrier: Benjamin Yslas (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: 3.6°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:



McElligott Consulting 41547 Chadbourne Drive Fremont, CA 94539	Client Project ID: UST Removal at Mueller Nichols	Date Sampled: 07/11/13
	Client Contact: Tony McElligott	Date Received: 07/15/13
	Client P.O.:	Date Extracted: 07/15/13
		Date Analyzed: 07/20/13

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1307477

Lab ID	1307477-001A	1307477-002A	1307477-003A	Reporting Limit for DF =1	
Client ID	1 (North)	2 (Mid)	3 (South)		
Matrix	S	S	S		
DF	10	1	20	S	W
Compound	Concentration			mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND<0.050	ND	ND<0.10	0.005	NA
t-Butyl alcohol (TBA)	ND<0.50	ND	ND<1.0	0.05	NA
1,2-Dibromoethane (EDB)	ND<0.040	ND	ND<0.080	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND<0.040	ND	ND<0.080	0.004	NA
Diisopropyl ether (DIPE)	ND<0.050	ND	ND<0.10	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND<0.050	ND	ND<0.10	0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.050	ND	ND<0.10	0.005	NA
Surrogate Recoveries (%)					
%SS1:	107	120	111		
Comments	a3		a3		

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

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 coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.



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

McElligott Consulting 41547 Chadbourne Drive Fremont, CA 94539	Client Project ID: UST Removal at Mueller Nichols	Date Sampled: 07/11/13
	Client Contact: Tony McElligott	Date Received: 07/15/13
	Client P.O.:	Date Analyzed: 07/16/13-07/17/13
		Date Extracted: 07/15/13

Total Extractable Petroleum Hydrocarbons*

Extraction Method: SW3550B

Analytical Method: SW8015B

Work Order: 1307477

Lab ID	1307477-001A	1307477-002A	1307477-003A	Reporting Limit for DF =1		
Client ID	1 (North)	2 (Mid)	3 (South)			
Matrix	S	S	S			
DF	1	1	1		S	W

Compound	Concentration			mg/Kg	ug/L
TPH-Diesel (C10-C23)	64	43	95	1.0	NA
TPH-Motor Oil (C18-C36)	41	25	16	5.0	NA
TPH-Fuel Oil (C10-C36)	96	63	110	2.0	NA
TPH-Heating Oil (C9-C18)	74	44	100	1.0	NA

Surrogate Recoveries (%)

%SS:	97	98	97		
------	----	----	----	--	--

Comments	e4,e7,e2	e4,e7,e2	e4,e7,e2		
----------	----------	----------	----------	--	--

* 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:

e2) diesel range compounds are significant; no recognizable pattern

e4) gasoline range compounds are significant.

e7) oil range compounds are significant



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 79384

WorkOrder: 1307477

EPA Method: SW8260B		Extraction: SW5030B				Spiked Sample ID: 1307434-001A			
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<0.010	0.050	NR	NR	NR	103	N/A	N/A	70 - 130
t-Butyl alcohol (TBA)	ND<0.10	0.20	NR	NR	NR	134, F2	N/A	N/A	70 - 130
1,2-Dibromoethane (EDB)	ND<0.008	0.050	NR	NR	NR	98.8	N/A	N/A	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND<0.008	0.050	NR	NR	NR	102	N/A	N/A	70 - 130
Diisopropyl ether (DIPE)	ND<0.010	0.050	NR	NR	NR	106	N/A	N/A	70 - 130
Ethyl tert-butyl ether (ETBE)	ND<0.010	0.050	NR	NR	NR	107	N/A	N/A	70 - 130
Methyl-t-butyl ether (MTBE)	ND<0.010	0.050	NR	NR	NR	104	N/A	N/A	70 - 130
%SS1:	104	0.12	NR	NR	NR	100	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									
F2 = LCS recovery for this compound is outside of acceptance limits.									

BATCH 79384 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1307477-001A	07/11/13 11:45 AM	07/15/13	07/20/13 11:47 AM	1307477-002A	07/11/13 11:48 AM	07/15/13	07/20/13 10:23 AM
1307477-003A	07/11/13 11:50 AM	07/15/13	07/20/13 11:05 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 $\% \text{ Recovery} = 100 * (\text{MS} - \text{Sample}) / (\text{Amount Spiked})$; $\text{RPD} = 100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2)$.
 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.
 Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 79425

WorkOrder: 1307477

EPA Method: SW8015B		Extraction: SW3550B					Spiked Sample ID: 1307459-001A			
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)	2.6	40	103	105	1.11	110	70 - 130	30	70 - 130	
%SS:	112	25	89	90	1.33	99	70 - 130	30	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 79425 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1307477-001A	07/11/13 11:45 AM	07/15/13	07/17/13 2:26 PM	1307477-002A	07/11/13 11:48 AM	07/15/13	07/16/13 10:18 PM
1307477-003A	07/11/13 11:50 AM	07/15/13	07/16/13 9:09 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.

