Parcel 51 – Teresa Whittington Property
1311 South Ridge Avenue

Kannapolis, Cabarrus County, North Carolina

TIP No. Y-4810K

WBS Element: 40325.1.46

May 15, 2020

Terracon Project No. 70197185



### Prepared for:

North Carolina Department of Transportation Raleigh, North Carolina

### Prepared by:

Terracon Consultants, Inc. Raleigh, North Carolina

terracon.com

lerracon

Environmental Facilities Geotechnical Materials



North Carolina Department of Transportation GeoEnvironmental Engineering Unit Century Center Complex Building B 1020 Birch Ridge Road Raleigh, North Carolina 27610

Attn: Mr. Ashley Cox

Telephone: (919) 707-6872 Email: abcox@ncdot.gov

Re: UST Closure Assessment Report

Parcel 51 – Teresa Wittington 1311 South Ridge Avenue

Kannapolis, Cabarrus County, North Carolina

**Terracon Project No. 70197185** 

Dear Mr. Cox:

Terracon Consultants, Inc. is pleased to submit this Underground Storage Tank (UST) Closure Report for the above referenced property. The attached report has been prepared in accordance with North Carolina Department of Environmental Quality, UST Section *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases,* dated March 1, 2007, revised February 1, 2019. If you have any questions regarding this report or the assessment activities, please contact us at (919) 873-2211.

Sincerely,

Terracon Consultants, Inc.

John W. Wells Field Geologist

John Waln

Donald R. Malone, PE, RSM Senior Engineer\Project Manager

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### A. SITE INFORMATION

Date of Report: May 15, 2020

NCDEQ Incident No: N/A Facility ID: N/A

Site Name: Parcel 51 – Teresa Wittington
Site Location: 1311 South Ridge Avenue

Kannapolis, North Carolina 28083

**UST Owner/Operator:** Unknown

Current Property Owner: Roxanne W. Reed

1311 South Ridge Avenue

Kannapolis, North Carolina 28083

**Consultant:** Terracon Consultants, Inc. (Terracon)

2401 Brentwood Road

Raleigh, North Carolina 27604

(919) 873-2211

Contact: Donald R. Malone, PE

Laboratory: REDLAB/QROS, LLC

5598 Marvin Moss Lane, MARBIONC Building

Wilmington, North Carolina 28409

844-384-7815

**Excavation Contractor:** CCI Environmental, Inc.

281 Lane Parkway Salisbury, NC 28146

704-273-1500

Contact: Keith Burch

Release Information: Release Discovery Date: Not Applicable

Estimated Quantity: Not Applicable Cause of Release: Not Applicable Source of Release: Not Applicable

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I, Donald R. Malone, a Licensed Engineer for Terracon Consultants, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge.

Donald R. Malone, PE, RSM NC License No. 20195

Terracon Consultants, Inc. is licensed to practice geology and engineering in North Carolina. The certification numbers of the corporation are C-367 and F-0869, respectively.

### B. SITE HISTORY AND CHARACTERIZATION

### **B.1 Site Description**

The site is located at 1311 South Ridge Avenue in Cabarrus County, North Carolina (**Exhibit 1**). According to the Cabarrus County GIS website, the site consists of one parcel totaling approximately 0.38 acres (Cabarrus County Parcel ID 56136273880000). The site currently consists of an active pet care and grooming facility, parking lot, and associated landscaping.

### **B.2 Site Background**

During a 2018 Preliminary Site Assessment (PSA) conducted by Terracon, two probable metallic USTs were identified on the parcel (Terracon, 2018). The probable USTs were observed as two differential anomalies, oriented northwest-southeast parallel to South Ridge Avenue. "UST-1" was identified as an approximate 7.5-foot by 5-foot geophysical anomaly at a depth of approximately 3 feet below land surface (bls). "UST-2" was identified as an approximate 12-foot by 5-foot geophysical anomaly at a depth of approximately 2.8 feet bls. The probable metallic USTs were identified in the front portion of the parcel, maintained as mowed grass and wooded land, and appeared to be situated end to end.

During the PSA, saturated soil was encountered within soil borings adjacent to the USTs at approximately 11 feet bls. One soil sample was collected from a soil boring advanced adjacent to the USTs and analyzed by REDLAB/QROS, LLC for analysis by Ultraviolet Fluorescence (UVF) for the following:

- TPH-gasoline range organics (C5-C10) (TPH-GRO):
- TPH-diesel range organics (C10-C35) (TPH-DRO);
- Total petroleum hydrocarbons (C5-C35) (TPH);
- Benzene, toluene, ethylbenzene, and xylenes (BTEX);

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- Total aromatics (C10-C35);
- 16 EPA Polycyclic Aromatic Hydrocarbons (16 EPA PAHs); and
- Benzo(a)pyrene (BaP).

