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## UNDERGROUND STORAGE TANK REMOVAL REPORT

JOBSITE ADDRESS: THE SALVATION ARMY 601 WEBSTER STREET OAKLAND, CA 94607 August 8, 2011

Mr. Keith Matthews City of Oakland Fire Prevention Bureau 250 Frank H. Ogawa Plaza, Suite 3341 Oakland, CA 94612

Subject:

Underground Storage Tank Closure Report

The Salvation Army 601 Webster Street Oakland, California

Dear Mr. Matthews:

Terry Hamilton, an engineering contractor, has prepared this report, in conjunction with ATC Associates, on behalf of The Salvation Army (TSA), describing underground fuel storage tank (UST) removal activities associated with the above referenced site. The purpose of the UST closure activities was to remove inactive USTs and determine whether any leakage had occurred by examining soils in the vicinity of the USTs and fuel dispensers.

#### **Site Location**

The site is located at 601 Webster Street in Oakland, California, as shown on **Figure 1**. Principal land use in the vicinity of the site consists of commercial properties including restaurants, a hotel, and several gas stations, as shown on **Figure 2**.

### **Background Information**

The site is developed as a warehouse and distribution center for TSA. According to verbal information provided by TSA, one or more USTs were removed from the site in approximately 2000. A visual soil investigation was performed during the removal and before new USTs were installed, and the pit was aerated for an unknown period of time before two new USTs were installed.

In early 2010, TSA made the decision to discontinue on-site fueling operations and remove the USTs and dispenser equipment from the truck docks loading area.

### **Permitting**

A UST Excavation Permit (Attachment 1) and associated fees was submitted to and approval granted by the Oakland Fire Department for the excavation and removal of two USTs at the site.

#### **Excavation of the USTs and Former Dispenser Areas**

Underground Service Alert (USA) was contacted to allow time for utility companies to identify underground lines, pipes, or cables that could be affected by the excavation activities.

The 10,000-gallon capacity UST formerly contained diesel and the 8,000-gallon capacity UST formerly contained gasoline. Both USTs were doubled walled with a primary tank and

secondary containment constructed of steel contained within a fiberglass outer shell. Both USTs were checked for the presence of petroleum products and triple rinsed prior to removal.

On November 2, 2010, the field activities began with the removal of concrete and exposure of the tops and sides of the USTS. The top of the 10,000-gallon UST was observed to be at an estimated elevation of 4-feet below grade surface and the bottom at 12-feet bgs. The top of the 8,000-gallon UST was observed to be at an estimated elevation of 4-feet below grade surface and the bottom at 12-feet bgs.

At the end of the first day of excavating, the soil at the North-West corner of the excavation at 12 feet bgs appeared impacted, being grey in color, and released an obvious odor when disturbed. A grab sample was collected in a brass tube and sealed for profiling purposes. The sample was placed in a cooler chilled with ice and transported under chain-of-custody documentation to State-certified Argon Laboratories (ELAP Cert. No. 2358) for analyses of total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd) utilizing EPA method 8015 modified and benzene, toluene, ethylbenzene, and xylenes (BTEX) utilizing EPA method 8021B. Results indicated an aged gasoline release had occurred with TPHg concentrations of 47 milligrams per kilogram (mg/kg) of soil, no diesel or benzene and slight concentrations of toluene, ethylbenzene, and xylenes. Analytical results are included as **Attachment 2**.

On November 22, 2010, Mr. Keith Matthews of City of Oakland Fire Prevention Bureau made an interim progress inspection of the removal operations of the USTs. A copy of Mr. Matthews' Hazardous Materials Inspection Report is included as **Attachment 3**. The two USTs were triple rinsed, and approximately 750 gallons of rinsate was removed from the USTs and was placed in clean 55-gallon D.O.T. steel drums for later disposal.

The USTs appeared to be in good condition, with no visible holes or signs of leakage. The USTs were deemed non-hazardous pursuant to Title 22 by Mr. John C. Edgar, of the firm Edgar Environmental, Inc., a N.F.P.A. Certified Marine Chemist, Registration #686. Mr. Edgar issued a Tank Cleanliness Certificate which is included as **Attachment 4**.

The UST removal activities resumed on November 23, 2010. ATC Associates Inc. (ATC), an environmental consulting firm, was subcontracted due to the obvious contamination conditions to make observations for a potential future remediation work plan, conduct field screening of contaminated soil and collect soil samples as directed by Mr. Matthews following removal of the USTs and dispensers. Jim Kundert of ATC arrived at the site at approximately 12:00 p.m.

At about 1:00 p.m., each UST was inerted by placing approximately 200 pounds of dry ice within each UST prior to their being removed from the UST pit with a crane. (**Photos 1 & 2**). The UST were then lifted onto a flatbed truck owned and operated by West Coast Equipment, 1221 S. Tegner Rd, Turlock, CA. (**Photo 3**). The decommissioned UST's were further modified for use as non-potable water storage tanks in a fire-suppression system or dust control application. A copy of the UST Disposal or Reuse Certification is included as **Attachment 5**.

At the conclusion of UST removal and excavation activities, the pit was approximately 35 feet long (northwest to southeast), approximately 20 feet wide (northeast to southwest), and approximately 14 feet deep.

The excavated soil on top and around the USTs was stockpiled near the pit. Mr. Kundert utilized a photo ionization detector (PID) calibrated to detect fuel range organics to qualify petroleum impacted soil. The excavated soil was confirmed as being contaminated with petroleum.

The soil from approximately 14 to 15 feet below ground surface (bgs) was visibly impacted, grey in color, and released an obvious petroleum motor fuel odor when disturbed. Below this interval the sandy soil color returned to the native light brown color but retained an odor to as deep as 17 feet bgs. (Photos 4 & 5)

Ten soil samples were collected into brass tubes, the ends of which were sealed with Teflon sheeting and capped, then placed on ice for transport to Argon Laboratories (ELAP Cert. #2359) in Ceres, California for analysis. Locations of soil samples collected during each phase of excavation are indicated on **Figure 3**. Six samples were collected from the bottom of the pit at 14 feet bgs, and an additional sample was collected from approximately 17 feet bgs. Two samples were collected from the excavated soil and one sample was collected from the loose soil that had collected in the bottom of the pit during UST removal and earlier sampling activity.

The steel product supply pipes were observed to be 3-feet bgs and extended 8-feet beyond the USTs with one 90 degree change of direction from the USTs to the respective single product dispensers. Both USTs, including all associated piping, and vent pipes were removed from where they were installed. Piping was decontaminated during the triple rinse process and recycled.

Bulldog Oil of California LLC CA HW Hauler ID #5711 of 5300 Claus Road, Bldg 11 Riverbank, CA 95367 removed the rinsate and transported it via HW Manifest to Riverbank Oil Transfer, LLC. Riverbank, Stanislaus County, California. The copy of the manifest is included as **Attachment 6.** 

### **Backfill**

On November 29, 2010, the excavation was backfilled, first with the soil that had been previously stockpiled during excavation activities. The balance of the excavation was filled to the surface with recycled concrete base rock. No excavated soil was shipped off site due to time and work space constraints that impaired shipping operations.

### Soil Sampling and Analyses

Soil samples were placed in a cooler chilled with ice and transported by Jim Kundert of ATC under chain-of-custody documentation to Argon Laboratories for analyses. The soil samples were analyzed for total petroleum hydrocarbons as quantified as gasoline (TPHg) and total petroleum hydrocarbons quantified as diesel (TPHd) by EPA Method 8015M; and benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE) di-isopropyl ether (DIPE), tertiary amyl ether (TAME), tertiary butyl ether (TBA), 1,2-dichloroethane (1,2-DCA), and 1,2-dibromoethane (EDB) utilizing EPA Method

8260B. In addition, one sample from the bottom of the pit was analyzed for total lead by EPA Method 6010B.

### **Analytical Results**

ATC submitted a total of ten excavation soil samples to Argon Laboratories in Ceres, California.

Results of the soil analyses are summarized in **Table 1**. Laboratory reports for the excavation are included in **Attachment 7**.

### Discussion and Conclusion

Analyses of the soil samples collected following the UST removal indicate that soil impacted with gasoline is present from 14 feet bgs to at least 17 feet bgs, with visible discoloration present at 14 to 15 feet bgs across the entire area of the UST pit.

The lateral and vertical extent of the impacted soil cannot be determined solely from the observations and analyses related to the UST pit during UST removal activities.

If you have any questions or require additional information regarding this report, please contact me at (209) 404-7700.

Respectfully submitted,

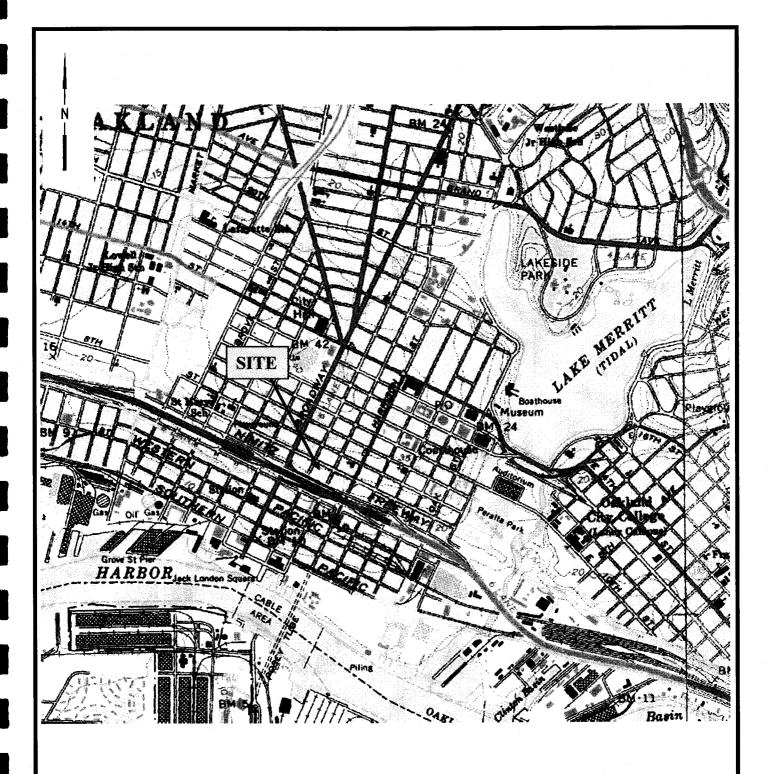
Terry D. Hamilton

Contractor

cc:

Ms. Kaye Patterson – TSA

Ms. Donna Drogos P.E., Alameda County LOP



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OAKLAND WEST QUADRANGLE, CALIFORNIA, DATED 1959, PHOTO-UPDATED 1980.