Tab 4

Calculations and ESL Workbook

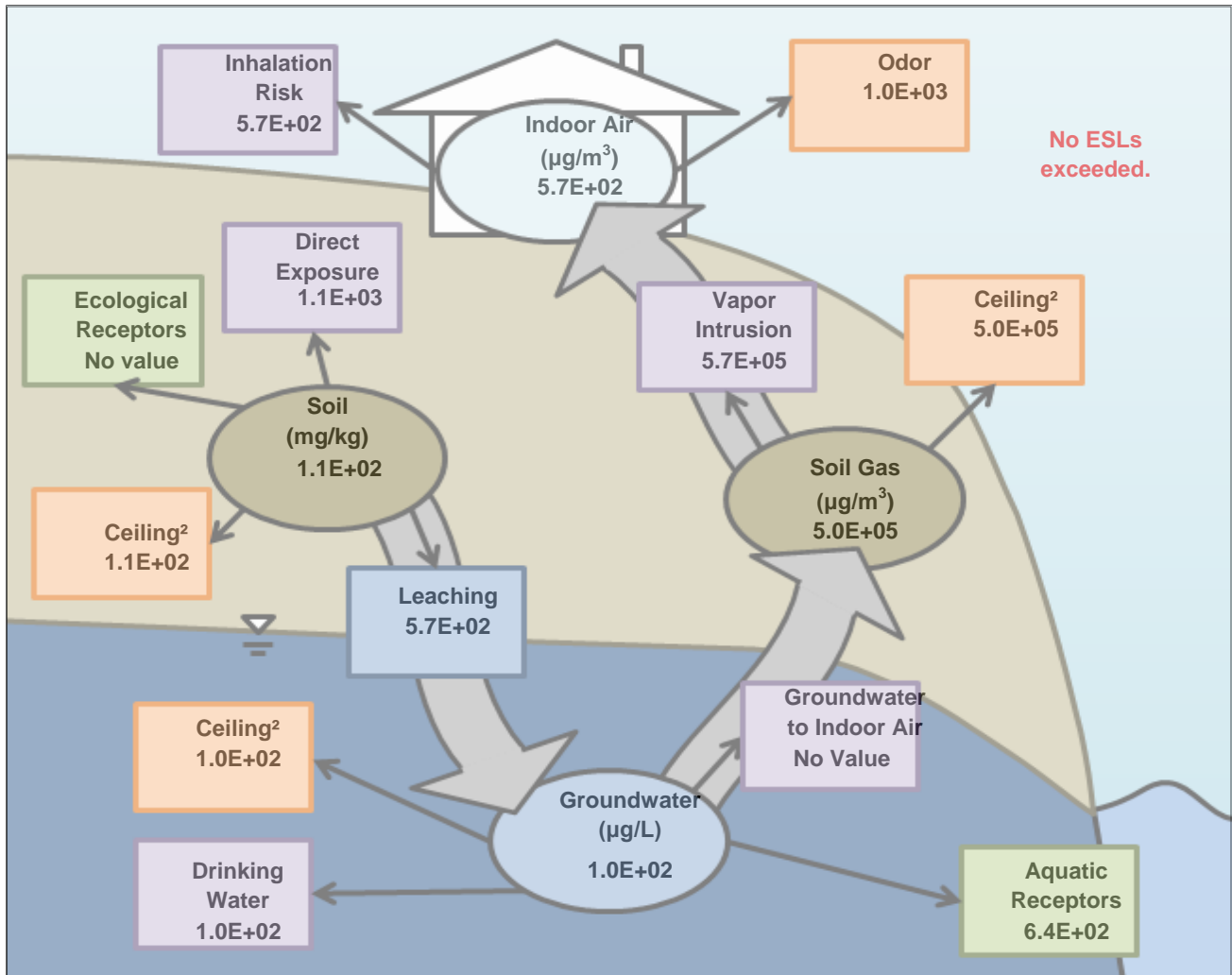


	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation		12/2/2015 12:38:08 PM									
5	From File		WorkSheet.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	Middle Distilates											
12												
13	General Statistics											
14	Total Number of Observations			9			Number of Distinct Observations			9		
15							Number of Missing Observations			0		
16	Minimum			43			Mean			76.56		
17	Maximum			110			Median			74		
18	SD			24.8			Std. Error of Mean			8.267		
19	Coefficient of Variation			0.324			Skewness			-0.135		
20												
21	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
22	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
23	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
24	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0											
25												
26	Normal GOF Test											
27	Shapiro Wilk Test Statistic			0.914			Shapiro Wilk GOF Test					
28	5% Shapiro Wilk Critical Value			0.829			Data appear Normal at 5% Significance Level					
29	Lilliefors Test Statistic			0.216			Lilliefors GOF Test					
30	5% Lilliefors Critical Value			0.295			Data appear Normal at 5% Significance Level					
31	Data appear Normal at 5% Significance Level											
32												
33	Assuming Normal Distribution											
34	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
35	95% Student's-t UCL			91.93			95% Adjusted-CLT UCL (Chen-1995)			89.75		
36							95% Modified-t UCL (Johnson-1978)			91.87		
37												
38	Gamma GOF Test											
39	A-D Test Statistic			0.432			Anderson-Darling Gamma GOF Test					
40	5% A-D Critical Value			0.722			Detected data appear Gamma Distributed at 5% Significance Level					
41	K-S Test Statistic			0.234			Kolmogrov-Smirnoff Gamma GOF Test					
42	5% K-S Critical Value			0.279			Detected data appear Gamma Distributed at 5% Significance Level					
43	Detected data appear Gamma Distributed at 5% Significance Level											
44												
45	Gamma Statistics											
46	k hat (MLE)			9.804			k star (bias corrected MLE)			6.61		
47	Theta hat (MLE)			7.809			Theta star (bias corrected MLE)			11.58		
48	nu hat (MLE)			176.5			nu star (bias corrected)			119		
49	MLE Mean (bias corrected)			76.56			MLE Sd (bias corrected)			29.78		
50							Approximate Chi Square Value (0.05)			94.79		