The analytical results did not indicate evidence of petroleum impacts the UST system (Terracon, 2018). Details regarding the prior operation and ownership of the on-site UST system at the site are not known with certainty.

### C. UST REMOVAL ACTIVITIES

Terracon mobilized to the site on May 6, 2020 to conduct the permanent closure by removal of the UST system. Prior to the excavation activities, Terracon submitted a public utility locator request to the NC One Call (811) system. In addition, Terracon utilized ground penetrating radar (GPR) at the site to re-mark the location and extents of the UST basin and identify underground utility locations.

Terracon hired CCI Environmental, Inc. (CCI) to perform the UST removal activities. CCI removed the soil overlying the UST basin and stockpiled the material on the site. Terracon screened the soil with a photo-ionization detector (PID). PID field readings ranged from 1.0 ppm to 35.6 ppm. After the UST was uncovered and prior to UST removal, Terracon screened the vapors in the UST with a multi-gas meter to evaluate the combustible vapors within the tank.

The interior of the UST was observed to be dry. After inspection by the Kannapolis Fire Marshal, the UST was removed from the ground and taken off the site for disposal. A copy of the Transportation Manifest for the UST is provided in **Appendix B**. The UST measured 15.8-feet long by 8-feet wide (approximately 6,000 gallons). Visual evidence of corrosion and/or holes in the UST was not observed.

Immediately following removal of the UST, Terracon screened grab soil samples from within the excavation with a PID and PetroFlag Soil Analyzer System. PID and PetroFlag field readings ranged from 1.2 to 12.4 parts per million (ppm). Terracon collected six soil samples (SS-3 through SS-8) from the sidewalls of the excavation and two soil samples (SS-1 and SS-2) from directly beneath the UST. Terracon also screened grab soil samples from beneath an identified product line. The PID and PetroFlag field readings from these samples ranged from 31 ppm to 45 ppm. One soil sample (SS-7) was collected from beneath the product line. Sample locations are depicted on **Exhibit 2**. Soil samples were packed in ice and shipped via FedEx with chain-of-custody documentation to REDLAB/QROS, LLC for analysis of:

- TPH-gasoline range organics (C5-C10) (TPH-GRO);
- TPH-diesel range organics (C10-C35) (TPH-DRO);
- Total petroleum hydrocarbons (C5-C35) (TPH);
- Benzene, toluene, ethylbenzene, and xylenes (BTEX);

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- Total aromatics (C10-C35);
- 16 EPA Polycyclic Aromatic Hydrocarbons (16 EPA PAHs); and
- Benzo(a)pyrene (BaP).

A summary of analytical results for the samples is in **Table 1**. The laboratory analytical report is in **Appendix C**.

Based on the results of the field screening, Terracon instructed CCI that over excavation of soils was not required. The final extent of the UST excavation was approximately 22 feet long by 11 feet wide by 12 feet deep. Groundwater or bedrock were not encountered in the UST excavation. The approximate location and extents of the excavation are depicted on **Exhibit 2**. The excavation was backfilled with overburden soils and imported backfill.

### D. LABORATORY RESULTS

Concentrations of TPH-GRO and TPH-DRO were not identified above their respective NCDEQ Action Levels of 50 parts per million (ppm) and 100 ppm, respectively.