1117 Lone Palm Ave, Ste 201 Modesto, CA 95351 (209) 579-2221

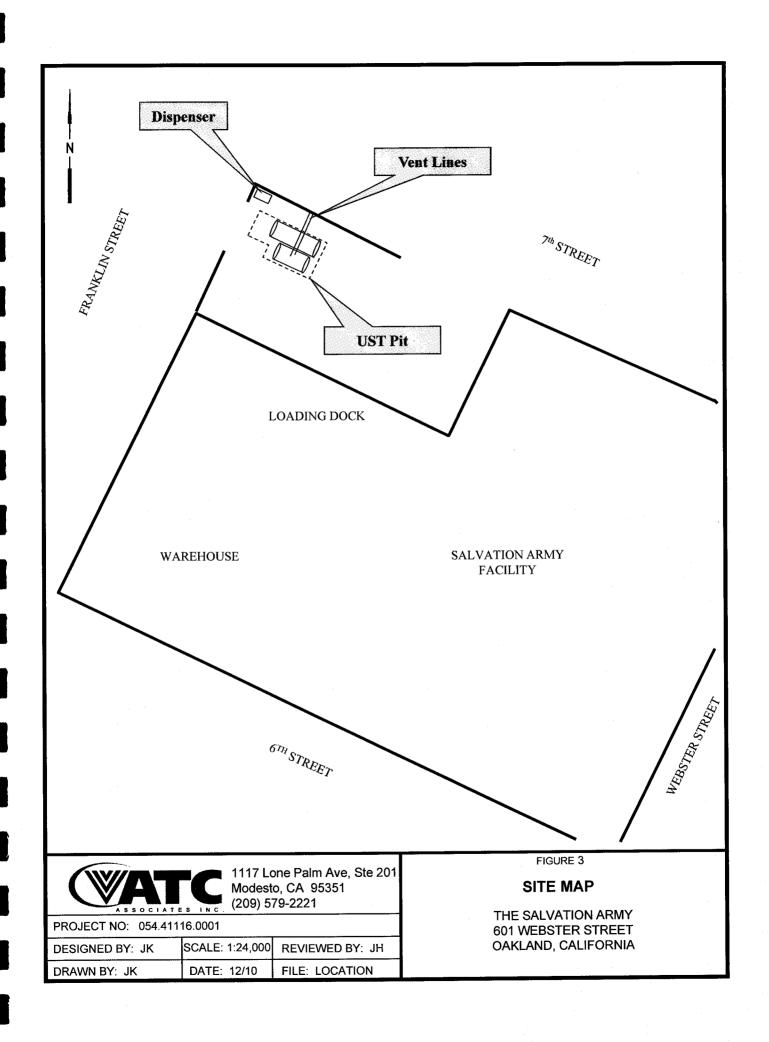
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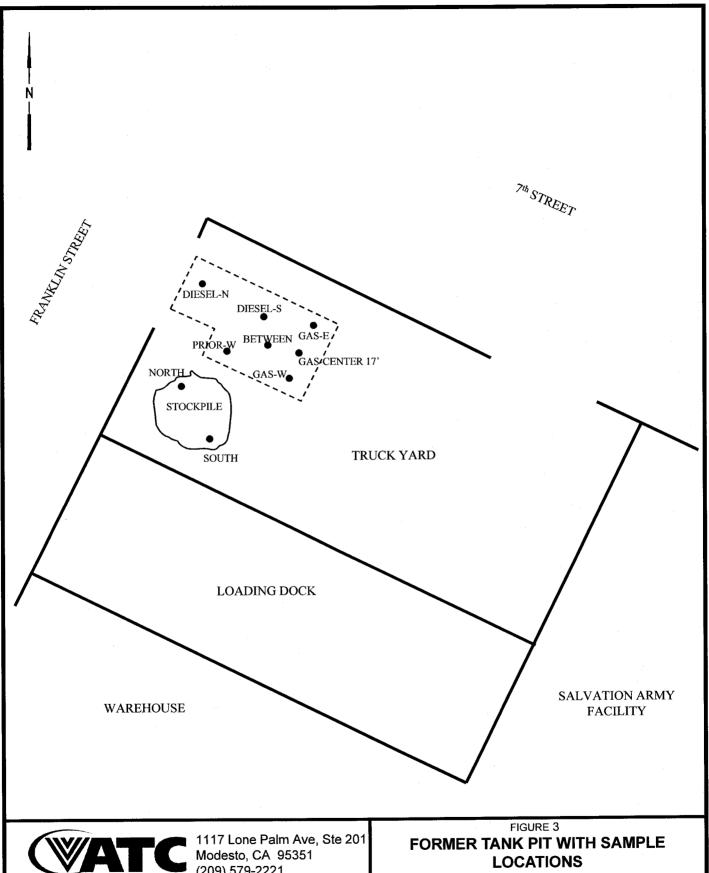
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DRAWN BY: JK DATE: 12/10 FILE: LOCATION

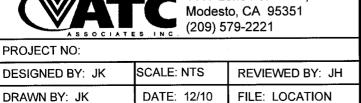
FIGURE 1

### SITE LOCATION MAP

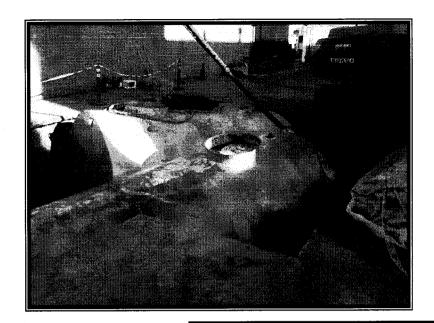
THE SALVATION ARMY 601 WEBSTER STREET OAKLAND, CALIFORNIA

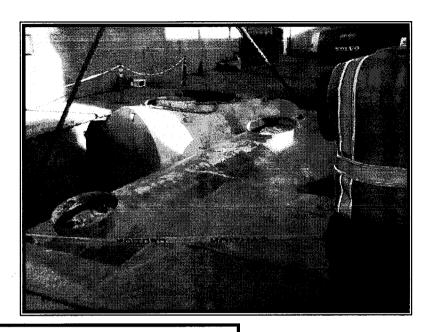






THE SALVATION ARMY 601 WEBSTER STREET OAKLAND, CALIFORNIA





Photos 1 & 2: USTs immediately prior to extraction from UST pit

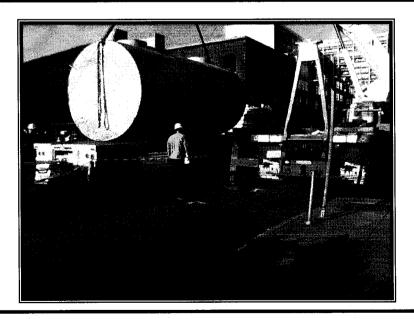
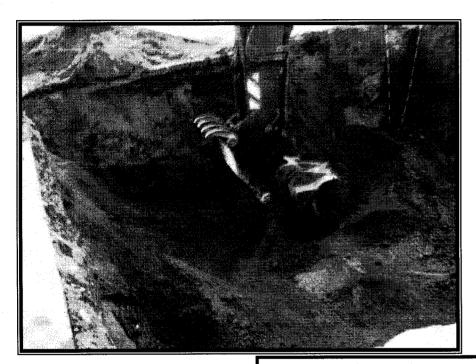
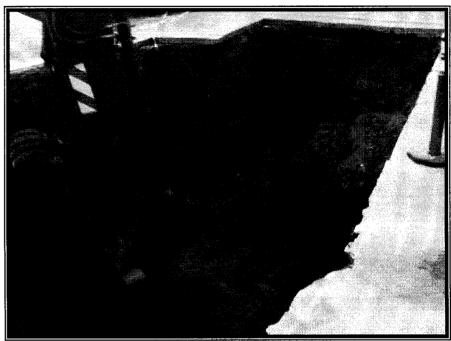


Photo 3: 10,000-gal UST hoisted on to flatbed.





Photos 4 & 5: UST Excavation at sampling depth with discolored soil

# TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS Salvation Army Depot Oakland, California (Page 1 of 1)

		(Reported in mg/kg)													
Date	Sample ID	MTBE	Benzene	Toluene	Ethyl	Xylenes	TPHg	TPHd	Lead	Fuel					
					Benzene					Oxygenates <sup>a</sup>					
11/23/2010	Diesel-N 14'	<2.0	4.2	4.4	52	190	1,800	<75	_	<mdls< td=""></mdls<>					
	Diesel-S 14'	<2.0	2.2	17	71	270	2,800	<150	7.9	<mdls< td=""></mdls<>					
	Prior-W 14'	<2.0	<2.0	4.3	77	190	2,400	<150		<mdls< td=""></mdls<>					
	Gas-E 14' <0.16 <0.16 <0.16 <b>2.8 .4</b>		4.4	160	<15	-	<mdls< td=""></mdls<>								
	Gas-W 14'	<0.40	0.71	2.6	11	36	410	<150		<mdls< td=""></mdls<>					
	Between Tanks 14'	<0.050	<0.050	0.063	1.6	2.4	90	<15		<mdls< td=""></mdls<>					
	Gas Center 17'	<16	300	1,200	320	1,700	17,000	<150		<mdls< td=""></mdls<>					
	Stockpile Comp South	<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<5.0		<mdls< td=""></mdls<>					
	Stockpile Comp North	<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<5.0		<mdls< td=""></mdls<>					
	Pit Spoils	<0.20	<0.20	<0.20	1.9	7.8	210	<15		<mdls< td=""></mdls<>					

#### Notes:

Units in Milligrams per Kilogram (mg/kg) = Parts per Million (ppm)

MTBE - Methyl Tertiary Butyl Ether by EPA Method 8260B

-- Not Analyzed

Benzene - Benzene by EPA Method 8020 or 8260B

Toluene - Toluene by EPA Method 8020 or 8260B

Ethyl Benzene - Ethylbenzene by EPA Method 8020 or 8260B

Xylenes - Xylenes by EPA Method 8020 or 8260B

TPHg - Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015

TPHd - Total Petroleum Hydrocarbons as Diesel by DOHS LUFT Method

Lead - Total Lead by EPA Method 3050A or 6010

<MDLs - Not Detected at or Above Stated Method Detection Limit

a - See Laboratory Data Sheets for Laboratory Method Detection Limits (MDLs)

Fuel Oxygenates - Fuel Oygenates by EPA Method 8260 or 8260B; Only Constituents which were detected are listed

## UNDERGROUND STORAGE 'CLOSURE PERMIT APP

For use by Unidocs Member Agencies or where approved

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	94607
Address: 601 Webster Street . City: Oakland Zip:	34001
EPA ID No.: CA002655792 Contact Person: Renay Panoncialman Phone No.: (510)	451-4514
2. Tank Owner's Name: THE SALVATION ARMY	
Address: 601 Webster Street City: Oakland Zip:	94607
3. Tank Operator's Name: THE SALVATION ARMY	
Address: 601 Webster Street City: Oakland Zip:	94607
4. Applicant's Name: Terry D. Hamilton	
Address: 1502 Westbrook Court City: Modesto Zip:	95358
Contact Person: Terry Hamilton Phone No.: (209)	404-7700
5. Tank Closure Contractor Business Name: Terry D. Hamilton	
(As registered with the Contractors State License Board at www.cslb.ca.gov)  Address: 1502 Westbrook Court City: Modesto Zip:	95358
CSLB License No.: 339108 Contact Person: Terry Hamilton Phone No.: (209)	404-7700
Business License (if required): ⊠ on file; ☐ attached; ☐ not applicable	
6. Firm that will take soil/water samples: Argon Laboratories Phone No.: (209)	581-9280
7. State-certified laboratory that will analyze samples: Argon Laboratories Phone No.: (209)	581-9280
This box is for agency use only	

Labora	Laboratory analyses shall test for:												
	TPHG	TPHD	BTEX, MTBE, TAME, ETBE, DIPE, TBA, EDB, EDC (EPA 8260)	Organic Lead (DHS-LUFT)	O&G	Cl HC	Metals (Cd, Cr, Pb, Ni, Zn (ICAP or AA)	PCB, PCP, PNA, Creosote (EPA 8270)	pН	Other (Specify)			
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Tank 2	V	$\overline{}$	<b>\</b> /	J.									
Tank 3													
Tank 4							· ·						
Tank 5													
Tank 6													

Additional analyses may be required by inspector in field.

US	T System Closure Permit Applica	ation - p. 2 of 2 Tank Site Address (from page 1): 601 Webster Street, Oakland, 94607
8.	Name of Licensed Transporter of	Tanks: ECOLOGY CONTROL INDUSTRIES, INC.
	EPA ID No.: CAD 982413262	Phone No.: (510) 235-1393
9.	Destination of Tanks and Piping:	255 Parr Avenue, Richmond, CA
10.	Tank System: Size (gallons)	Substance(s) Previously Contained
	Tank 1 10,000	Gasoline
	Tank 2 10,000	Diesel
	•	
	•	
Fac arra I co kno city	we closure permit application and ap- ility closure inspections must be s- ingements.  Pertify that I have read the tank- twiedge. The owner of the tank- and county ordinances and state	closure guidelines and declare that the above information is correct to the best of my s) described above is aware of the pending closure. I agree to comply with all applicable te laws relating to hazardous materials/wastes, and hereby authorize representatives of in mentioned property for inspection purposes.  **Tany D. Hamilton** 10/4/2010
	Applicant/Agent's Name (Pri	int) Applicant/Agent's Signature Date
The	se boxes are for agency use only THIS APPROVAL CO	NSTITUTES A PERMIT FOR REMOVAL OF THE ABOVE LISTED TANKS.
		Date:
	Print Name:	Sign Name:
	THIS CERTIFIES 1	THAT ALL TANK SYSTEM CLOSURE ACTIVITIES ARE COMPLETE.*
	Agency:	Date:
		Sign Name:
<u></u>		

\* If contamination of any detectable concentration is found, contact the leaking underground storage tank Local Oversight Program (LOP) and/or Regional Water Quality Control Board for cleanup and/or remediation requirements.