51	Adjusted Level of Significance			0.0231			Adjusted Chi Square Value			90.25		
52												
53	Assuming Gamma Distribution											

	A	B	C	D	E	F	G	H	I	J	K	L
54	95% Approximate Gamma UCL (use when n>=50))					96.09	95% Adjusted Gamma UCL (use when n<50)					100.9
55												
56	Lognormal GOF Test											
57	Shapiro Wilk Test Statistic					0.895	Shapiro Wilk Lognormal GOF Test					
58	5% Shapiro Wilk Critical Value					0.829	Data appear Lognormal at 5% Significance Level					
59	Lilliefors Test Statistic					0.221	Lilliefors Lognormal GOF Test					
60	5% Lilliefors Critical Value					0.295	Data appear Lognormal at 5% Significance Level					
61	Data appear Lognormal at 5% Significance Level											
62												
63	Lognormal Statistics											
64	Minimum of Logged Data					3.761	Mean of logged Data					4.286
65	Maximum of Logged Data					4.7	SD of logged Data					0.351
66												
67	Assuming Lognormal Distribution											
68	95% H-UCL					99.99	90% Chebyshev (MVUE) UCL					103.9
69	95% Chebyshev (MVUE) UCL					116.2	97.5% Chebyshev (MVUE) UCL					133.3
70	99% Chebyshev (MVUE) UCL					166.9						
71												
72	Nonparametric Distribution Free UCL Statistics											
73	Data appear to follow a Discernible Distribution at 5% Significance Level											
74												
75	Nonparametric Distribution Free UCLs											
76	95% CLT UCL					90.15	95% Jackknife UCL					91.93
77	95% Standard Bootstrap UCL					89.48	95% Bootstrap-t UCL					91.17
78	95% Hall's Bootstrap UCL					88.97	95% Percentile Bootstrap UCL					89.44
79	95% BCA Bootstrap UCL					88.89						
80	90% Chebyshev(Mean, Sd) UCL					101.4	95% Chebyshev(Mean, Sd) UCL					112.6
81	97.5% Chebyshev(Mean, Sd) UCL					128.2	99% Chebyshev(Mean, Sd) UCL					158.8
82												
83	Suggested UCL to Use											
84	95% Student's-t UCL					91.93						
85												
86	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
87	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
88	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											
89	For additional insight the user may want to consult a statistician.											
90												
91	Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be											
92	reliable. Chen's and Johnson's methods provide adjustments for positively skewed data sets.											
93												