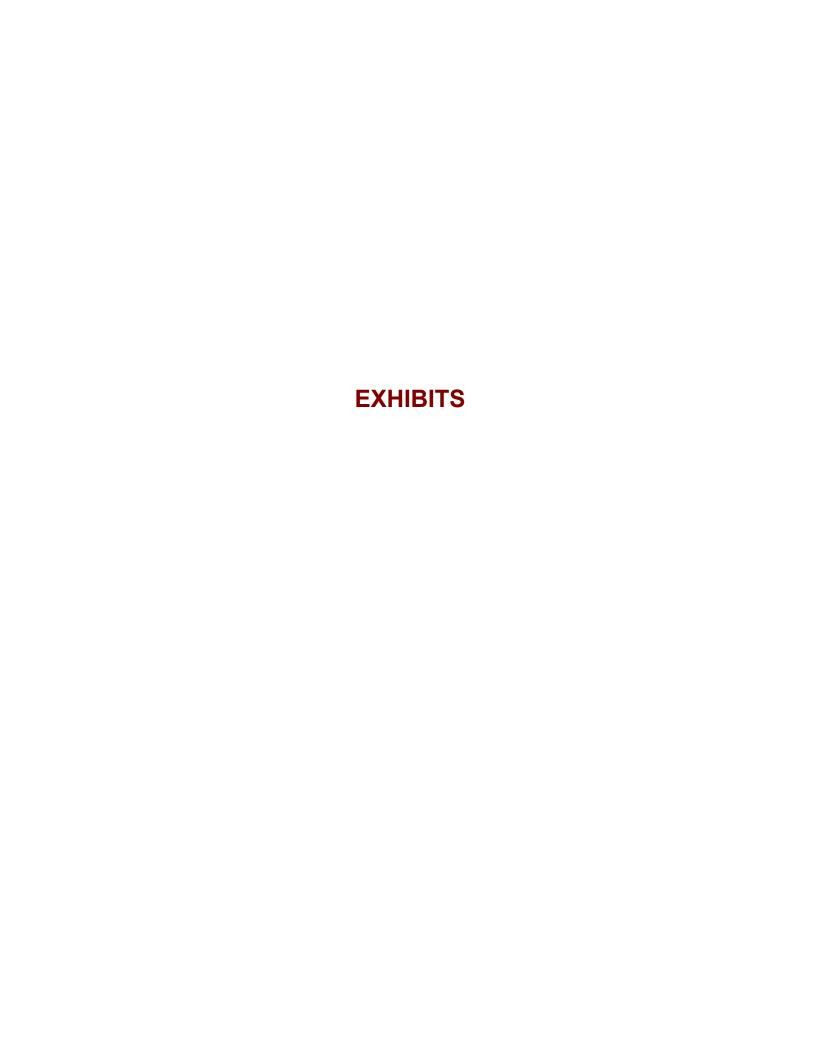
### E. CONCLUSIONS AND RECOMMENDATIONS

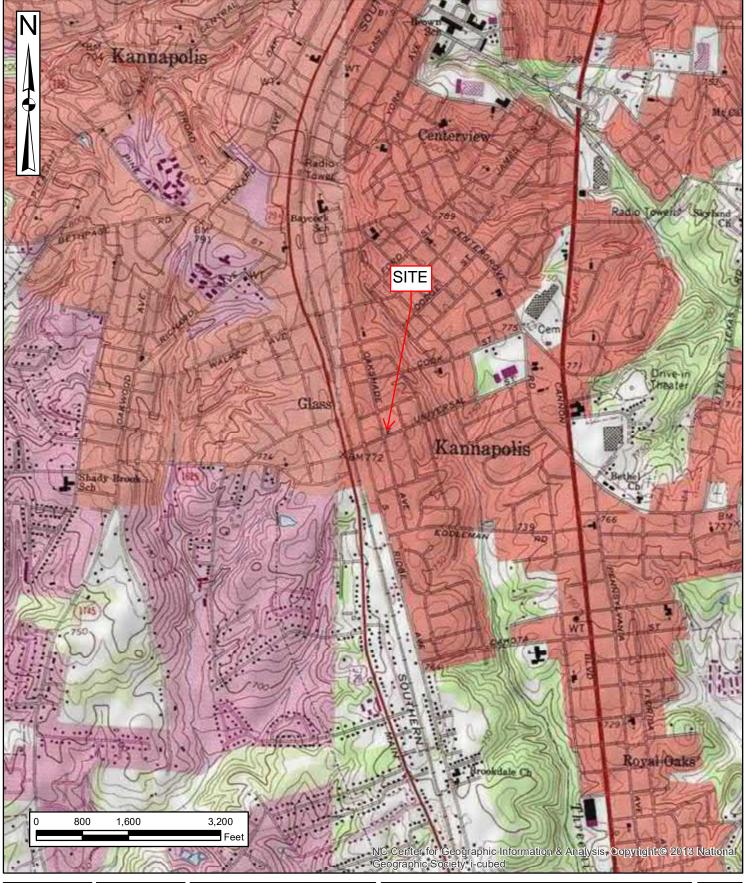
One approximate 6,000-gallon UST and the associated product line were removed from the site on May 6, 2020. The interior of the UST was observed to be dry. Based on field screening results, soil was not removed from the excavation nor disposed of off the site. Laboratory analyses of the soil samples collected following UST excavation activities did not identify concentrations of TPH-GRO or TPH-DRO above NCDEQ Action Levels.

Based on the results of the removal and sampling activities, a release does not appear to have occurred in association with the former on-site UST. As such, additional investigation or actions are not warranted at this time.

### F. REFERENCES

- NCDEQ, 2019. UST Section Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases. February 1.
- Terracon, 2018. Preliminary Site Assessment, Norfolk Southern Mainline Grade Crossing Separation at Rogers Road in Kannapolis, Parcel 51 – Teresa Whittington Property, 1311 S. Ridge Avenue, Kannapolis, North Carolina, Terracon Project No. 70187265, September 7.