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TANK

### UNDERGROUND STORAGE TANKS - TANK PAGE 2

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## UNDERGROUND STORAGE TANKS – TANK PAGE 1

(two pages per tank)

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			RCED PLASTIC (FRP)				
TANK MATERIAL - secondary tank	I. BARESTEEL		GLASS/PLASTIC		. CONCRETE	☐ 95. UNKN	NOWN 445
·	2. STAINLESS STI	,	, CLAD WIFIBERGLA		•	LE W/100% METHANOL. 🗍 99. OTH	ER
			ORCED PLASTIC (FR		O. COATED STEE	,	
$\sim$	A	5. CONC		47	o. 00	·	
TANK INTERIOR LINING 1. R	UBBER LINED	3. EPOXY LINI		e i tamec	95. UN	KNOWN 446 DATEINSTALI	LED 447
· —		☐ 5. EPOX I LIIVI	NO ELECTRO	2 THAIRC	E 33. ON	MOWIE 410 DAILBING	
	LKYD LINING	4 PHENOLIC L	ining 🗌 6 unlin	ED	□ 99 OTHE		for local use only)
(Check one item only)		·	<u></u>			340	448
OTHER CORROSION I I MA	NUFACTURED CA	THODIC 3 FTE	ERGLASS REINFORG	CED PLAS	TC 🗹 95 U	NKNOWN 448	. 110.
PROTECTION IF APPLICABLE PRO		4 IMD	PRESSED CURRENT		☐ 99 O		
	TRIFICIAL ANODE						or local use only)
	IR INSTALLED	450 TYPE	local use only) 451	OVERFI	LL PROTECTION	EQUIPMENT YEAR INSTALLED	452
(Check all that apply) 1 SPILL CON	TAINMENT		j	I AL	ARM	3 FILL TUBE SHUT OFF VA	LVE
IT 2 DROP TU	JBE	* 4			LL FLOAT	☐ 4 EXEMPT	
☐ 3 STRIKER	PLATR						
		OPTECTION	A description of the monitor	ring program	shall be submitted to	the local agency.)	
IF SINGLE WALL TANK (Check all			453			TANK OR TANK WITH BLADDE	R 454
				(Check	one item only)		
☐ I VISUAL (EXPOSED PORTION O	-		NK GAUGING (MTG	· 1 —.	- ·	WALL IN VAULT ONLY)	
2 AUTOMATIC TANK GAUGING	(ATG)	6 VADOSE ZO		3		reastitial monitoring	
☐ 3 CONTINUOUS ATG		☐ 7 GROUNDWA	TER	1 □39	IANUAL MONIT	ORING	
☐ 4 STATISTICAL INVENTORY REC	CONCILIATION	☐ 8 TANK TESTI	NG	[·	KA	)	
(SIR) BIENNIAL TANK TEST		99 OTHER		ĺ	18/17	·	
	IV. TANK C	LOSURE INFO	RMATION / PERM	ANENT	CLOSURE IN	PLACE	
ESTEMATED DATE LAST USED (YR/	MO/DAY) 455	ESTIMATED ON	ANTITY OF SUBSTA	NCE REM	AINING 456	TANK FILLED WITH INERT MATE	RIAL? 457
			25	gallons		Yes D No	
L		L	, , , , , , , , , , , , , , , , , , ,				