Environmental Screening Levels for Specific Concerns

TPH diesel



Scenario Assumptions:	Entered Site Concentrations:
Commercial or Industrial	
Shallow Soil (default)	
Drinking Water Resource (default)	Soil (mg/kg): 100
Fine-Coarse Mix (default)	

Legend:

Purple - Human Health Risk

Green - Ecological Risk

Orange - Odor/Nuisance

¹ Direct exposure includes dermal contact, inhalation, and ingestion

² Ceiling Level is the lowest of the Nuisance Odor/Taste threshold (with an attenuation factor for soil gas), the soil saturation limit, 1/2 of the solubility, or 50,000 µg/L for groundwater.



ESLs Detailed Report

Selected Chemical: TPH diesel

Selected Site Scenario	
Land Use:	Commercial or Industrial
Depth to Impacted Soil:	Shallow Soil (default)
Groundwater Use:	Drinking Water Resource (default)
Drinking Water:	MCL-Priority (default)
Soil Type:	Fine-Coarse Mix (default)
Site Soil Concentration (mg/kg):	100.00
Site Soil Gas Concentration ($\mu\text{g}/\text{m}^3$):	No Value Entered
Site Groundwater Concentration ($\mu\text{g}/\text{L}$):	No Value Entered
Site Indoor Air concentration ($\mu\text{g}/\text{m}^3$):	No Value Entered

Soil ESL Tables	Land Use	Depth to Impacted Soil	Selected?
Table A-1	Residential (default)	Shallow Soil (default)	NO
Table A-2	Commercial or Industrial	Shallow Soil (default)	YES
Table B-1	Residential (default)	Shallow Soil (default)	NO
Table B-2	Commercial or Industrial	Shallow Soil (default)	NO
Table C-1	Residential (default)	Deep Soil	NO
Table C-2	Commercial or Industrial	Deep Soil	NO
Table D-1	Residential (default)	Deep Soil	NO
Table D-2	Commercial or Industrial	Deep Soil	NO

*Default Shallow Soil $\leq 3\text{m}$ bgs, Deep Soil $>3\text{m}$ bgs

Soil Screening Levels (mg/kg)	
Table Referenced:	Table A-2
Residential:	2.4E+02
Commercial or Industrial:	1.1E+03
Construction/Trench Worker	9.0E+02
Direct Exposure:	1.1E+03
Drinking Water Resource:	5.7E+02
Nondrinking Water Resource:	3.6E+03
Leaching:	5.7E+02
Residential:	No Value
Commercial or Industrial:	No value
Terrestrial Ecotoxicity:	No value
Residential Shallow Soil:	1.0E+02
Residential Deep Soil:	1.1E+02
Residential Action Level:	1.0E+02
Commercial/Industrial Shallow Soil:	1.1E+02
Commercial/Industrial Deep Soil:	1.1E+02
Commercial/Industrial Action Level:	1.1E+02
Ceiling Level:	1.1E+02
Final Soil ESL	1.1E+02

Indoor Air and Soil Gas Screening Levels ($\mu\text{g}/\text{m}^3$)	
Indoor Air Table Referenced:	Table E-3
Residential:	1.4E+02
Commercial or Industrial:	5.7E+02
Odor Threshold:	1.0E+03
Final Indoor Air:	5.7E+02
Soil Gas Table Referenced:	Table E-2
Residential:	6.8E+04
Commercial or Industrial:	5.7E+05
Odor Threshold:	5.0E+05
Final Soil Gas:	5.0E+05
Soil to Indoor Air:	
Residential/ Commercial/ Industrial (mg/kg):	Sample soil gas

Drinking Water Screening Levels ($\mu\text{g}/\text{L}$)	
Table Referenced:	Table F-3
Drinking water (MCL-priority)	1.0E+02
Drinking water (risk-based)	1.0E+02
Drinking Water ESL:	1.0E+02
Estuary Aquatic Ecotoxicity ESL:	6.4E+02
Groundwater to Indoor Air Screening Levels	
Table Referenced:	Table E-1
Residential (fine - coarse):	No Value
Residential (all sand):	No Value
Commercial or Industrial (fine - coarse):	No Value
Commercial or Industrial (all sand):	No Value
Groundwater to Indoor Air ESL:	No Value
Groundwater Ceiling Value Screening Levels	
Tables Referenced:	Table F-1a and Table F-1b
Drinking Water Ceiling Value:	1.0E+02
Nondrinking Water Ceiling Value:	2.5E+03
Ceiling Value:	1.0E+02
Final Groundwater ESL:	1.0E+02