PM: DRM
Drawn By: JWW
Checked By: DRM
Approved By: DRM

Project No. 70197185 Scale: 1 in = 1,667

Filename:
Topographic Vicinity Map
Date:
May 2020

### Terracon

2401 Brentwood Road, Suite 107 Raleigh, NC 27604 Phone: (919) 873-2211 Fax: (919) 873-9555

### **Topographic Vicinity Map**

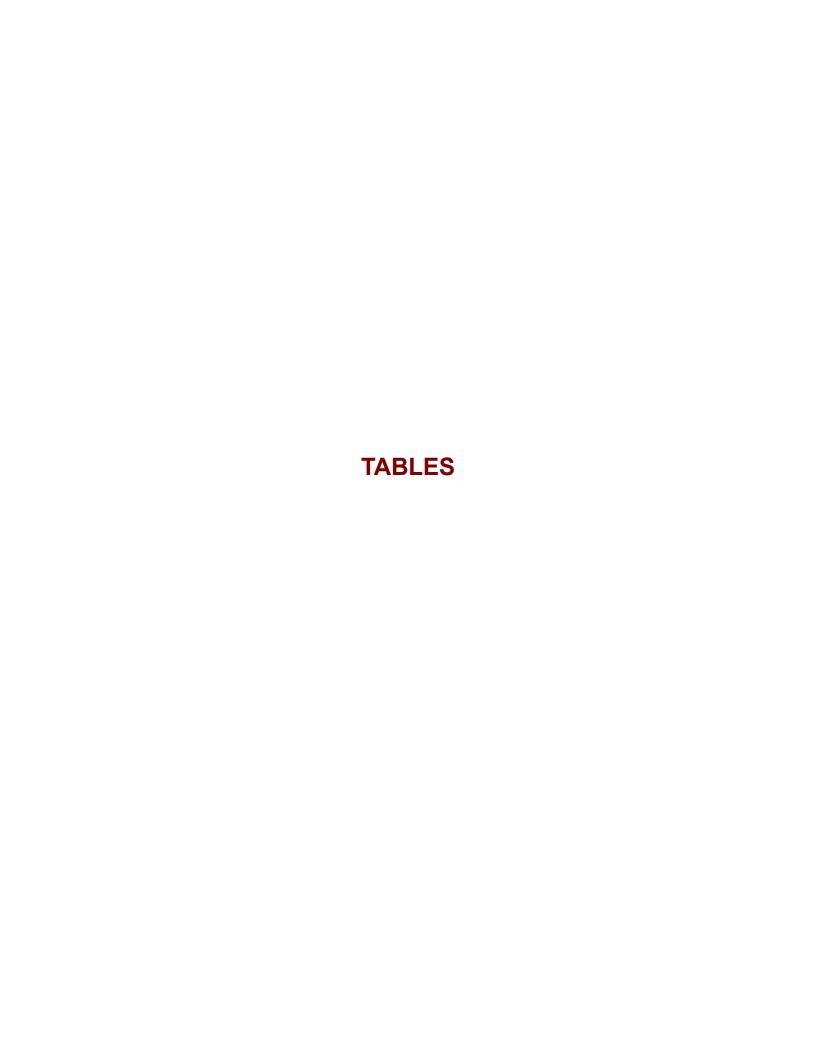
Underground Storage Tank Removal NCDOT - Kannapolis UST Removal (Y-4810K) 1311 South Ridge Avenue Kannapolis, Cabarrus County, North Carolina EXHIBIT NO.

1



SAMPLE LOCATION MAP Date:

1311 SOUTH RIDGE AVENUE
KANNAPOLIS, CABARRUS COUNTY, NORTH CAROLINA



### Table 1

### **Summary of Soil Analytical Results**

### NCDOT Project Y-4810K - Kannapolis UST Pull

### 1311 South Ridge Road, Kannapolis, Cabarrus County, North Carolina Terracon Project No. 70197185

Sample ID:	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8		MSCC
Sample Location:	Floor of UST basin - southern end	Floor of UST basin - northern end	Southern wall of UST basin	Western wall of UST basin - southern end				Northern wall of UST basin	NCDEQ Action Level	MSCC Industrial / Commercial
Sample Depth (ft bls):	12	12	8	8	8	8	9	8		
BTEX (C6 - C9)	<0.45	<0.35	<0.37	<0.52	<0.5	<0.55	<0.48	<0.43	NE	NE
GRO (C5 - C10)	7.5	1.8	0.99	<0.52	<0.5	9.7	11.2	<0.43	50	NE
DRO (C10 - C35)	22.8	0.46	0.54	<0.52	<0.5	67.2	22.4	<0.43	100	NE
TPH (C5 - C35)	30.3	2.26	1.53	<0.52	<0.5	76.9	33.6	<0.43	NE	NE
Total Aromatics (C10-C35)	8.8	0.21	0.26	<0.1	<0.1	14.4	8.7	<0.09	NE	NE
16 EPA PAHs	0.38	<0.11	<0.12	<0.17	<0.16	0.58	0.38	<0.14	NE	NE
BaP	<0.018	<0.014	<0.015	<0.021	<0.02	<0.022	<0.019	<0.017	NE	0.78

### Notes:

Soil samples were collected on May 6, 2020.