## FIED PROGRAM CONSOLIDATED FC

TANKS

### UNDERGROUND STORAGE TANKS - TANK PAGE 1

TYPE OF ACTION	OND		10111023 12		MARAIGE I	(two pages per tank)
3 RESIDNAL PRIBATE   Gently research and real control   Gently research for the local search)   Gently research for the local search   Gently research for the local search   Gently research for the local search   Gently research   Gently resear	TYPE OF ACTION  1 NEW SITE PERM	T 4 AMENDED PER	MIT 5 CHANGE OF	INFORMATION [	] 6 TEMPORARY SITE (	
FACILITY ID:	(Check one item only)	· .		C	7 PERMANENTLY CI	OSED ON SITE
FORMAND   STANK CONSTRUCTION   A readed plot plan with the location of the UST system including buildings and handmarks shall be submitted to the local agency    I. TANK DESCRIPTION (A readed plot plan with the location of the UST system including buildings and handmarks shall be submitted to the local agency    I. TANK DESCRIPTION (A readed plot plan with the location of the UST system including buildings and handmarks shall be submitted to the local agency    I. TANK LOSE CAPACITY BY GALLONS   56   MUMBER OF COMPARTMENTALIZED TANK   76   12   76   0.04    I. TANK USE   17   AND CARACTURER   38   COMPARTMENTALIZED TANK   76   12   76   0.04    I. TANK USE   18   AND CAPACITY BY GALLONS   56   MUMBER OF COMPARTMENTS   397    I. TANK USE   19   PETROLEUM TYPE   10   10   10   10   10   10    I. TANK USE   10   AND CAPACITY BY GALLONS   10   10   10   10   10    I. TANK USE   10   AND CAPACITY BY GALLONS   10   10   10   10   10    I. TANK USE   10   AND CAPACITY BY GALLONS   10   10   10   10   10    I. TANK CONSTRUCTION   40   AND CAPACITY BY GALLONS   10   10   10   10    I. TANK CONSTRUCTION   40   CAPACITON FUEL   60   AND AVAILON FUEL	☐ 3 RENEWAL PERM	AIT (Specify reason - for in	ent use only) (Specify reason.	for local use only)	8 TANK REMOVED	430
LTANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shell be submitted to the local agency.)    TANK D	BUSINESS NAME (Same as FACILITY NAME of	or DBA - Doing Business As)				1
TANK DESCRIPTION (A scaled plotyplas with the localism of tile UST system including buildings and londmarks shall be submitted to the local agency.)   TANK DE	The Salvation	Arma	'			
TANK ID # 49   TANK MANUFACTURER   49   TANK CONTENUES   40   TANK	LOCATION WITHIN SITE (Optional)			<del>.</del>		431
TANK ID # 49   TANK MANUFACTURER   49   TANK CONTENUES   40   TANK	A TANTE WESCHIEFFENI (A contest	mint with the it anti-	-Fall a 110T anatom implied	ing buildings and 1	andmarks shall be subm	itted to the legal person )
DATE INSTALLED (YEARMO) 45 TANK CAPACITY IN GALLONS 65 NUMBER OF POPI for each compensused.    IN JUNE						
DATE INSTALLED (YEARAMO) 49 TANK CAPACITY IN GALLONS 68 NUMBER OF COMPARTMENTS 497    ADDITIONAL DESCRIPTION (Not-local use only)	TANK ID#	11 - lens		COMMITTER		
ADDITIONAL DESCRIPTION (row back see sely)    ADDITIONAL DESCRIPTION (row back see sely)	DATE INSTALLED (VEADIMO) 435					
ADDITIONAL DESCRIPTION (for boat use only)    II. TANK CONTENTS	14.4.		ALLONS	TO MOLE		437
TANK USE				1 0//		′. 438
TANK USE   49   PETROLEUM TYPE   16   REGULÁR UNIEADED   2 LEADED   5 JET FUEL   16 AVIATION FUEL   17 PETROLEUM   16 AVIATION FUEL   16 AVIATION FUEL   16 AVIATION FUEL   17 PETROLEUM   16 AVIATION FUEL   17 PETROLEUM   16 AVIATION FUEL   16 AVIATION FUEL   17 PETROLEUM   16 AVIATION FUEL   17 PETROLEUM   17 PETROLEUM   18 AVIATION FUEL   18 AVIATION	ADDITIONAL DESCRIPTION (FOR ROLLING	only)		•	. ,	430
1. MOTOR VEHICLE FUEL   16. REGULÁR UNILEADED   2. LEADED   3. JET FUEL   16. AVIATION FUEL   16. AVIATI			II. TANK CONTENTS	3		
	TANK USE 439 PETR	OLEUM TYPE				440
11. PREMILIA DILEADED   3. DIESEL   6. AVIATION FUEL	1. MOTOR VEHICLE FUEL 12.	REGULAR UNLEADED	2, LEADED	☐ 5. JET FUE	iL.	
3. CHEMICAL PRODUCT   4. HAZARDOUS WASTE   Guestosts used   Guestosts used   Guestosts used   Guestosts used   Guestosts used   Guestost use	1		3. DIESEL	6. AVIATIO	ON FUEL	
3. SINGLE WALL WITH INTERNAL BLADDER SYSTEM	☐ 2. NON-FUEL PETROLEUM ☐ 1c.	MIDGRADE UNLEADED	4. GASOHOL	99. OTHER		
DS. UNKNOWN   DISTRICTION	3. CHEMICAL PRODUCT COM	AON NAME (from Hazardous	Materials Inventory page)	441 CAS# (	from Hazardous Materials Inven	tory page ) 442
11. SINGLE WALL   3. SINGLE WALL WITH   15. SINGLE WALL WITH INTERNAL BLADDER SYSTEM   443	ET 4 TERREDONIC WARTE					
TIL TANK CONSTRUCTION	(inchedes Used Oil)	rleaded C	sasoline	,		
TYPE OF TANK	☐ 95. UNKNOWN					
Circle one fines only     2. BOURLE WALL     3. SIGNLE WALL IN VAULT     99. OTHER     95. UNKNOWN     1. BARE STEEL     3. FIBERGLASS /FLASTIC     5. CONCRETE     95. UNKNOWN   444     444     444     444     445     44		111.	TANK CONSTRUCT	ION		
2 DOUBLE WALL	TYPE OF TANK IN 1. SINGL	EWALL [] 3. SINGLE	WALL WITH	1. SINGLE W	ALL WITH INTERNAL BI	LADDER SYSTEM 443
TANK MATERIAL primary bank [1]. BARE STEEL [3]. FIBERGLASS /FLASTIC [3]. CONCRETE [9]. UNKNOWN 444 (Check our biess only) [2]. STAINLESS STEEL [4]. STEEL CLAD WIFEBERGLASS [8]. FRP COMPTIBLE WIFEBERGLASS [9]. DITEST REINFORCED PLASTIC (FRP) [1]. STAINLESS STEEL [1]. STEEL CLAD WIFEBERGLASS [1]. FRP COMPTIBLE WIFEBERGLASS [1]. FRP COMPTIBLE WIFEBERGLASS [1]. STAINLESS STEEL [1]. STAINLESS STEEL [1]. STAINLESS STEEL [1]. STAINLESS STEEL [1]. STEEL CLAD WIFEBERGLASS [1]. FRP COMPTIBLE WIFEBERGLASS [1]. STAINLESS STEEL [1]. STAINLES	(Check one item only)	EXTER	OR MEMBRANE LINER	🛮 95. UNKNOW	N	
(Check one item only)    2. STAINLESS STEEL   4. STEEL CLAD W/FIBERGLASS   8. FRP COMPTIBLE W/100% METHANOL   99. OTHER    REINFORCED PLASTIC (FRP)   15. CONCRETE   95. UNKNOWN   445     Check one item only)   2. STAINLESS STEEL   4. STEEL CLAD W/FIBERGLASS   8. FRP COMPTIBLE W/100% METHANOL   99. OTHER   Check one item only)   2. STAINLESS STEEL   4. STEEL CLAD W/FIBERGLASS   8. FRP COMPTIBLE W/100% METHANOL   99. OTHER   Check one item only)   3. EPOXY LINING   4. STEEL CLAD W/FIBERGLASS   8. FRP COMPTIBLE W/100% METHANOL   99. OTHER   Check one item only)   3. EPOXY LINING   4. STEEL CLAD W/FIBERGLASS   8. FRP COMPTIBLE W/100% METHANOL   99. OTHER   CONCRETE   95. UNKNOWN   446   0. COATED STEEL     S. CONCRETE   99. OTHER   99. OTHER     Check one item only)   4. FREED CATHODIC   3. EPOXY LINING   6. UNLINED   99. OTHER   99. OTHER     Check one item only)   2. SACRIFICIAL ANODE   4. EPOXY LINING   6. UNLINED   99. OTHER     Check one item only)   2. SACRIFICIAL ANODE   6. OTHER CURRENT   99. OTHER     Check one item only)   2. SACRIFICIAL ANODE   6. OTHER CURRENT   99. OTHER     Check one item only)   2. STAINLESS STEEL   4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC   99. OTHER     Check one item only)   4. MARKENDET CONTAINMENT   99. OTHER   99. OTHER     Check one item only)   4. MARKENDET CONTAINMENT   99. OTHER   99. O	□ 2_BOUB	LE WALL 4. SIGNLE	EWALLIN VAULT	99. OTHER		
REINFORCED PLASTIC (FRP)  TANK MATERIAL - secondary tank   1. BARE STEEL   3. FIBERGLASS / PLASTIC   5. CONCRETE   95. UNKNOWN   445 (Check one siem only)   2. STAINLESS STEEL   4. STEEL CLAD W/FIBERGLASS   8. FRY COMPTIBLE W/16096 MBTHANOL   199. OTHER   FROM CONTROL   10. COATED STEEL   10. COAT	TANK MATERIAL - primary tank 1/2 1. BARE	STEEL 3. FIBERO	LASS/PLASTIC			
TANK MATERIAL - secondary tank   1. BARE STEEL   3. FIBERGLASS / PLASTIC   5. CONCRETE   99. UNKNOWN   445	(Check one item only) 2. STAIN	LESS STEEL 4. STEEL	CLAD WIFIBERGLASS	8. FRP COMPT	TBLE W/100% METHAN	OL 99. OTHER
(Check one lieus only)    12 STAINLESS STEEL   4 STEEL CLAD W/FIBERGLASS   8 FRP COMPTIBLE W/100% METHANOL   99. OTHER   REINFORCED PLASTIC (FRP)   10. COATED STEEL,   5 CONCRETE   10. COATED STEEL,   5 CONCRETE   10. COATED STEEL,   6 STEEL CLAD W/FIBERGLASS (FRP)   10. COATED STEEL,   7 STORE   10. COATED STEEL,   7 STORE   10. COATED STEEL,   8 FRP COMPTIBLE W/100% METHANOL   99. OTHER   99. OTHER CORROSION   1 MANUFACTURED CATEODIC   3 FIBERGLASS REINFORCED PLASTIC   99. OTHER     7 OF local use only)   10 SACRIFICIAL ANODE   1 MANUFACTURED CATEODIC   3 FIBERGLASS REINFORCED PLASTIC   99. OTHER     8 FRP COMPTIBLE   99. OTHER   99. OTHER     99. OTHER   99. OTHER   99. OTHER     1 ALARM   13 FILL TUBE SHUT OFF VALVE     1 ALARM   14 EXEMPT     1 ALARM   15 FILL TUBE SHUT OFF VALVE     2 BALL FLOAT   4 EXEMPT     3 STRIKER PLATE   10 SMANUAL TANK GAUGING (MTG)     1 ALARM   15 FILL TUBE SHUT OFF VALVE     1 ALARM   15 FILL TUBE SHUT OFF VALVE     2 BALL FLOAT   4 EXEMPT     3 STRIKER PLATE   10 SMANUAL TANK GAUGING (MTG)     4 ALARM   15 FILL TUBE SHUT OFF VALVE     1 ALARM   15 FILL TUBE SHUT OFF VALVE     1 ALARM   15 FILL TUBE SHUT OFF VALVE     1 ALARM   15 FILL TUBE SHUT OFF VALVE     2 BALL FLOAT   4 EXEMPT     3 STRIKER PLATE   10 SMANUAL TANK GROUND     4 STATISTICAL INVENTORY RECONCILIATION   1 SMANUAL TANK GROUND     4 STATISTICAL INVENTORY RECONCILIATION   1 SANK TESTING     4 STATISTICAL INVENTORY RECONCILIATION   1 SANK TESTING     5 STIMATED QUANTITY OF SUBSTANCE REMAINING   456 TANK FILLED WITH INERT MATERIAL?     5 STIMATED DATE LAST USED (YARMODAY)   457 ESTIMATED QUANTITY OF SUBSTANCE REMAINING   456 TANK FILLED WITH INERT MATERIAL?     5 STIMATED QUANTITY OF S		REINFO	RCED PLASTIC (FRP)	<u> </u>		
REINFORCED PLASTIC (FRP)   10, COATED STEEL.    S. CONCRETE     10, COATED STEEL.       10, COATED STEEL.	· · · · · · · · · · · · · · · · · · ·	_ ·			the second control of	· · ·
TANK INTERIOR LINING   1. RUBBER LINED   3. EPOXY LINING   5. GLASS LINING   295. UNKNOWN   446   DATE INSTALLED   447  OR COATING (Check one iteratorly)   2 ALKYD LINING   4 PHENOLIC LINING   6 UNLINED   99 OTHER    OTHER CORROSION   1 MANUFACTURED CATHODIC   3 EIBERGLASS REINFORCED PLASTIC   95 UNKNOWN   448   448  PROTECTION IF APPLICABLE PROTECTION   4 IMPRESSED CURRENT   99 OTHER    (For local use only)   2 SACKIFICIAL ANODE   (For local use only)   451   OVERFILL PROTECTION EQUIPMENT PLANE RISTALLED   452  (Check onlithat apply)   1 SPILL CONTAINMENT   1 ALARM   1 SFILL TUBE SHUT OFF VALVE    (L'DECK onlithat apply)   1 SPILL CONTAINMENT   1 ALARM   1 SFILL TUBE SHUT OFF VALVE    (L'DECK onlithat apply)   2 SACKIFICIAL ANODE   3 STRIKER PLATE   2 BALL FLOAT   4 EXEMPT    (Check onlithat apply)   451   OVERFILL PROTECTION EQUIPMENT PLANE RISTALLED   452  (Check onlithat apply)   451   OVERFILL PROTECTION EQUIPMENT PLANE RISTALLED   452  (Check onlithat apply)   451   SPILL CONTAINMENT   2 BALL FLOAT   4 EXEMPT   454  (Check onlithat apply)   451   SPILL CONTAINMENT   454  (Check onlithat apply)   451   SPILL TANK (Check oil that apply)   451	(Check one item only) 2. STAI					NOL LI99. OTHEK
TANK INTERIOR LINING	NIA			10. COATED	STERE	
TANK INTERIOR INTERIO	, , //1			TVAS	TINDENOMENS 446	DATE INSTALLED 447
(Check onn tiens only)  OTHER CORROSION	TANK INTERIOR LINING LI I. RUBBER	LINEU LIS. EPOXYLIN	ING TOTAL			DATEBOARD
OTHER CORROSION		NING 4 PHENOLIC I	LINING 6 UNLINED	□ 99 0	THER	(For local use only)
PROTECTION IF APPLICABLE PROTECTION  Check one item only)  D 2 SACRIFICIAL ANODE  SPILL AND OVERFILL  YEAR INSTALLED  450  TYPE (local use only)  1 SPILL AND OVERFILL  YEAR INSTALLED  450  TYPE (local use only)  1 ALARM  1 ALARM					448	1
Check one item only					The state of the s	•
SPILL AND OVERFILL YEAR INSTALLED 450 TYPE (local use only) 451 OVERFILL PROTECTION EQUIPMENT YEAR INSTALLED 452 (Check off that apply) 12 SPILL CONTAINMENT		· · ·	PRESSED CURRENT	£13	9 OTHER	(For local use only)
(Check all that apply)    1 SPILL CONTAINMENT			(10-1) 451 O	VERFILL PROTECT	ION EOUIPMENT YEAR	
2 BALL FLOAT	• /		,		./	
IV. TANK LEAK DETECTION (A description of the monkering program shall be submitted to the local agency.)  IF SINGLE WALL TANK (Check all that apply)  453  IF DOUBLE WALL TANK OR TANK WITH BLADDER  (Check one item only)  1 VISUAL (EXPOSED PORTION ONLY)  1 VISUAL (EXPOSED PORTION ONLY)  1 VISUAL (SINGLE WALL IN VAULT ONLY)  2 CONTINUOUS INTERSTITIAL MONITORING  1 STATISTICAL INVENTORY RECONCILIATION  1 STANK TESTING  1 99 OTHER  1 V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE  ESTIMATED DATE LAST USED (YRMO/DAY)  455  ESTIMATED QUANTITY OF SUBSTANCE REMAINING  456  TANK FILLED WITH INERT MATERIAL?			1			
IV. TANK LEAK DETECTION (A description of the monkering program shall be submitted to the local needs.)  IF SINGLE WALL TANK (Check all that apply)  453  IF DOUBLE WALL TANK OR TANK WITH BLADDER  (Check one item only)  1 VISUAL (SINGLE WALL IN VAULT ONLY)  1 VISUAL (SINGLE WALL IN VAULT ONLY)  1 VISUAL (SINGLE WALL IN VAULT ONLY)  1 O CONTINUOUS ATG  1 O GROUNDWATER  1 O GROUNDWATER  1 O STATISTICAL INVENTORY RECONCILIATION  1 S TANK TESTING  1 O OTHER  IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN FLACE  ESTIMATED DATE LAST USED (YRMO/DAY)  455  IF DOUBLE WALL TANK OR TANK WITH BLADDER  (Check one item only)  1 VISUAL (SINGLE WALL IN VAULT ONLY)  1 VISUAL (SINGLE WALL IN VAULT ONLY)  2 CONTINUOUS INTERSTITIAL MONITORING  1 3 MANUAL MONITORING  1 3 MANUAL MONITORING  1 Y. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN FLACE  ESTIMATED DATE LAST USED (YRMO/DAY)  457	<u></u>	1	1	12 DALCTIONS		
IF SINGLE WALL TANK (Check oil that apply)  453  IF DOUBLE WALL TANK OR TANK WITH BLADDER  454  IF DOUBLE WALL TANK OR TANK WITH BLADDER  455  IF DOUBLE WALL TANK OR TANK WITH BLADDER  456  IF DOUBLE WALL TANK OR TANK WITH BLADDER  457  IF DOUBLE WALL TANK OR TANK WITH BLADDER  458  (Check one item only)  If VISUAL (SINGLE WALL IN VAULT ONLY)  If VISUAL (SINGLE WALL TANK OR TANK WITH BLADDER  (Check one item only)  If VISUAL (SINGLE WALL TANK OR TANK WITH BLADDER  (Check one item only)  If VISUAL (SINGLE WALL IN VAULT			(A description of the monitoring	program shall be submitt	ed to the local agency.)	
☐ 1 VISUAL (EXPOSED FORTION ONLY) ☐ 5 MANUAL TANK GAUGING (MTG) ☐ 1 VISUAL (SINGLE WALL IN VAULT ONLY) ☐ 2 AUTOMATIC TANK GAUGING (ATG) ☐ 6 VADOSE ZONE ☐ 2 CONTINUOUS INTERSTITIAL MONITORING ☐ 3 CONTINUOUS ATG ☐ 7 GROUNDWATER ☐ 3 MANUAL MONITORING ☐ 4 STATISTICAL INVENTORY RECONCILIATION ☐ 8 TANK TESTING ☐ 99 OTHER  IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN FLACE  ESTIMATED DATE LAST USED (YRMO/DAY) 455 ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 TANK FILLED WITH INERT MATERIAL? 457						VITH BLADDER 454
☐ 2 AUTOMATIC TANK GAUGING (ATG) ☐ 6 VADOSE ZONE ☐ 2 CONTINUOUS INTERSTITIAL MONITORING ☐ 3 CONTINUOUS ATG ☐ 7 GROUNDWATER ☐ 3 MANUAL MONITORING ☐ 3 MANUAL MONITORING ☐ 3 MANUAL MONITORING ☐ 3 MANUAL MONITORING ☐ 9 OTHER  IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE  ESTIMATED DATE LAST USED (YRMO/DAY) 455 ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 TANK FILLED WITH INERT MATERIAL? 457	-		ANIK CATICING GENT	(Check one item only)		
☐ 3 CONTINUOUS ATG ☐ 7 GROUNDWATER ☐ 3 MANUAL MONITORING ☐ 4 STATISTICAL INVENTORY RECONCILIATION ☐ 8 TANK TESTING ☐ 9 OTHER  IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE  ESTIMATED DATE LAST USED (YRMO/DAY) 455 ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 TANK FILLED WITH INERT MATERIAL? 457	· · · · · · · · · · · · · · · · · · ·		1		and the second s	
☐ 4 STATISTICAL INVENTORY RECONCILIATION ☐ 8 TANK TESTING  (SIR) BIENNIAL TANK TESTING ☐ 99 OTHER  IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE  ESTIMATED DATE LAST USED (YRMO/DAY) 455 ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 TANK FILLED WITH INERT MATERIAL? 457			1			•
(SIR) BIENNIAL TANK TESTING 99 OTHER  IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE EN PLACE  ESTIMATED DATE LAST USED (YRMO/DAY) 455 ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 TANK FILLED WITH INERT MATERIAL? 457	<del></del> · · · ·			and as m 1 1/2 12/2 1720	AUD	
IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE  ESTIMATED DATE LAST USED (YRMO/DAY)  455 ESTIMATED QUANTITY OF SUBSTANCE REMAINING  456 TANK FILLED WITH INERT MATERIAL?  457	-	<u> </u>			WIT	
ESTIMATED DATE LAST USED (YRMO/DAY) 455 ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 TANK FILLED WITH INERT MATERIAL? 457			RMATION / PERMAN	VENT CLOSURE	IN PLACE	
					56 TANK FILLED WI	TU WARK I MANAGEMENT
	10/9/28	2				Yes No