Environmental Screening Levels
 San Francisco Bay Regional Water Quality Control Board



Summary of Environmental Screening Levels

Site Name:
Site Address:
Site ID Number:
Date: 12/2/2015

Selected Site Scenario	
Land Use:	Commercial or Industrial
Depth to Impacted Soil:	Shallow Soil (default)
Groundwater Use:	Drinking Water Resource (default)
Drinking Water:	MCL-Priority (default)
Soil Type:	Fine-Coarse Mix (default)

Selected Chemical: TPH diesel

Site Concentrations:
Soil (mg/kg): 100.00
Soil Gas (µg/m ³): No Value Entered
Groundwater (µg/L): No Value Entered
Indoor Air Concentration (µg/m ³): No Value Entered

Soil ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Direct Exposure:	mg/kg	1.1E+03	No	Table A-2
Terrestrial Ecological:	mg/kg	No value	No	
Ceiling Value:	mg/kg	1.1E+02	No	
Leaching:	mg/kg	5.7E+02	No	
Final Soil ESL:	mg/kg	1.1E+02		

Groundwater ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Drinking Water:	µg/L	1.0E+02	No Data Entered	Table F-3
Protection of Aquatic Habitats:	µg/L	6.4E+02	No Data Entered	Table F-1a
Groundwater to Indoor Air:	µg/L	No Value	No Data Entered	
Ceiling Value:	µg/L	1.0E+02	No Data Entered	
Final Groundwater ESL:	µg/L	1.0E+02		

Indoor Air ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Health Risk:	µg/m ³	5.7E+02	No Data Entered	Table E-3
Odor Threshold:	µg/m ³	1.0E+03	No Data Entered	
Final Indoor Air ESL:	µg/m³	5.7E+02		

Soil Gas ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Health Risk:	µg/m ³	5.7E+05	No Data Entered	Table E-2
Odor Threshold:	µg/m ³	5.0E+05	No Data Entered	
Final Soil Gas ESL:	µg/m³	5.0E+05		

Tab 5

Documentation of Disposition



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC002736305	2. Page 1 of 1	3. Emergency Response Phone 1-800-785-7225	4. Manifest Tracking Number 006858492 FLE		
5. Generator's Name and Mailing Address Muller Nichols, Inc. 2400 Union Street Oakland, CA 94607 Generator's Phone: 510 444 5000					Generator's Site Address (if different than mailing address)		
6. Transporter 1 Company Name Advanced Chemical Transport Inc. (SV)				U.S. EPA ID Number CAF000070540			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address US Ecology Nevada, Inc. PO Box 578, Hwy 95, 11 Miles S Beatty Beatty, NV 89003 Facility's Phone: 775-563-2203					U.S. EPA ID Number NVT330010000		
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
	1. Non-Hazardous Waste Liquid (HEATING OIL RINSE)	10	DM	550	G	331	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Project Number 32835 Document #: D37302 1) ER38: 0701315-7924 MUL 301-310 (10X53 DM)							
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/Offeror's Printed/Typed Name JOHN TODD				Signature <i>[Signature]</i>		Month Day Year 7 18 13	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name JOS E ORLANDO				Signature <i>[Signature]</i>		Month Day Year 7 18 13	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)				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. H029		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 The Gates				Signature <i>[Signature]</i>		Month Day Year 7 30 13	

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY

CERTIFICATE OF DISPOSAL

August 07,2013

MUELLER NICHOLS INC
2400 UNION ST
OAKLAND, CA 94607

This is to certify that waste as defined on Waste Manifest number 006858492FLE/006858492FLI was received by U.S. Ecology, Inc., on 07/30/2013. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 08/05/2013 in accordance with permits and laws regulating this facility.

Reference Number: 13073006114-006858492FLE-1-1

Material: 10 55 GALLON DRUM (BATCH WASTE)

Process: Solidification

Facility: U.S. ECOLOGY NEVADA, INC.
HWY 95 11 MILES S. OF BEATTY
BEATTY, NV 89003
EPA ID: NVT330010000

Waste Type: STATE REGULATED WASTE

Customer: CATALYST ENVIRONMENTAL, INC.