SS-7 was collected beneath product line.

Detected compounds are shown in the table.

Concentrations are reported in milligrams per kilogram (mg/kg).

ft bls - feet below land surface.

GRO - Gasoline Range Organics.

DRO - Diesel Range Organics.

TPH - Total Petroleum Hydrocarbons.
BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes.

16 EPA PAHs - Environmental Protection Agency Polycyclic Aromatic Hydrocarbons (acenaphthene, acenaphthylene, anthracene,

benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[g,h,i]perylene, benzo[a]pyrene,

chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3-c,d]pyrene, naphthalene, phenanthrene, pyrene).

NE - Standard not established.

Detections shaded in gray exceed the North Carolina Department of Environmental Quality (NCDEQ) Action Level.

MSCC Industrial/Commercial - Maximum Soil Contaminant Concentration Levels Industrial/Commercial soil cleanup levels.

Bold: Constituent concentration reported above the method detection limit.

# APPENDIX A NOTICE OF INTENT FORM

### **UST-3** Notice of Intent: UST Permanent Closure or Change-in-Service

#### Return completed form to:

The DWM Regional Office located in the area where the facility is located. Also send a copy to the Central Office in Raleigh. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE OSE SINET	
I.D. #	
Date Received	

STATE LISE ONLY

### **INSTRUCTIONS (READ THIS FIRST)**

Complete and return a UST-3 form at least **thirty (30) days** prior to closure or change-in-service activities. If a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports then at least a **five (5) working days**' notice is acceptable.

Completed UST closure or change-in-service site assessment reports, along with a copy of the UST-2A and/or 2B forms, should be submitted to the appropriate Division of Waste Management (DWM) Regional Office within thirty (30) days following closure activities. The UST-2 form should also be submitted to the Central Office in Raleigh so that the status of the tanks may be changed to permanently closed and your tank fee account can be closed out. Note: Tank fees may be due for unregistered tanks.

UST closure and change-in-service site assessments must be completed in accordance with the latest version of the *Guidelines for Site Checks, Tank Closure* and *Initial Response*. The guidelines can be obtained at <a href="https://deq.nc.gov/about/divisions/waste-management/ust">https://deq.nc.gov/about/divisions/waste-management/ust</a>. Note: To close tanks in place you must obtain prior approval from the DWM Regional office located in the region where the facility is located.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

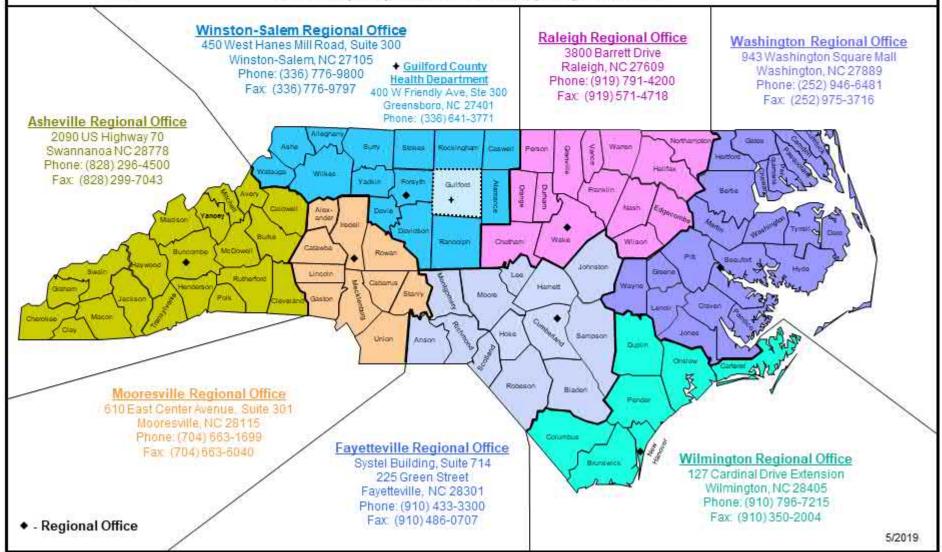
			impsites can leak per up of any environmer				je into tne	environi	ment. If your	tanks ar	e disposed of improperly, you
	I. OV	VNERSHI	P OF TANKS						II. LOC	ATION	
Owner Name (C	orporation,	Individual, I	Public Agency, or Oth	ner Entity)	Fa	cility	Name or	Compar	ıy		
Street Address					Fa	cility	ID # (If kr	nown)			
City			County		Str	reet	Address				
State			Zip Code		Cit	City Count					Zip Code
Phone Number		Email			Ph	one	Number				
				III. CONT	ACT PE	RS	ONNEL				
Name:			Company Name:		<u> </u>		Job Title				Phone Number:
		I	V. TANK REMOV	AL, CLOSI	JRE IN F	PLA	CE, CHA	NGE-IN	N SERVICE		
Contact locations     Plan entire     Conduct Sit     If removing     API Publications     Storage Tale     Storage Tale	closure evente Soil Assertanks or cleation 2015 anks and f Used Ur	ent. essment. osing in pla Cleaning 1604 Rer	6. S ce, refer to (3 Petroleum noval and 7. If Si Patroleum si	rovide a ske bil sampling l ubmit a closu 2 (including 80) days follo a release fro te assessme oust be condu	ocations.  Ire report if the form wing the somethe tane	in th US site i	e format o Γ-2) withir nvestigation has occurre the tank o	f UST- thirty on. ed, the losure	reports P.E. or supervis is not re	bearing L.G. If a sion, sign quired.	ith all closure site assessment the signature and seal of the release has not occurred, the nature or seal of a P.E. or L.G. cords for three (3) years.
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Address:					State:			Zip (	Code:	Р	hone No:
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									•	ed Activ	
Tank ID No.	Size ir	n Gallons	Last	Contents		F	Removal	Closure	e onment in Place	*	Change-In-Service New Contents Stored
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Signature				Date S	Signed	SO	CHEDULE	D REMO	OVAL DATE	48 hou	your DWM Regional Office irs before this date if uled removal date changes
LIOT O.D. O/OO											