### FIED PROGRAM CONSOLIDATED F

DIF

TANK

### UNDERGROUND STORAGE TANKS - TANK PAGE 2

TO DEDUNG CONCERNS	MODEON -									
VI. PIPING CONSTRU  UNDERGROUND PIPING	CTION	Check all than apply) Page _ of _ ABOVEGROUND PIPING								
SYSTEM TYPE 1. PRESSURE 2. SUCTION 3. GRAV	TTY 458									
CONSTRUCTION 1. SINGLE WALL 3. LINED TRENCH 99. OTH										
MANUFACTURER [] 2. DOUBLE WALL 195. UNKNOWN	400	2 DOUBLE WALL 99, OTHER								
MANUFACTURER	461									
	1. BARES									
		ILESS STEEL 7. GALVANIZED STEEL								
\ <u></u>	_	FIC COMPATIBLE W/ CONTENTS S. FLEXIBLE (HDPE) 99. OTHER								
-	4. FIBER									
1 🗆 🕒	_	. W/COATING 95. UNKNOWN 465								
		ription of the monitoring program shall be submitted to the local agency.)								
UNDERGROUND PIPING		ABOVEGROUND PIPING								
SINGLE WALL PIPING	466	SINGLE WALL PIPING 467								
PRESSURIZED PIPING (Check all that apply):		PRESSURIZED PIPING (Check oli that apply):								
1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SOFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.		<ol> <li>ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.</li> </ol>								
2. MONTHLY 0.2 GPH TEST	- 1 -	12. MONTHLY 0.2 GPH TEST								
3. ANNUAL INTEGRITY TEST (0.1GPH)	1	3. ANNUAL INTEGRITY TEST (0.1GPH)								
•		14. DAILY VISUAL CHECK								
CONVENTIONAL SUCTION SYSTEMS		CONVENTIONAL SUCTION SYSTEMS (Check all that apply)								
5. Daily visual monitoring of pumping system + triennial pipe integrity test (0.1 GPH)	בן מא	5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM								
SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUNDPIPING):	1	☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)								
7. SELFMONITORING	!	SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):								
GRAVITY FLOW	\ E	7. SELFMONITORING								
☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)	i	SRAVITY FLOW (Check all that opply);								
		38. DAILY VISUAL MONITORING								
		9. BIENNIAL INTEGRITY TEST (0.1 GPH)								
SECONDARILY CONTAINED PIPING		SECONDARILY CONTAINED PIPING								
PRESSURIZED PIPING (Check all that apply):		RESSURIZED PIPING (Check all that apply):								
10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)	10	CONTINUOUS TURBINE SUMP SENSOR <u>WITH</u> AUDIBLE AND VISUAL     ALARMS AND (Check one)								
☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS		☐ a AUTO PUMP SHUT OFF WHEN A LEAK OCCURS								
☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTE	EM	☐ b AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM								
DISCONNECTION  C. NO AUTO PUMP SHUT OFF	.	DISCONNECTION  On Auto pump shut off								
[] 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHU	or I	11. AUTOMATIC LEAK DETECTOR								
OFF OR RESTRICTION										
12. ANNUAL INTEGRITY TEST (0.1 GPH)	1	3 12. ANNUAL INTEGRITY TEST (0.1 GPH)								
SUCTION/GRAVITY SYSTEM		UCTION/GRAVITY SYSTEM								
[] 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS		13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS								
EMERGENCY GENERATORS ONLY (Clack all that apply)  1 14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS	1	EMERGENCY GENERATORS ONLY (Check all that apply)  14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS								
1 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION		15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)								
☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)	1 -	] 16. Annual integrity test (0.1 GPH)								
☐ 17. DAILY VISUAL CHECK		17. DAILY VISUAL CHECK								
		ONTAINMENT								
DISPENSER CONTAINMENT I. FLOAT MECHANISM THAT SHUTS OFF										
DATE INSTALLED 468 2 2. CONTINUOUS DISPENSER PAN SENSOR 3. CONTINUOUS DISPENSER PAN SENSOR DISPENSER + AUDIBLE AND VISUAL AT	R <u>WITH</u> AU	$\overline{}$								
		OR SIGNATURE								
I certify that the information provided herein is true and accumue to the best of my knowledge.										
SIGNATURE OF OWNER/OPERATOR	D	ATE 10-4-10 470								
NAME OF OWN KIOPRATOR (print)	TI	ITLE OF OWNER/OPERATOR 472								
The Salvation Army	<u> </u>	Contractor								

Amended

11-22-10

## UNDERGROUND STORAGE TANK SYSTEM CLOSURE PERMIT APPLICATION

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

1.	Faci		Bldg	. No.: <u>N/A</u>								
	Add	iress: <u>60</u>	1 Webs	ster SWtreet				City: <u>Oaklan</u>	ıd		Zip:	94607
]	EPA	ID No.:	CAC00	2655792	Contact Per	son: Re	enay I	anoncialm	an Pho	ne No.:	(510)	451-4514
2.												
	Add	Zip:	94607									
3.	[anl	k Operato	or's Nam	e: THE SALVATI	ON ARMY	· <u>/</u>						
1	<b>Add</b> i	ress: <u>60</u>		Zip:	94607							
4. ,	App	licant's }	lame: <u>Te</u>	rry D. Hamilton								
1	<b>A</b> ddi	ress: <u>15</u>	02 Wes	stbrook Court	····		(	City: Modest	to		Zip:	95358
(	Conf	tact Perso	n: <u>Terr</u>	y Hamilton					Pho	ne No.:	(209)	404-7700
5. ]	<b>Cank</b>	c Closure	Contract	tor Business Name:								
	r v.t	45	00 14/		(As registered wi	th the Contr			t www.cslb.ca.gov)		Zin.	95358
	A.da	ress: 15	UZ VVES	stbrook Court			· `	City: Modes	(0		Zip.	90000
(	CSL	B Licens	e No.: <u>3</u>	39108	Contact Pers	on: <u>Te</u>	rry H	amilton	Pho	ne No.:	(209)	404-7700
I	Busi	ness Lice	ense (if re	equired): 🛮 🖾 on fi	le; 🔲 attach	ned; 🔲	not app	olicable				
6. I	irm	that will	take soil	/water samples: AT	C Associa	ites, In	c.		Pho:	ne No.:	(209)	579-2221
7. 8	State	-certifie	l laborate	ory that will analyze	samples: Ar	gon La	borat	ories, Inc.	Pho	ne No.:	(209)	581-9280
This	. ho	x is for	agency	use only								
				all test for:					······································			
		TPHG	TPHD	BTEX, MTBE, TAME,	Organic Lead (DHS-LUFT)	O&G	Cl	Metals (Cd,	PCB, PCP,	pН		Other
	ETBE, DIPE, TBA, (DHS-LUFT) HC Cr, Pb, Ni, Zn PNA, Creosote HDB, EDC (EPA \$260) (ICAP or AA) (EPA \$270)											(Specify)
Tank	1											
Tank												
Tank	3									<b>  </b>		
Tank					·	ļ				-		
Tank										-		
Tank	0				l	l						

Additional analyses may be required by inspector in field.

Page 1 of 2

UST System Closure Permit Applicati	on - p. 2 of 2 Tank Site Address (from page 1): 601 Webster Street, Oakland, CA
8. Name of Licensed Transporter of Ta	anks: West Coast Equipment
EPA ID No.: N/A	Phone No.: (209) 668-9378
9. Destination of Tanks and Piping: 15	540 West Linwood Avenue, Turlock, CA 95380
10. Tank System: Size (gallons)	Substance(s) Previously Contained
Tank 1 8,000	Unleaded Gasoline
Tank 2 10,000	Diesel
Tank 3	NOTE: TANKS DEEMED NON-HAZARDOUS PURSUANT TO TITLE 22
Tank 4	& "TANK CLEANLINESS CERTIFICATE", DATED NOVEMBER 19, 2010
Tank 5	BY EDGAR ENVIRONMENTAL, INC. N.F.P.A. CERTIFIED MARINE
Tank 6	CHEMIST, JOHN C. EDGAR, T.I.N. 272815151 (SEE ATTACHED CERT.)
local agency, provide an 8-1/2" x 11" r	urrent Hazardous Materials Business Plan (HMBP) which includes these tanks on file with the olot plan of the tanks to be closed. Indicate the nearest cross street to the facility, buildings on(s) of tanks to be closed, and location of nearby utilities.
This Underground Tank Closure Permit a new closure permit application and app	expires 6 months from the date of application. If tanks have not been closed within 6 months, propriate fees may be required.
Facility closure inspections must be scharrangements.	neduled at least 48 hours in advance. Call the appropriate local agency to make necessary
knowledge. The owner of the tank(s) city and county ordinances and state	losure guidelines and declare that the above information is correct to the best of my described above is aware of the pending closure. I agree to comply with all applicable laws relating to hazardous materials/wastes, and hereby authorize representatives of mentioned property for inspection purposes.
Terry D. Hamilton	Tana D. Hamilton 11/22/2010
Applicant/Agent's Name (Prin	
These boxes are for agency use only	STITUTES A PERMIT FOR REMOVAL OF THE ABOVE LISTED TANKS.
	Date:
Print Name:	Sign Name:
THIS CERTIFIES TH	IAT ALL TANK SYSTEM CLOSURE ACTIVITIES ARE COMPLETE.*
A gency:	Date:
Print Name:	

\* If contamination of any detectable concentration is found, contact the leaking underground storage tank Local Oversight Program (LOP) and/or Regional Water Quality Control Board for cleanup and/or remediation requirements.

### argon laboratories

03 November 2010

Terry Hamilton Terry Hamilton 1502 WestBrook Ct. Modesto, CA 95358

RE: The Salvation Army Project Data

Enclosed are the results for sample(s) received on 11/02/10 13:45 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto Lab Manager

### Argon Analytical Services, Inc.

2905 Railroad Ave Ceres, CA 95307

### **CHAIN OF CUSTODY**

1539

(209)581-9280 F	ax (209)581-9;	282 info@a	rgonlabs.com		γ					·				r			· .
Project No: 20 Project Title: 77 Location: 607 Sampler's Name: (print) Sampler's Signatur	Terry	D. H.	rmy ("15) Kland (18e) Tamille	1) UST) moval)	Consu Addres Contac Phone Fax: Client: Addres				D, 10 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				8				EDF Required
	η	JRN AROUND T	IME							ANA	LYSIS					***********	
RUSH  Nee	24 Hour  A Quet	48 Hour	5-day Rush	Standard (10 days)	TPHCE	TPH Diesel	В	1	E	人							COMMENTS
Sample ID.	Date	Time	# Containers	Matrix													
NW#1	11-28-6	12: soff	, /	Sindy Soil	X	×											
@12'695	11-1-1	4'00 PM		7													
7	77 180	7,000		<u> </u>													
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Relinquished By:	ug D. /6	milta	11- <b>02</b> -10	Time: 1884	Receive	Я ву: <b>М</b> ОТ		ta	mi	for	Date: 7/-0	2-10	Tim/	:0:db	ARA)	SPECL	AL INSTRUCTIONS:
Relinquished By:  Relinquished By:  Relinquished By:  Relinquished By:  Date:  Time:  Time:  11-2-10 1:45					Received By:				-	Date: Time: 13:45				15			
Relinquished By: Date: Time:					Received Sy:				Date: · Time:								

### **Argon Laboratories Sample Receipt Checklist**

Client Name:	Terry Hamilton			, <u></u>		_		Date	& Time R	eceived:		1/02/10		13:45
Project Name:	The Salvation A	rmy						Clien	t Project	Number:		20100	28 C.C	).l
Received By:	I.C.			Mat	rix:	Water		Soil	<b>J</b>		Slud	ge		
Sample Carrier:	Client 🗹	Lab	oratory		Fed Ex		UPS		Other					
Argon Labs Project	t Number:	<u>K01</u>	1004											
Shipper Container in	good condition?					Sample	s received	in prope	er containe	ers?	Yes	V	No	
	N/A	Yes	V	No		Sample	s received	intact?			Yes	V	No	
Samples received un	der refrigeration?	Yes	v	No		Sufficie	nt sample	volume	for reques	ted tests?	Yes	V	No	
Chain of custody pres	sent?	Yes	V	No		Sample	s received	l within h	olding tim	e?	Yes	7	No	
Chain of Custody sig	ned by all parties?	Yes	7	No		Do sam	ples conta	ain prope	er preserva N/A	itive?	Yes		No	
Chain of Custody ma	itches all sample la	bels?				Do VOA	vials conta	in zero he	eadspace?					
		Yes	7	No				(None s	ubmitted	☑)	Yes		No	
	ANY "	lo" Ri	ESPONSI	E MUST	BE DETA	AILED IN	THE COM	MENTS	SECTION	N BELOW	i			
Date Client Contac	sted:			_	Pe	rson Co	ntacted:							
Contacted By:		<del>-</del>			Subject	:								
Comments:				-										
														:
Action Taken:														
			,	DDITIO	NAL TES	T(S) REC	QUEST / C	THER						
Contacted By:			··········		·•	Da	ite:				Time	):		<del></del>
Call Received By:				• •	_									
Comments:														
	·····													

@FGOM laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

**Terry Hamilton** 

1502 WestBrook Ct.

Modesto, CA 95358

Project Number: 2010028 C.O.I

Project Name: The Salvation Army

Project Manager: Terry Hamilton

Work Order No.:

K011004

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID		Laboratory ID	Matrix	Date Sampled	Date Received
NW#1 @ 12' bgs	,	K011004-01	Soil	11/01/10 16:00	11/02/10 13:45

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton

1502 WestBrook Ct. Modesto, CA 95358 Project Number: 2010028 C.O.I

Project Name: The Salvation Army

Work Order No.:

K011004

Project Manager: Terry Hamilton Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
NW#1 @ 12' bgs (K011004-01) Soil	Sampled: 01-Nov-1	10 16:00 F	Received:	02-Nov-10 13:45			R-05
Diesel	ND	10	mg/kg	2	02-Nov-10	EPA 8015Mod	
Surr. Rec.:	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111%			n	n	•

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton

1502 WestBrook Ct. Modesto, CA 95358 Project Number: 2010028 C.O.I

Project Name: The Salvation Army

K011004 Project Manager: Terry Hamilton

Work Order No.:

### TPH-gas/BTX&E EPA Method 8015M / 8021B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
NW#1 @ 12' bgs (K011004-01) Soil	Sampled: 01-Nov-	10 16:00 R	eceived:	02-Nov-10 13:45			
Total Petroleum Hydrocarbons @ Gasoline	. 47	10	mg/kg	10	02-Nov-10	8015M / 8021B	
Benzene	ND	0.050	Ħ	\$1	0	n	
Toluene	0.091	0.050	u	n	11	11	
Xylenes (total)	1.0	0.10	n	st	ti	η	
Ethylbenzene	0.47	0.050	u	li .	n	If	
Surr. Rec.:		92 %			ıł	u	

@FSOM | laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton

1502 WestBrook Ct. Modesto, CA 95358 Project Number: 2010028 C.O.I

Project Name: The Salvation Army

Work Order No.:

Project Manager: Terry Hamilton

K011004

### Total Petroleum Hydrocarbons @ Diesel - Quality Control

### **Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch K001644 - EPA 3550B	<u></u>									
Blank (K001644-BLK1)				Prepared	& Analyze	ed: 11/02/	10		·	
Surrogate: p-Terphenyl	8.00		mg/kg	10		80	70-130			
Diesel	ND	5.0	ø							
LCS (K001644-BS1)				Prepared	& Analyzo	d: 11/02/	10			
Diesel	182		mg/kg	200		91	80-120			
LCS Dup (K001644-BSD1)				Prepared .	& Analyze	ed: 11/02/	10			
Diesel	187		mg/kg	200		94	80-120	3	20	

@F300 laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton

1502 WestBrook Ct. Modesto, CA 95358 Project Number: 2010028 C.O.I

Project Name: The Salvation Army

Work Order No.:

K011004

### Project Manager: Terry Hamilton TPH-gas /BTX&E EPA Method 8015M / 8021B - Quality Control

### **Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch K001643 - EPA 5030B										<u></u> _
Blank (K001643-BLK1)				Prepared	& Analyze	d: 11/02/	10			
Surrogate: a,a,a-Trifluorotoluene	0.0490	The second of th	mg/kg	0.050		98	70-130	·		
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	•							
Benzene	ND	0.005	u							
Toluene	ND	0.005	11							
Xylenes (total)	ND	0.010	**							
Ethylbenzene	ND	0.005	u							
LCS (K001643-BS1)				Prepared o	& Analyze	d: 11/02/	10			
Total Petroleum Hydrocarbons @ Gasoline	0.960		mg/kg	1.0		96	80-120			
LCS Dup (K001643-B\$D1)				Prepared o	& Analyze	d: 11/02/1	10			
Total Petroleum Hydrocarbons @ Gasoline	0.903		mg/kg	1.0		90	80-120	6	20	

ETSION | Idooratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton 1502 WestBrook Ct. Modesto, CA 95358 Project Number: 2010028 C.O.I Project Name: The Salvation Army Project Manager: Terry Hamilton

Work Order No.: K011004

**Notes and Definitions** 

R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

## OAKLAND FIRE DEPARTMENT/FIRE PREVENTION BUREAU HAZARDOUS MATERIALS UNIT

250 FRANK H. OGAWA PLAZA, SUITE 3341, OAKLAND, CA 94612-2032 • (510) 238-3927

### **HAZARDOUS MATERIALS INSPECTION REPORT**

Site Number Facility Name	Facility Address Zip Cod
Salvation Army 6	or webster Of
Inspector	REPOR
PERMISSION TO INS	SPECT GRANTED
UST Kemoval	
Terry Hamilton 209	Hay 7700
1CF 7 NOW 11FOR ZOI	
Current activity: Fuel	was Bemoved Oct 15
Current activity: Fuel Via Hazwaste Marinted	
Today Both Tank Process of Tripple	will be fare in the
process of Tripple	Kerasing
Rivate to be how	55 1207
approved drums	WECH THAT I DO !
George Lowie Inc. is	the Hauler
8	4
	•
Facility Contact/Print Name:	Inspected By: AFM Griffin 238-775
Racility Contact/Signature:	Insp. Skillern 238-725
	238-3927 238-392
Jery D. Hamilton	Date: //-9-10

### Edgar Environmental, Inc.

Analytical, Consulting, and N.F.P.A. Certified Marine Chemists & 686
Mailing Address: PO Box 730, Morgan Hill, Ca 95038 T.I.N. 272815151

Phone (510) 909-3455
e-mail: icedga:57@yghoo.com

### **Tank Cleanliness Certificate**

Date: 19 NOV 2010	Time: 1600
Site I	<u>Information</u>
Requested by: TEEFY D. INAMICTOR	Tank Owner: ME SALIATION ACM

1502 WOSTBERORE CT.
MEDESTO CA 95358 Site Address: WOI WEBSTERST
209-404-7700 OAKLAND, CA 94607

**Tank Interior Atmosphere Readings** 

			Test Results			
·—·	Concentrat	ion of Flamm	able Vapor	Conce	ntration of O	xygen
Tank ID#	Upper	Middle	Lower	Upper	Middle	Lower
(1) 8000 DAL	D	0	Ü	20.8	20.8	20.8
2) 10,000 650	D	0	0	20.8	20.8	20.8
						<del> </del>
			<del> </del>			

These tanks have been cleaned and are free of any visible product residue as per title 22.

John C. Edgar

## WEST COAST EQUIPMEN>

P.O. Box 2368
Turlock, CA 95381
General Contractors Lic.#391848

#### UST DISPOSAL OR REUSE CERTIFICATION

This is to certify that the former underground storage tanks received on November 23, 2010, from The Salvation Army, located at 601Webster Street, Oakland, CA 94607, listed below, have been recycled and/or refurbished for reuse as non-hazardous storage tanks.

Common examples of such reuses are, among other things, non-potable water storage for fire suppression where fire hydrants do not exist, flushing and dust control systems. Prior to transporting, the tanks were "triple rinsed" and a "Tank Cleanliness Certificate" was issued by John C. Edgar, Certified Marine Chemists #686, of Edgar Environmental, Inc., P.O. Box 730, Morgan Hill, CA 95308.

A true and correct copy of the Tank Cleanliness Certificate is appended hereto.

#### Tank Description:

- (1) 8,000 gallon capacity fiberglass coated double-wall steel tank.
- (1) 10,000 gallon capacity fiberglass coated double-wall steel tank.

WEST COAST EQUIPMENT

Dolores Baptista, Controller

Dolores Baptista, Controllei

PAGE Ø1

1		"						For	n Apgroved. O	MB No. 205	:0-D03S
↑ UN FO	RI HAZARDOUS	ned for use on elite (12- 1. Generalor ID Number	002655792	2. 8 00 1 0i	3. Emayoyay 89599	65-072		Tracking N	umber	l FI	E
5. Q qu	raise & Name and Maille (740-	209) 60	ALVATION AR 11 WEBSTER : 8Kland, CALIF	ST.		01 WE	BSTER: d, CALIF	st. 5T. , 948	07		
	ore Prone: popler ( Company Nen	Bul	IDog Oil of Ca	ilifornia, L	LC #	5711			033867	3	
7. Trons	ponor 2 Company Nan	18					U.S. EPA ID				
10 Parks	rator Facility Name as FILBANK	West Address /L 770	4ms 1630 W-1	771137	· v		V.S. EPĀ (D	-	<del>28489</del> 01	<b>Q</b>	
Fallitys	FIBANK,	CA 9536	7 (2) हेर्नी	863-8		3553	1 4	460	00/91	0 <u>8/6</u>	5
ga, HM	and Packing Group (if:	eny))	ng Name , Hazard Class. ID Nu		10. Con No.	tainers Type	11. Total Quantity	12. Unil WI./Vol.	10.11	iste Codes	
GENERATOR	TOM	V-RCHA Hazi (Oily v	ard <mark>ous W</mark> aste vater)	, Cidnia	001	TT	750	G	221		n
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14. Spe	cial Headling Instruction	oliametri isnotiloba bne en	<del></del>				<u> </u>				
nso Ex	NERATOR'S/OFFERO	rdod, and sie in all respect contents of this consignmen	wear Gi meby decipre that the contents is proper condition for transport it conform to the forms of the a ad in 40 CFR 282.27(a) fit am	of this consignment a on according to applica Illached EPA Acknowld	ible international and i demant of Consent.	dascribed abov	umblefugor is Inem	hipping nam a. Il export e	e, and are classic nighted tham the major	led, packaged the Passery	ō.
General	or d'Offeror's Printed/Ty	ped Nama	topitto	Sign	In the	· \( \sigma \)	Ha	mil	Morth	1221	10
<del> </del>	neddnet Shipmenta otter signature (for expo			Expart from U		entry/exil: eving U.S.:	7				
17, Tean		nt of Receipt of Materials	1, 7.	Sign	Mure Ala	H			Month	Day 71	You
Transpor	rier 2 Printed/Typad Na	the		Sign	aluk Correction				Monia	Day	Year
18, Disc 18a, Disc	repancy Indication Spi crepancy Indication Spi	ace Quantity	☐ Typ	0	Residue	<del>- ••••</del>	Parilai Re	jection	C	Full Rejection	H)
18b, Aller	mate Pacially (or Ganer	olor)	-		Münifest Referen	ca Number:	U.S. EPA ID	Number			
Fecility a 18c, Sign	Phone: siure of Alternate Faci	ity (or Generalor)			· · · · · · · · · · · · · · · · · · ·		<u></u>	··	Morath	Day	Yenr
18b. Alen 18c. Sign 18c. Sign 19c. Sign 19. Hezan 1.	idous Wesle Report Mi	magement Method Codes (	le., codes for hazardous wast	o trentment, disposat, p	and recycling systems)		4.	·			, <u></u>
20. Dasig		i Operator: Certification of a	eceipt of hezendous melerials (			em 18a				***************************************	
I I NAME OF TAX	yped Name	1	Entr	Signs	fura				Month	Day	Year

### argon laboratories

06 December 2010

Terry Hamilton Terry Hamilton 1502 WestBrook Ct. Modesto, CA 95358

RE: The Salvation Army Project Data

Enclosed are the results for sample(s) received on 11/24/10 14:28 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Lab Manager

	ARGON LABORATORIES  3037 5 <sup>th</sup> Street																																				
Telephone: (209		30.		eet		;	٠	F	ax: (	205	7)58	1-9	282			TU	JR	N A		CH .ou						S 1 4 h	1			RE D		OR,	D X 5 da	١.		da <sup>·</sup>	L
Report To: Terry	14. 14	· · · · · · · · · · · · · · · · · · ·		ıll To		PVI	. u		براار					$\dagger$					_/	Anal	vsi	s R	2011	- 51					40	Tou		ther			omme		<i>)</i> 
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	***	<del></del>			<u>·</u> /-	741	, <del>,</del>		4	75	355	<u> </u>		1		Total Percoleum Oil & Grease (5520 E&F/B&F)			i	- 1			4	-													
	Tompany: 1502 Westhauck Court  Mulisto, C4 95358															& F.M					1		30xx	.	0.1					1				1		•	
Tele: 209-104	Tele: 209-104-7700 Fax: 209-577-3553												1			Total Permieum Hydoncarbons (418.1)	]					4		EPA 625 / 8270 / 8310								-					
Project #:			P	Project Name: Silvition Army								\$108+	1	55	14	-	1	-			$\times$	- 1	1270				İ	1			1	1					
Project Location:	Oakland	Jakking Of												- Se	ř		100	8021	1	֡֝֝֡֞֜֞֝֜֞֞֞֞֞֩֓֡֞֝֞֜֞֡֞֞֩֓֡֡֞֝֡֡֡		-	5/8			6											
Sampler Signature:	ire: Anger											380	1-	k   5	1		1	/75	Í	5/	$\leq$		4 62			8											
	SAMPLING MATRIX METHO												OD	Gas (602/8020	15	.   •8 	l py			BIEX UNLY (EPA 602 / 8020)	18	EFA 608 / 8080 PCB'S UNLY	EPA 624 / 8240/ 8260 / BTEX	1				Lead (7240/7421/239.1/6010)			Ì	}					•
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PileGumserth			1718			1				- -		$\top$	1	1-	11	- -	- -	-1-	7	- -	- -	1	11	-				ļ		-	+	-	-		***************************************		-
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### **Argon Laboratories Sample Receipt Checklist**