Printed Name: REBECCA HOGABOAM

Signature: 

Title: COMPLIANCE COORDINATOR

9B99645 #99

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-321-1030	4. Waste Tracking Number PHUF13-258
5. Generator's Name and Mailing Address MUELLER NICHOLS BUILDERS 2400 UNION STREET OAKLAND, CA 94607 Generator's Phone: 510-444-8000			Generator's Site Address (if different than mailing address) SAME		
6. Transporter 1 Company Name A. J. TRUCKING			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address POTRERO HILLS LANDFILL 3675 POTRERO HILLS LANE SUNSHINE, CA 94588 Facility's Phone:			U.S. EPA ID Number		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. NON HAZARDOUS SOIL		1	DT	18	Y
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information PROFILE #: PHUF13-258 WEAR PROPER PPE WHEN HANDLING MATERIAL					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name MUELLER NICHOLS, INC.			Signature Stephen Lamolin. President		Month Day Year 8 14 13
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name AMAR - J. SINGH			Signature Amar Singh		Month Day Year 8 14 13
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)			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

2400 UNION ST
OAKLAND CA.

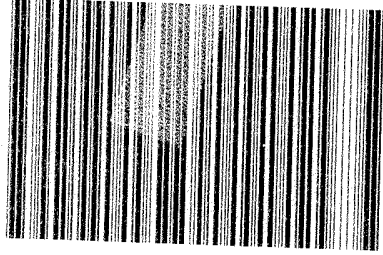
CASS, Inc.

PAYMENT STUB

BENJAMIN LAZARO
6730 MACARTHUR BLVD
OAKLAND, CA 94605

Ticket No. **678655**
Date: 7/11/13 2:06 pm

Item/Price	Gross	Tare	Net
STEEL-UNP	6,330.0	5,860.0	470.0
\$ 210.0000 Net			349.35
			\$49.35



CASS, Inc.
2730 Ferrelta Street
Oakland, CA 94607
510-893-6476

BENJAMIN LAZARO
6730 MACARTHUR BLVD
OAKLAND, CA 94605

Driver's Lic: 10925109
Vehicle Tag: 7064386

Ticket No. **678655**
Start Date: 7/11/13 02:06pm
Complete: 7/11/13 02:34pm

Item	Gross	Tare	Net
STEEL-UNP	6,330.0	5,860.0	470.0
210.00 Net			349.35
Total			\$49.35

Please Sign Here:
Por Favor Fírmelo Aquí:

[Signature]

By signing this receipt, I represent and certify, under penalty of perjury, that this material does not contain any hazardous substances as defined by federal or state law. Furthermore, I represent and certify I am the lawful owner of this material and can convey legal title of same to Purchaser/Payer. I agree to indemnify, defend and hold harmless Purchaser/Payer if these representations and certifications are untrue.

Except as otherwise allowed by law, payment may be picked up after 3 business days. Any payment not picked up after 30 days will be mailed to the above address.

2400 UNION ST
OAKLAND CA

CASS, Inc.
2730 Peralta Street
Oakland, CA 94607
510-893-6476

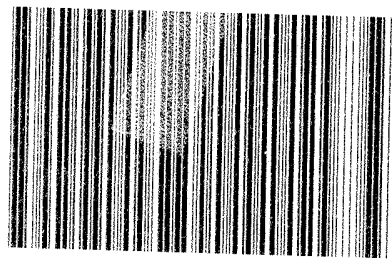
FERRANDO LAZARO
6730 MACARTHUR BLVD
OAKLAND, CA 94605
Driver's Lic: 10925109

Vehicle Tag: 7U64386
Ticket No. 678655
Start Date: 7/11/13 02:06pm
Complete: 7/11/13 02:34pm

CASS, Inc.
PAYMENT STUB
FERRANDO LAZARO
6730 MACARTHUR BLVD
OAKLAND, CA 94605

Ticket No. 678655
Date: 7/11/13 2:06 pm

Item	Gross Price	Tare	Net Total
STEEL-UNP	6,330.0	5,860.0	470.0
	\$ 210.0000	N/A	\$49.35
			\$49.35



Item	Gross Price	Tare	Net Total
STEEL-UNP	6,330.0	5,860.0	470.0
	210.00	N/A	\$49.35
			\$49.35

Please Sign Here:
For Payor Firms Aqui:

[Signature]

By signing this receipt, I represent and certify, under penalty of perjury, that this material does not contain any hazardous substances as defined by federal or state law. Furthermore, I represent and certify I am the lawful owner of this material and can convey legal title of same to Purchaser/Payor. I agree to indemnify, defend and hold harmless Purchaser/Payor if these representations and certifications are untrue.

Except as otherwise allowed by law, payment may be picked up after 3 business days. Any payment not picked up after 30 days will be mailed to the above address.