### North Carolina Department of Environmental Quality

Division of Waste Management - Underground Storage Tank Section



1646 Mail Service Center Raleigh, NC 27699-1646 Phone: (919) 707-8171 / Fax: (919) 715-1117



# APPENDIX B TRANSPORTATION MANIFEST

5. Generator's Name and Mailing Address

Mott Hot Pet Hotel & Grooming
1311 S. Ridge Aue. U.S. EPA ID Number Environmental 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CCI Environmental 28/ Lane Parkway 10. Containers 11. Total 12. Unit 9. Waste Shipping Name and Description Wt./Vol. Туре Quantity Published by J.J. KELLER & ASSOCIATES, INC.®, Neenah, WI • USA • (800) 327-6868 • jjkeller.com • Printed in the United States MON Hazardous Material GENERATOR 4 6,000 UST for Recycling 13. Special Handling Instructions and Additional Information 14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. Generator's/Offeror's Printed/Typed Name Signature 15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter Signature (for exports only): Date leaving U.S. 16. Transporter Acknowledgment of Receipt of Materials TRANSPORTER Transporter 1 Printed/Typęd Name Signature Transporter 2 Printed/Typed Name 17. Discrepancy 17a. Discrepancy Indication Space Туре Residue Quantity Partial Rejection Manifest Reference Number: U.S. EPA ID Number 17b. Alternate Facility (or Generator) **DESIGNATED FACILITY** Facility's Phone: 17c. Signature of Alternate Facility (or Generator)

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Signature

1. Generator ID Number

**NON-HAZARDOUS** 

**WASTE MANIFEST** 

Printed/Typed Name

Month

Day

Full Rejection

Day

Month

4. Waste Tracking Number

050620

2. Page 1 of 3. Emergency Response Phone

704-213-1500

Generator's Site Address (if different than mailing address)

# APPENDIX C LABORATORY ANALYTICAL REPORTS and CHAINS-OF-CUSTODY







### **Hydrocarbon Analysis Results**

Client: Terracon

Address: 2401 Brentwood Rd

Ste 107

Raleigh, NC 27604

Contact: Don Malone, John Wells

Samples taken Samples extracted

Samples analysed

Wednesday, May 6, 2020

Wednesday, May 6, 2020 Wednesday, May 6, 2020

Operator Harry Wooten

**Project:** #70197185

													F03640
Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	ВаР		Ratios		HC Fingerprint Match
										% light	% mid	% heavy	
S	SS-1	18.2	<0.45	7.5	22.8	30.3	8.8	0.38	<0.018	62.9	33.4	3.7	Deg.Fuel 83.9%,(FCM)
S	SS-2	14.2	< 0.35	1.8	0.46	2.26	0.21	<0.11	<0.014	91.7	6.7	1.6	Deg.PHC 83.6%,(FCM)
S	SS-3	14.9	< 0.37	0.99	0.54	1.53	0.26	<0.12	<0.015	81.2	15.7	3.1	Deg.PHC 84.2%,(FCM)
S	SS-4	20.8	<0.52	<0.52	<0.52	<0.52	<0.1	<0.17	<0.021	0	100	0	Residual HC
S	SS-5	20.2	<0.5	<0.5	<0.5	<0.5	<0.1	<0.16	<0.02	0	89.6	10.4	Residual HC
s	SS-6	22.0	<0.55	9.7	67.2	76.9	14.4	0.58	<0.022	69	27.6	3.4	Deg.Diesel 66.4%,(FCM)
s	SS-7	19.1	<0.48	11.2	22.4	33.6	8.7	0.38	<0.019	72.3	24.7	3	Deg.Fuel 84.3%,(FCM)
s	SS-8	17.1	<0.43	<0.43	<0.43	<0.43	<0.09	<0.14	<0.017	0	100	0	Residual HC
	Initial C	alibrator	OC check	OK					Final F	M OC	Check	OK	103.2 %