Client Name: Terry Hamilton  Project Name: Salvation Army									Date	& Time R	eceived:	1 <sup>-</sup>	1/24/10		14:28	
Project Name:								Clier	nt Project	Number:	•					
Received By:	MG				Mat	rix:	Water		Soil	V		Slud	ge			
Sample Carrier:	Client		Lab	oratory	<b>V</b>	Fed Ex		UPS		Other						
Argon Labs Project	Number:		K011	105 <u>4</u>												
Shipper Container in	good conditio	n?					Sample	es receive	d in prop	er containe	ers?	Yes	V	No		
	N/A	,	Yes	<b>y</b>	No		Sample	es receive	d intact?			Yes	V	No		
Samples received un	der refrigeration	on?	Yes	<b>✓</b>	No		Sufficie	ent sample	volume	for reques	ted tests?	Yes	<b>V</b>	No		
Chain of custody pres	sent?		Yes	V	No		Sample	es receive	d within I	holding tim	e?	Yes	7	No		
Chain of Custody sign	ned by all part	ties?	Yes	V	No		Do san	nples cont	ain prop	er preserva N/A	ative?	Yes		No		
Chain of Custody ma	tches all samp	ole lab	els?				Do VOA	vials conta	ain zero h	eadspace?						
			Yes	<b>V</b>	No		•		(None	submitted	②)	Yes		No		
	AN	IY "No	o" RE	SPONSI	E MUST	BE DETA	ILED IN	THE CO	MMENT	S SECTIO	N BELOW	ı				
Deta Olicat Ocata	. <b></b>															
Date Client Contac	tea:			<u>.</u>		Pe	rson Co	ontacted:								
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Action Taken:																
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Comments:																
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**Laboratories** 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton

1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA

Project Name: The Salvation Army

Project Manager: Terry Hamilton

Work Order No.:

K011054

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Diesel-North 14'	K011054-01	Soil	11/23/10 16:20	11/24/10 14:28
Diesel-South 14'	K011054-02	Soil	11/23/10 16:42	11/24/10 14:28
Prior-West 14'	K011054-03	Soil	11/23/10 16:30	11/24/10 14:28
Gas-East 14'	K011054-04	Soil	11/23/10 16:48	11/24/10 14:28
Gas-West 14'	K011054-05	Soil	11/23/10 17:01	11/24/10 14:28
Gas-Center-17'	K011054-06	Soil	11/23/10 17:35	11/24/10 14:28
BetweenTanks-14	K011054-07	Soil	11/23/10 17:06	11/24/10 14:28
Pile Comp South	K011054-08	Soil	11/23/10 17:18	11/24/10 14:28
Pile Comp North	K011054-09	Soil	11/23/10 17:20	11/24/10 14:28
Spoils in Pit	K011054-10	Soil	11/23/10 17:45	11/24/10 14:28

Terry Hamilton 1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA

Project Name: The Salvation Army Project Manager:Terry Hamilton Work Order No.:

K011054

### **Total Metals**

		Reporting					
Analyte	Result	Limit	Units	Dilution	Analyzed	Method	Notes
Diesel-South 14' (K011054-02) Soil	Sampled: 23-Nov-10 16:42	Received: 2	24-Nov-10	14:28			
Lead	7.9	1.0	mg/kg	1	29-Nov-10	EPA 6010B	

Terry Hamilton 1502 WestBrook Ct. Modesto, CA 95358

Project Number: Oakland, CA
Project Name: The Salvation Army
Project Manager: Terry Hamilton

Work Order No.: K011054

### Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
					7 Mary 200		110103
Diesel-North 14' (K011054-01) Soil	Sampled: 23-Nov-10 16:20	Received:	24-Nov-10	14:28			
Diesel	ND	75	mg/kg	15	26-Dec-10	EPA 8015Mod	
Surr. Rec.:		75 %			n	"	
Diesel-South 14' (K011054-02) Soil	Sampled: 23-Nov-10 16:42	Received:	24-Nov-10	14:28			S-01
Diesel	ND	150	mg/kg	30	26-Dec-10	EPA 8015Mod	
Prior-West 14' (K011054-03) Soil	Sampled: 23-Nov-10 16:30	Received: 24	4-Nov-10 1	4:28			S-01
Diesel	ND	150	mg/kg	30	26-Dec-10	EPA 8015Mod	
Gas-East 14' (K011054-04) Soil Sa	mpled: 23-Nov-10 16:48 R	eceived: 24-I	Nov-10 14:	28			
Diesel	ND	15	mg/kg	3	26-Dec-10	EPA 8015Mod	
Surr. Rec.:		94 %			"	,,	
Gas-West 14' (K011054-05) Soil S	ampled: 23-Nov-10 17:01 R	eceived: 24-	Nov-10 14	:28			S-01
Diesel	ND	150	mg/kg	30	26-Dec-10	EPA 8015Mod	
Gas-Center-17' (K011054-06) Soil	Sampled: 23-Nov-10 17:35	Received: 2	4-Nov-10	14:28			S-01
Diesel	ND	150	mg/kg	30	26-Dec-10	EPA 8015Mod	
BetweenTanks-14 (K011054-07) Soi	l Sampled: 23-Nov-10 17:0	6 Received	: 24-Nov-1	0 14:28			
Diesel	ND	15	mg/kg	3	26-Dec-10	EPA 8015Mod	
Surr. Rec.:		83 %			"	n	
Pile Comp South (K011054-08) Soil	Sampled: 23-Nov-10 17:18	Received:	24-Nov-10	14:28			
Diesel	ND	5.0	mg/kg	1	26-Dec-10	EPA 8015Mod	
Surr. Rec.:		87 %			"	n	

Terry Hamilton

1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA

Project Name: The Salvation Army

Project Manager: Terry Hamilton

Work Order No.:

K011054

### Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
Pile Comp North (K011054-09) Soil	Sampled: 23-Nov-10 17:20	Received:	24-Nov-10	14:28			
Diesel	ND	5.0	mg/kg	1	26-Dec-10	EPA 8015Mod	
Surr. Rec.:		86 %			"	"	
Spoils in Pit (K011054-10) Soil Sai	npled: 23-Nov-10 17:45 Re	ceived: 24-N	ov-10 14:2	28			
Diesel	ND	15	mg/kg	3	26-Dec-10	EPA 8015Mod	
Surr. Rec.:		79 %			n	"	

# **ENGINE AND LABORATORIES** 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton 1502 WestBrook Ct. Modesto, CA 95358

Project Number: Oakland, CA
Project Name: The Salvation Army
Project Manager: Terry Hamilton

Work Order No.: K011054

### Total Petroleum Hydrocarbons @ Gasoline

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
L Diesel-North 14' (K011054-01) Soil	Sampled: 23-Nov-10 16:20	Received:	24-Nov-10	14:28			
Total Petroleum Hydrocarbons @ Gasoline	1800	200	mg/kg	200	02-Dec-10	8015M	
Surr. Rec.:		100 %		***************************************	"	"	
Diesel-South 14' (K011054-02) Soil	Sampled: 23-Nov-10 16:42	Received:	24-Nov-10	14:28			
Total Petroleum Hydrocarbons @ Gasoline	2800	400	mg/kg	400	02-Dec-10	8015M	
Surr. Rec.:		103 %			"	n	
Prior-West 14' (K011054-03) Soil	Sampled: 23-Nov-10 16:30	Received: 24	I-Nov-10 1	4:28			
Total Petroleum Hydrocarbons @ Gasoline	2400	400	mg/kg	400	02-Dec-10	8015M	
Surr. Rec.:		98 %			"	"	
Gas-East 14' (K011054-04) Soil Sa	mpled: 23-Nov-10 16:48 Re	ceived: 24-N	Nov-10 14:	28			
Total Petroleum Hydrocarbons @ Gasoline	160	40	mg/kg	40	02-Dec-10	8015M	
Surr. Rec.:		102 %			"	"	
Gas-West 14' (K011054-05) Soil Sa	ampled: 23-Nov-10 17:01 Re	eceived: 24-	Nov-10 14	:28			
Total Petroleum Hydrocarbons @ Gasoline	410	100	mg/kg	100	02-Dec-10	8015M	
Surr. Rec.:		106 %			"	"	
Gas-Center-17' (K011054-06) Soil	Sampled: 23-Nov-10 17:35	Received: 2	4-Nov-10	14:28			
Total Petroleum Hydrocarbons @ Gasoline	17000	4000	mg/kg	4000	02-Dec-10	8015M	
Surr. Rec.:		101 %			n	"	
BetweenTanks-14 (K011054-07) Soil	Sampled: 23-Nov-10 17:00	6 Received	: 24-Nov-1	0 14:28			
Total Petroleum Hydrocarbons @ Gasoline	90	10	mg/kg	10	02-Dec-10	8015M	
Surr. Rec.:		102 %			11	"	

Approved By

Terry Hamilton 1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA
Project Name: The Salvation Army

Project Manager: Terry Hamilton

Work Order No.: K011054

### Total Petroleum Hydrocarbons @ Gasoline

	.,,				***************************************		
Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
Pile Comp South (K011054-08) Soil	Sampled: 23-Nov-10 17:18	Received:	24-Nov-10	0 14:28			
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	02-Dec-10	8015M	
Surr. Rec.:		90 %			"	"	
Pile Comp North (K011054-09) Soil	Sampled: 23-Nov-10 17:20	Received:	24-Nov-1	0 14:28			S-04
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	02-Dec-10	8015M	
Surr. Rec.:	. 10	13 %			"	"	
Spoils in Pit (K011054-10) Soil San	npled: 23-Nov-10 17:45 Rec	eived: 24-N	ov-10 14:2	28			
Total Petroleum Hydrocarbons @ Gasoline	210	40	mg/kg	40	02-Dec-10	8015M	
Surr. Rec.:		102 %			"	n	

# **ENGINE AND LABORATORIES** 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton 1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA
Project Name: The Salvation Army
Project Manager: Terry Hamilton

Work Order No.: K011054

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
Diesel-North 14' (K011054-01) Soil	Sampled: 23-Nov-10 16:20	Received: 2	24-Nov-10	14:28			
Benzene	4.2	2.0	mg/kg	400	02-Dec-10	8260B	
Toluene	4.4	2.0	•	ti.	u u	"	
Xylenes, total	190	4.0	"		u u	*	
Ethylbenzene	52	2.0	"		n .	"	
t-Butanol	ND	20	**	•	u	"	
Methyl tert-Butyl Ether	ND	2.0	,,	•	u u	"	
Di-Isopropyl Ether	ND	2.0	*	tt	u	"	
Ethyl tert-Butyl Ether	ND	2.0	"	Й	ti .	n	
tert-Amyl Methyl Ether	ND	2.0		u	n	**	
1,2-Dichloroethane	ND	2.0	**	н	н	**	
1,2-Dibromoethane (EDB)	ND	2.0	n	Ħ	**	**	
Surr. Rec.:		114 %			"	"	
Diesel-South 14' (K011054-02) Soil	Sampled: 23-Nov-10 16:42	Received: 2	24-Nov-10	14:28			
Benzene	2.2	2.0	mg/kg	400	02-Dec-10	8260B	
Toluene	17	2.0	"	**	"	"	
Xylenes, total	270	4.0	**	**	"	n	
Ethylbenzene	71	2.0	**	11	"	н	
t-Butanol	ND	20	*	**	"	н	
Methyl tert-Butyl Ether	ND	2.0	**	*	"	n	
Di-Isopropyl Ether	ND	2.0	**	**	11	н	
Ethyl tert-Butyl Ether	ND	2.0	**	**	19	н	
tert-Amyl Methyl Ether	ND	2.0	**	**	11	н	
1,2-Dichloroethane	ND	2.0	**	**	11	н	
1,2-Dibromoethane (EDB)	ND	2.0	**	**	,,	#	

Surr. Rec.:

121 %

Approved By

Terry Hamilton

1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA

Project Name: The Salvation Army

Project Manager:Terry Hamilton

Work Order No.:

K011054

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
Prior-West 14' (K011054-03) Soil	Sampled: 23-Nov-10 16:30	Received: 24	-Nov-10 1	4:28			
Benzene	ND	2.0	mg/kg	400	02-Dec-10	8260B	
Toluene	4.3	2.0	*	n	n	"	
Xylenes, total	190	4.0	*	n	· ·	"	
Ethylbenzene	77	2.0	*	n	W .	"	
t-Butanol	ND	20	*	m .	n	"	
Methyl tert-Butyl Ether	ND	2.0	н	н	H	**	
Di-Isopropyl Ether	ND	2.0	n	Ħ	н	*	
Ethyl tert-Butyl Ether	ND	2.0	11	Ħ	Ħ	**	
tert-Amyl Methyl Ether	ND	2.0	**	Ħ	н	11	
1,2-Dichloroethane	ND	2.0	**	**	Ħ	17	
1,2-Dibromoethane (EDB)	ND	2.0	**		Ħ	**	
Surr. Rec.:		122 %			n	"	
Gas-East 14' (K011054-04) Soil S	Sampled: 23-Nov-10 16:48 R	Received: 24-N	lov-10 14:	28			
Benzene	ND	0.16	mg/kg	32	02-Dec-10	8260B	
Toluene	ND	0.16	**	**	п	**	
Xylenes, total	4.4	0.32	11	11	Ħ	**	
Ethylbenzene	2.8	0.16	"	**	N	**	
t-Butanol	ND	1.6	**	17	#	11	
Methyl tert-Butyl Ether	ND	0.16	**	11	п	**	
Di-Isopropyl Ether	ND	0.16	**	"	#	#	
Ethyl tert-Butyl Ether	ND	0.16	**	**	*	**	
tert-Amyl Methyl Ether	ND	0.16	"	n	#	11	
1,2-Dichloroethane	ND	0.16	11	#	n	**	
1,2-Dibromoethane (EDB)	ND	0.16	**		,	er.	