Results generated by a QED HC-1 analyser. Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values are not corrected for moisture or stone content

Fingerprints provide a tentative hydrocarbon identification. The abbreviations are:- FCM = Results calculated using Fundamental Calibration Mode: % = confidence for sample fingerprint match to library

(SBS) or (LBS) = Site Specific or Library Background Subtraction applied to result : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate present

Client Name:	Terrac	on	-0.02 N 6/1 000857 6/3						RED La	b, LLC	
Address:	2401 Brei	ntwood Rd	STE 107						5598 N	larvin K M	loss Lane
2075274138725310		NC 271		1150				TM	MARBIO	ONC Bldg,	Suite 2003
Contact:	produced in the contract of th	ne, John	Wells						March Street	gton, NC 2	
Project Ref.:	701971										be analyzed fo
Email:	don, malon	e@terru	en, com	_							TPH, PAH tot
Phone #:	and the same and	illo@ferra	an.com	RAF	ID ENVI	RONME	NTAL DIAGN	OSTICS	# 15 CO 15 C	and BaP. Sta	
C. II	919-873	5-2211									and Chlorinati 1,2 cis DCE, 1,
Collected by:	John W.	115	CHAIN	OFC	LISTON	ANDA	MALVECAL	DECLIECT COD	trans DCE,	TCE, and PC	E. Specify targ
Sample Collection	-	quested	Analye	is Type	03100	ANDA	MALTICAL	REQUEST FOR	IVI analytes in	the space pr	rovided below
Date/Time	24 Hour	48 Hour	UVF	GC	Initials	ă.	Samp	le ID	Total Wt.	Tare Wt.	Sample W
11:02 55	24 Hour	40 Hour	-	GC	TU	-	55-1				
11:04 55-2		-	1		JW				52.8	40.7	12.1
11:06 55		V	1		JW		55-2 55-3		515	40.7	10.8
11:08 35 4		V	V		Jw.	7	55- H		50.9	40.6	10.3
11:10 555		1	1		JW	3	55-5		11000170170170	40.6	10.6
11:12-55-6		V	-		70	120	55-b		51.4	40,5	10.9
11:14 555		V	/		JW	.0	55-7		50.7	40.7	10.0
11:16		V	V		Jw.	MOS.	55-8				11.5
		-			100	高	22.0		53,7	40.8	12.9
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						59					
					+	100					
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COMMENTS/REQUE	313:					TARGET G	C/UVF ANALYTES	:			
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John W.		10/0/	15:40	T.	-	ted by		Date/Time	RED	Lab USE O	NLY
JOHN W	E113 M	h Wy	15:00	terruse	traign	12 30	1.577	1/20 (230)	(II)	(8)	
Relinguis				-		ted by	19/1	Date/Time	-		

# **APPENDIX D**FIELD NOTES and PHOTO LOG

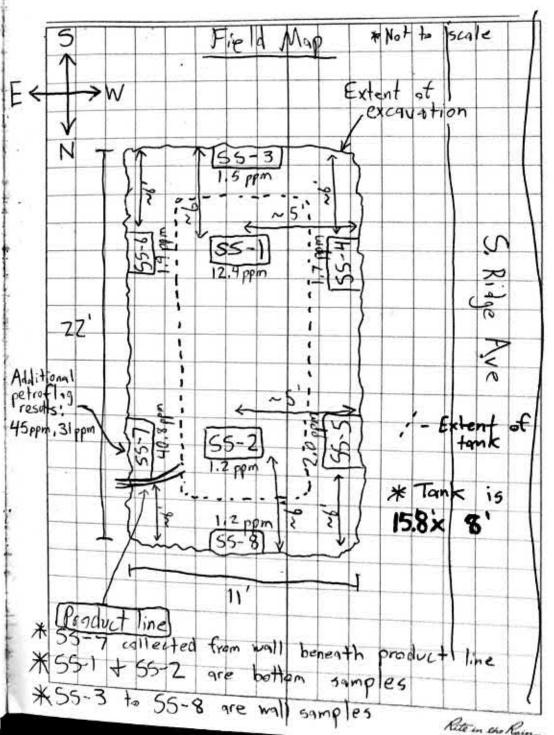
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	- Alan						
	- Kurt - Richard						
Weather -	Sunny	103					
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9850 - Pr			U	to	begin		
1900 - Exc	avation	begi	ns,		J		
100 ppm 0910 - Gas	line a	e so	thens	tern	opm c Ond	alibrat	on
Will I	ie of	1 1	trom	To	ank c	edge.	
THE	xcavatia	91	tha		end	Rete in the	

Location Kannapolis, NC Project / Client 79197185

0915 - JW screens excavated (above tank)
soil with PID. Readings from
western side of tank: 4.7 ppm, 1.0 ppm,
3.2 ppm, 2.9 ppm Freadings from enstern side of tank: 4.6 ppn, 5.1 ppm, 3.9 ppm in soil overlying tank 0925 - Additional PID readings from enstern side of tank: 7.4 ppm, 3.7 ppm, 4.6 ppm 0930 - Tank is now exposed, excavating soil adjacent to the sides - only I tank, rather than 2 that was previously suspected 0945 - Soil on eastern side of tank has been excavated. Eastern side of tank now exposed, Begin excavating soil from western side

Location Kannapolis, NC Date 5/6/20 



0950 - PID readings from eastern side of tank (lireally adjacent to side of tank; 1.7 ppm, 3.7 ppm, 4.4 ppm excavation, may be coming from inside tank 1000- Tank fully exposed + disloyed excess soil off of trank. 1005-PID readings from western adjacent 2011: 7.9 ppm, 35.6 ppm, 14.8 ppm
4 noticable odar in 35.6 ppm sample 1015 - Preparing to rinse + rac truck to provide CCI access to water

Location Kannapolis, NC Date 5/6/20 7 Project / Client 70197185

1020 - Tank looks to be 3000 - 4000 gallons. CCI may need to get larger truck/trailer to haul off. L7 CCI takes reading for combustible vapors inside tank > 0% LEL. Little to no product inside tank, minor sludge on bottom 4 CCI tells Jw the "sludge" is stiff / sediment 1035 - Fire marshal on site, CCI takes another reading for combustible vapors inside tank > 0 % LEL 1100- Tank has been removed from excavation, JW prepping to collect samples La JW speaks w/ Don Malone on phone. Will collect Z samples from bottom, Z samples from each sidewall, I from each end wall one beaenth product line Rite in each Rein

stockyard.

Location Kannapolis, NC Date 5/6/20 8
Project/Client 70/47185

Sample Log Corresponding locations
on Field map, 19.5

	Samp	ole Log	( or fie	To map, Po
ID	Dane	Time	Media	Analysis
95-1	5/6/20	1102	50;1	UVF
35-2		1104	1	
35-3		1196		
35-4		1108		
55-2 55-3 55-4 55-5		1110		
5-6 5-7		1112		
		1114		
55-8	_   Y	1116	V	V
			+ + +	
	ID	L	ocation	
	55.7 55.2		thern botto	m
	55.2		thern both	
	55.3		their will	
	55.4 55.5	South	nern and of	western wal
	55-5	Nort	hun end at	western wall
	55-6 55-7	Sout	hern and of	enstein woll
	55.7	North	ern and of	eastern wall
	55-8	Nort	hern wall	
	<b>*</b>	Depth o	samples	en next page

Reto in the Rain.

	Kannapa	lis, NC		Date 5	16/20
Location Project	Client	7919719	<del>85</del>	- 1	
_		Sample	Depths		
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	55-2				
	35-3	~ (	В'		
	55.4	~	and the same of th		
	55-5	~			
	55-6	~	8'		
	55-7		9'		
	55.8	~	8'		
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	en s	ite to	impor- backfi	11	
			1		
1250-	Larger	tractor	trailer k	on	site
	to 1	and tan	k		
1300-	JW 6	louble che	cks fo	m K	
	mpasuro	nonle 1	15.8	lanth	
	UDVIE	8' diam	15.0	ieng.	
			-51		
	4	5,940	gallor	15	
			0		

Date 5/6/20 Location Kannapolis, NC Project/Client 70197185 Project / Client \_\_

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1320 - L	ast	load	of i	mport	soil	on		
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1070 -					1 11	-		+
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5	16/2	0			_		Bruch	-





Photo 1 - View of excavation facing south-southeast



Photo 2 - Additional view of excavation facing east-southeast





Photo 3 - View of UST being pulled from excavation



Photo 4 - View of interior of UST basin facing south





Photo 5 - View of interior of UST basin facing west



Photo 6 - View of 6,000-gallon UST after excavation





Photo 7 - Additional view of 6,000-gallon UST after excavation



Photo 8 - View of backfilling of UST basin facing west





Photo 9 - View of UST being loaded onto tractor trailer for off-site disposal



Photo 10 - View of former UST basin after site restoration