Surr. Rec.:

114%

Approved By

Terry Hamilton

1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA

Project Name: The Salvation Army

Project Manager: Terry Hamilton

Work Order No.:

K011054

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution		Analyzed	Method	Notes
Gas-West 14' (K011054-05) Soil				:28				·
Benzene	0.71	0.40	mg/kg	80		02-Dec-10	8260B	
Toluene	2.6	0.40	"	**		**	n	
Xylenes, total	36	0.80	**	17		**		
Ethylbenzene	11	0.40	**	**		**	rr .	
t-Butanol	ND	4.0	**	**		17	**	
Methyl tert-Butyl Ether	ND	0.40	11	H .		11	н	
Di-Isopropyl Ether	ND	0.40	11	H		**	"	
Ethyl tert-Butyl Ether	ND	0.40	11	"		11	n	
tert-Amyl Methyl Ether	ND	0.40	**	*		#	n	
1,2-Dichloroethane	ND	0.40	10	**		**	н	
1,2-Dibromoethane (EDB)	ND	0.40	***	87		Ħ	Ħ	
Surr. Rec.:		113 %		****	,	"	"	
Gas-Center-17' (K011054-06) So	il Sampled: 23-Nov-10 17:3	5 Received: 2	4-Nov-10	14:28				
Benzene	300	16	mg/kg	3200		02-Dec-10	8260B	
Toluene	1200	16		Ħ		"	n	
Xylenes, total	1700	32	**	**		"	н	
Ethylbenzene	320	16		**		•	n	
t-Butanol	ND	160	· ·	**		"	н	
Methyl tert-Butyl Ether	ND	16	**	*		**	"	
Di-Isopropyl Ether	ND	16	11	T†		**	n	
Ethyl tert-Butyl Ether	ND	16	11	47		**	н	
tert-Amyl Methyl Ether	ND	16	11	17		**	n	
1,2-Dichloroethane	ND	16	**	**		#	n	
1,2-Dibromoethane (EDB)	ND	16	**	44		"	"	
Surr. Rec.:		116%				"	W	

Approved By

Terry Hamilton

1502 WestBrook Ct. Modesto, CA 95358 Project Number: Oakland, CA Project Name: The Salvation Army Project Manager: Terry Hamilton

Work Order No.: K011054

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BetweenTanks-14 (K011054-07) Soil	Sampled: 23-Nov-10 17:06	Received	: 24-Nov-1	0 14:28	 		
Benzene	ND	0.050	mg/kg	10	02-Dec-10	8260B	
Toluene	0.063	0.050		"	Ħ	Ħ	
Xylenes, total	2.4	0.10	"	"	"	н	
Ethylbenzene	1.6	0.050	n	"	"	**	
t-Butanol	ND	0.50		"	"	**	
Methyl tert-Butyl Ether	ND	0.050	*	**	"	n	
Di-Isopropyl Ether	ND	0.050	19	11	"	*	
Ethyl tert-Butyl Ether	ND	0.050	11	u .	11	*	
tert-Amyl Methyl Ether	ND	0.050	10	**	н	n	
1,2-Dichloroethane	ND	0.050	11	P	n	n	
1,2-Dibromoethane (EDB)	ND	0.050	11	n	Ħ	**	
Surr. Rec.:		122 %		and April 19	 n	"	
Pile Comp South (K011054-08) Soil	Sampled: 23-Nov-10 17:18	Received:	24-Nov-10	14:28			
Benzene	ND	0.005	mg/kg	1	02-Dec-10	8260B	
Toluene	ND	0.005	"	n	**	**	
Xylenes, total	ND	0.010	**	n	**	11	
Ethylbenzene	ND	0.005	**	**	"	"	
t-Butanol	ND	0.050	**	"	**	**	
Methyl tert-Butyl Ether	ND	0.005	11	rr ·	*	**	
Di-Isopropyl Ether	ND	0.005	#	и	n	**	
Ethyl tert-Butyl Ether	ND	0.005	"	"	n	**	
tert-Amyl Methyl Ether	ND	0.005	**	n	**	11	
1,2-Dichloroethane	ND	0.005	u	n	n	n	
1,2-Dibromoethane (EDB)	ND	0.005	**	n	 "	"	
	<del></del>	1140/			 "	"	

Surr. Rec.:

114%

Approved By

### 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Terry Hamilton
1502 WestBrook Ct.

Modesto, CA 95358

Project Number: Oakland, CA
Project Name: The Salvation Army
Project Manager: Terry Hamilton

Work Order No.: K011054

Volatile Organic Compounds by EPA Method 8260B

		Reporting					
Analyte	Result	Limit	Units	Dilution	Analyzed	Method	Notes
Pile Comp North (K011054-09) Soil	Sampled: 23-Nov-10 17:20	Received:	24-Nov-10	14:28			
Benzene	ND	0.005	mg/kg	1	02-Dec-10	8260B	
Toluene	ND	0.005	**	n	M	"	
Xylenes, total	ND	0.010		н	Ħ	10	
Ethylbenzene	ND	0.005	•	н	н	11	
t-Butanol	ND	0.050	•	*	н	**	
Methyl tert-Butyl Ether	ND	0.005		н	**	11	
Di-Isopropyl Ether	ND	0.005	•	*	tr .	#	
Ethyl tert-Butyl Ether	ND	0.005	**	#	"	*	
tert-Amyl Methyl Ether	ND	0.005	HT .	**	"	n	
1,2-Dichloroethane	ND	0.005	**	*	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	**	,,	"	H	
Surr. Rec.:	and the constitution of th	114%			"	"	
Spoils in Pit (K011054-10) Soil San	npled: 23-Nov-10 17:45 Rec	eived: 24-N	ov-10 14:2	8			
Benzene	ND	0.20	mg/kg	40	02-Dec-10	8260B	
Toluene	ND	0.20	н		"	"	
Xylenes, total	7.8	0.40	"	W	"	н	
Ethylbenzene	1.9	0.20	n	R .	"	**	
t-Butanol	ND	2.0	**	**	"		
Methyl tert-Butyl Ether	ND	0.20	**	**	**	Ħ	
Di-Isopropyl Ether	ND	0.20	**	п	n	11	
Ethyl tert-Butyl Ether	ND	0.20	#	n	n	**	
tert-Amyl Methyl Ether	ND	0.20	*	н	n	**	
1,2-Dichloroethane	ND	0.20	н	n	"		
1,2-Dibromoethane (EDB)	ND	0.20	,,	u.	"		

Surr. Rec.:

125 %

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### **Total Metals - Quality Control**

### **Argon Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch K001773 - EPA 3050B										
Blank (K001773-BLK1)				Prepared &	Analyzed:	11/29/10				
Lead	ND	1.0	mg/kg							
LCS (K001773-BS1)				Prepared &	Analyzed:	11/29/10				-
Lead	10.3		mg/kg	10		103	80-120			
LCS Dup (K001773-BSD1)				Prepared &	Analyzed:	11/29/10				
Lead	9.10		mg/kg	10		91	80-120	12	20	
Matrix Spike (K001773-MS1)	Sour	ce: K011054-	02	Prepared &	Analyzed:	11/29/10				
Lead	18.2		mg/kg	10	7.90	103	70-130			
Matrix Spike Dup (K001773-MSD1)	Sour	ce: K011054-	02	Prepared &	: Analyzed:	11/29/10				
Lead	18.9		mg/kg	10	7.90	110	70-130	4	20	

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K011054

### Total Petroleum Hydrocarbons @ Diesel - Quality Control

### **Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch K001786 - EPA 3550B										
Blank (K001786-BLK1)				Prepared:	11/26/10 A	nalyzed: 12	2/26/10	·		
Surrogate: p-Terphenyl	0.0890		mg/kg	0.10		89	70-130			
Diesel	ND	5.0	**							
LCS (K001786-BS1)				Prepared:	11/26/10 A	nalyzed: 12	2/26/10			
Diesel	207		mg/kg	200		104	80-120			
LCS Dup (K001786-BSD1)				Prepared:	11/26/10 A	nalyzed: 12	2/26/10			
Diesel	209		mg/kg	200		104	80-120	1	20	
Matrix Spike (K001786-MS1)	Sou	rce: K011054	-08	Prepared:	11/26/10 A	nalyzed: 12	2/26/10			
Diesel	190		mg/kg	200	ND	95	70-130		· ·	
Matrix Spike Dup (K001786-MSD1)	Sou	rce: K011054	-08	Prepared:	11/26/10 A	nalyzed: 12	2/26/10			
Diesel	190		mg/kg	200	ND	95	70-130	0	20	

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### Total Petroleum Hydrocarbons @ Gasoline - Quality Control

### **Argon Laboratories**

	Reporting			Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch K001785 - EPA 5030B										
Blank (K001785-BLK1)	Prepared & Analyzed: 12/02/10									
Surrogate: a,a,a-Trifluorotoluene	0.0455		mg/kg	0.050		91	70-130	•••		
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	"							
LCS (K001785-BS1)		Prepared & Analyzed: 12/02/10								
Total Petroleum Hydrocarbons @ Gasoline	0.98		mg/kg	1.0	——————————————————————————————————————	98	80-120			
LCS Dup (K001785-BSD1)				Prepared &	. Analyzed	: 12/02/10				
Total Petroleum Hydrocarbons @ Gasoline	0.99		mg/kg	1.0		99	80-120	1	20	
Matrix Spike (K001785-MS1)	Source: K011054-08			Prepared & Analyzed: 12/02/10						
Total Petroleum Hydrocarbons @ Gasoline	0,66		mg/kg	1.0	ND	66	70-130			QM-0
Matrix Spike Dup (K001785-MSD1)	Source: K011054-08		Prepared & Analyzed: 12/02/10							
Total Petroleum Hydrocarbons @ Gasoline	0.62		mg/kg	1.0	ND	62	70-130	6	20	QM-0

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### Volatile Organic Compounds by EPA Method 8260B - Quality Control

### **Argon Laboratories**

	Reporting			Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

### Batch K001787 - EPA 5030B

Blank (K001787-BLK1)	<b>01787-BLK1)</b> Prepared & Analyzed: 12/02/10									
Surrogate: Fluorobenzene	0.0585		mg/kg	0.050		117	70-130			
Benzene	ND	0.005	**							
Toluene	ND	0.005	*							
Xylenes, total	ND	0.010	**							
Ethylbenzene	ND	0.005	*							
t-Butanol	ND	0.050	*							
Methyl tert-Butyl Ether	ND	0.005	"							
Di-Isopropyl Ether	ND	0.005	"							
Ethyl tert-Butyl Ether	ND	0.005	**							
tert-Amyl Methyl Ether	ND	0.005	**							
1,2-Dichloroethane	ND	0.005	**							
1,2-Dibromoethane (EDB)	ND	0.005	*							
LCS (K001787-BS1)				Prepared &	Analyzed:	12/02/10				
Methyl tert-Butyl Ether	0.026		mg/kg	0.025		102	80-120			
LCS Dup (K001787-BSD1)				Prepared &	Analyzed:	12/02/10				
Methyl tert-Butyl Ether	0.023		mg/kg	0.025		90	80-120	12	20	
Matrix Spike (K001787-MS1)	Source: K011054-08		Prepared & Analyzed: 12/02/10							
Ethylbenzene	0.024		mg/kg	0.025	ND	98	70-130			
Matrix Spike Dup (K001787-MSD1)	p (K001787-MSD1) Source: K011054-08		-08	Prepared & Analyzed: 12/02/10						
Ethylbenzene	0.024		mg/kg	0.025	ND	98	70-130	0.4	20	

Approved By

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.

QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference