



September 18, 2024

Mr. Craig Haden
North Carolina Department of Transportation
1589 Mail Service Center
Raleigh, NC 27699-1589

Subject: UST Closure Services – U-5797 Parcel 009
Owner: Former Christopher & Karen Floyd
2303 Pine Street, Lumberton, NC

Mr. Haden,

Pyramid has completed the excavation and removal of two underground storage tanks (USTs) at the above-referenced property, in accordance with our technical and cost proposal submitted to the North Carolina Department of Transportation (NCDOT) on July 8, 2024. The tank removal was supervised by Pyramid geologist Tim Leatherman, and the excavation activities were performed by CCI Environmental Services (CCI).

Prior to the tank removal, Pyramid geophysical staff mobilized to the site and located the two USTs using a combination of an EM61 electromagnetic metal detection instrument and ground penetrating radar. This instrumentation was also used to locate and mark any buried utilities within the immediate vicinity of the tanks. The USTs were marked in the field with a combination of paint and pin flags.

Tim Leatherman and CCI mobilized to the site and began the UST excavations on August 27, 2024. It should be noted that Tim Leatherman corresponded with the Town of Lumberton Fire Marshall prior to mobilization, who indicated that records existed stating the tanks had been closed in place with slurry in 1989. The excavation of the two USTs confirmed that the tanks were abandoned in place with a slurry-sand mixture. Discussions between the NCDEQ and the NCDOT project manager Craig Haden indicated that since the tanks had been closed in place, no closure samples were needed. Pyramid sent two disposal samples to RED Labs for analysis of diesel-range organics and gasoline-range organics (DRO and GRO). The results indicated that the soils exceeded action levels for both parameters.

The tanks were successfully removed on August 28, 2024. Upon excavation, it was determined that the volumes of the two tanks were 1,000 gallons and 550 gallons. A total of 25.83 tons of soil was removed during the excavation, in accordance with the soil disposal manifest completed by CCI. Pyramid contracted Froehling and Robertson to

perform compaction testing to T-99 or equivalent, which was also completed on August 28, 2024.

The following Attachments are included to document the UST closure activities:

- UST Removal Notification Form (UST-3 Form)
- City of Lumberton UST Removal Permit
- UST Location Map (From Pyramid Geophysical Report, April 2019)
- Photographs of Tank Removal and Compaction
- Soil Disposal Manifest and Weight Ticket
- Soil Disposal Lab Results/Report
- UST-61 24-Hour Notice

Thank you for the opportunity to work with the NCDOT on this project, please do not hesitate to contact us with any questions or comments.

Warm regards,



DocuSigned by:
Eric Cross
3292E33596454F4...

Eric Cross, P.G.
Senior Project Manager

Attachment A

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 USE ONLY

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

Complete and return a UST-3 form at least **thirty (30) days** prior to closure or change-in-service activities.

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 <https://deq.nc.gov/about/divisions/waste-management/ust>. 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.

I. OWNERSHIP OF TANKS

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Former Christopher & Karen Floyd

Street Address
108 King Arthur Drive

City
Wilmington

County
New Hanover

State
NC

Zip Code
28403

Phone Number

Email

II. LOCATION

Facility Name or Company
Orphaned UST System - Tanks

Facility ID # (If known)
Orphaned UST System - Tanks

Street Address
2303 Pine Street

City
Lumberton

County
Robeson

Zip Code
28358

Phone Number

III. CONTACT PERSONNEL

Name:
Craig Haden

Company Name:
NCDOT

Job Title:
Project Manager

Phone Number:
919.707.6871

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE

- Contact local fire marshal.
- Plan entire closure event.
- Conduct Site Soil Assessment.
- If removing tanks or closing in place, refer to API Publication 2015 *Cleaning Petroleum Storage Tanks* and 1604 *Removal and Disposal of Used Underground Petroleum Storage Tanks*.
- Provide a sketch locating piping, tanks and soil sampling locations.
- Submit a closure report in the format of UST-12 (including the form UST-2) within thirty (30) days following the site investigation.
- If a release from the tanks has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G. If a release has not occurred, the supervision, signature or seal of a P.E. or L.G. is not required.
- Keep closure records for three (3) years.

V. WORK TO BE PERFORMED BY

Contractor Name:
Jason Jomp

Contractor Company Name:
CCI

Address:
708 Martin Luther King, Jr. Drive

City:
Thomasville

State:
NC

Zip Code:
27360

Phone No:
910.759.1842

Primary Consultant Name:
Michael G. Jones, P.G.

Primary Consultant Company Name:
Pyramid Environmental & Engineering

Consultant Phone No:
336.335.3174

VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Tank ID No.	Size in Gallons	Last Contents	Proposed Activity		
			Removal	Closure Abandonment in Place *	Change-In-Service New Contents Stored
1	1000	Gasoline, Gas Mix	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	2000	Gasoline, Gas Mix	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

* Prior written approval to abandon a tank in place must be received from a DWM Regional Office.

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Has a release from a UST system occurred at this location? ☐ Yes ☐ No ☒ Unknown

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs.

Print name and official title: Timothy D. Leatherman, P.G.

Signature

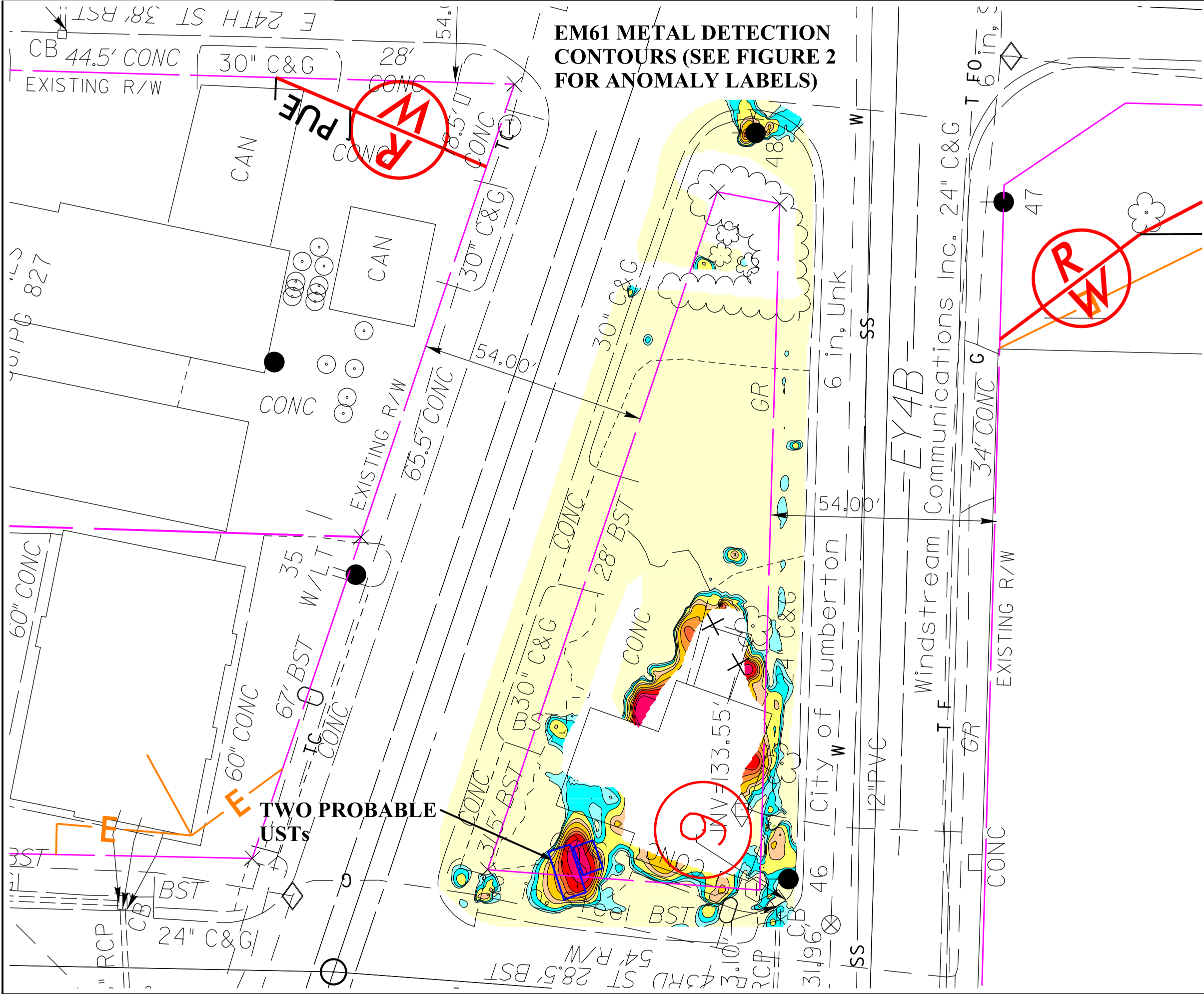
Date Signed
07/19/2024

SCHEDULED REMOVAL DATE
08/27 & 28/2024

Notify your DWM Regional Office
48 hours before this date if
scheduled removal date changes

Attachment B

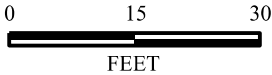
Attachment C




LEGEND

- EXISTING ROW
- EXISTING PROPERTY BOUNDARY
- PROPOSED ROW LINE
- TEMPORARY CONSTRUCTION EASEMENT
- PUE
- PROPOSED PERMANENT UTILITY EASEMENT
- PROPOSED SS CUT LINE
- PROPOSED SS FILL LINE
- PROBABLE UST

MILLIVOLTS (mV)



TITLE OVERLAY OF METAL DETECTION RESULTS AND TWO PROBABLE USTs ON NCDOT ENGINEERING PLANS	
PROJECT PARCEL 009 LUMBERTON, NORTH CAROLINA NCDOT PROJECT U-5797	
 503 INDUSTRIAL AVENUE GREENSBORO, NC 27406 336.335.3174 (p) 336.691.0648 (f) License # C1251 Eng. / #C257 Geology	
DATE: 04-11-2019	REVISION NO. 0
PYRAMID PROJECT NO. 2019-091	FIGURE NO. 5

Attachment D













Attachment E

Carolina Composting of NC
 Post Office Box 99
 China Grove, NC 28023
 Phone #: 704-218-9653
 Email: office@carolinacomposting.org

Load #1
 08/27/24
 Job# 29417
 TL# 6006

Frank Holder

NON-HAZARDOUS WASTE MANIFEST

Project Number: 2024-214 NCDOT U-5797	Load Number: #1
Consultant: Pyramid Environmental & Engineering, P.C.	Contact: Tim Leatherman, Agent for NCDOT
Generator: NCDOT	Contact: Craig Haden, NCDOT Phone (919) 707-6867
Transporter: <i>CCI - Environmental - Thomasville NC</i>	Contact: Phone :
Destination: Carolina Composting of NC 6483-/6425 NC-109 Wadesboro, NC 28170	Contact: Frankie Holder/Joseph Solomon Phone: 919-777-4405 or 704-218-9623
Waste: <i>Petroleum Contaminated Soil</i>	Waste Origination: <i>2303 N. Pine Street Lumberton NC</i>
Truck #: <i>6006</i>	Gross Weight:
	12:42PM 08/27/2024 13 ID. NO.
	Tare Weight: 83320 lb GR
	Net Weight: 31660 lb TR RECAL 51660 lb NT
	Tons: <i>25.83 ton</i>

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

NCDOT / *Tim Leatherman*
 Generator / Agent Signature
 Acknowledgment of Receipt of Material:

Project Manager *08/27/24*
 Title *OW Wa* Date
 Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above by: Carolina Composting of NC)

Accepted By: *Frankie Holder* Date: *8-27-24*

Attachment F



Client: Pyramid Environmental
Address: 503 Industrial Ave Greensboro, NC

Samples taken
Samples extracted
Samples analysed

Tuesday, August 27, 2024
Tuesday, August 27, 2024
Wednesday, August 28, 2024

Contact: Tim Leatherman

Operator

Coby Clayton

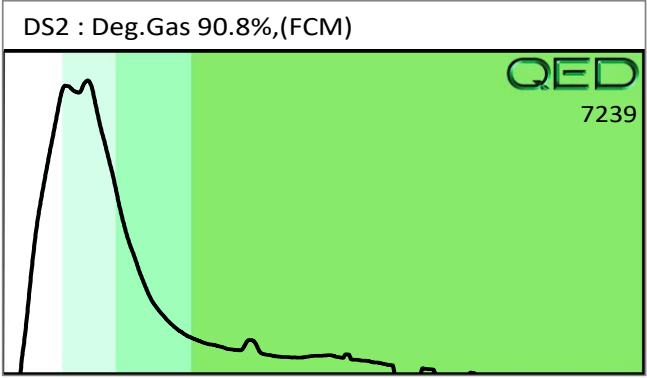
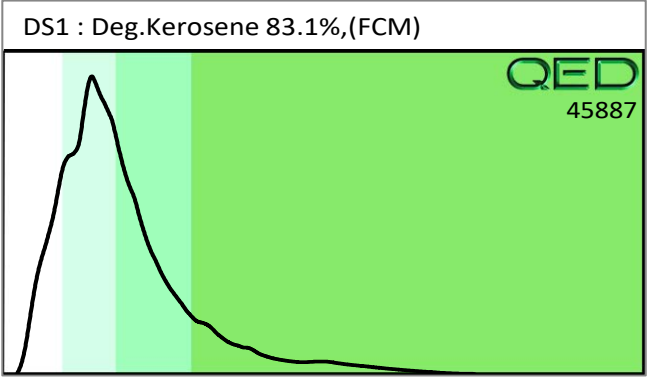
Project: NCDOT U-5797

[illegible]

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



RED Lab, LLC
105 Portwatch Way
Suite F
Wilmington, NC 28412

Each UVF sample will be analyzed for total BTEX, GRO, DRO, TPH, PAH total aromatics and BaP. Standard GC Analyses are for BTEX and Chlorinated Solvents: VC, 1,1 DCE, 1,2 cis DCE, 1,2 trans DCE, TCE, and PCE. Specify target analytes in the space provided below.

Collected by:

CHAIN OF CUSTODY AND ANALYTICAL REQUEST FORM

[illegible]

COMMENTS/REQUESTS:

TARGET GC/UVF ANALYTES:

Relinquished by

Accepted by

Date/Time

RED Lab USE ONLY

Relinquished by

Accepted by

Date/Time

Ref. No

Attachment G

UST-61		24-Hour Release and UST Leak Reporting Form.									
For Releases in NC		This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release									
<div style="text-align: right; font-size: small;">(DWM USE ONLY)</div> Incident # _____ Risk (H,I,L,U) _____ Received On _____ Received By _____ Reported by (circle one): Phone, Fax or Report Region _____		Suspected Contamination? (Y/N) <u>No</u> Confirmed GW Contamination? (Y/N) <u>No</u> Confirmed Soil Contamination? (Y/N) <u>Y</u> Samples Taken? (Y/N) <u>Y</u> Free Product? (Y/N) <u>N/A</u> If Yes, State Greatest Thickness _____ N/A									
Facility ID Number <u>Orphaned Tanks</u> Date Leak Discovered <u>8/28/2024</u> Comm/Non-Commercial? <u>Non</u> Reg/Non-regulated? <u>Non</u>											
INCIDENT DESCRIPTION											
Incident Name: (1896 - 1970)											
Address: 2303 N. Pine Street		County: Robeson									
City/Town: Lumberton, NC		Zip Code: 28358									
Regional Office (circle one): Asheville, Mooresville, <u>Fayetteville</u> , Raleigh, Washington, Wilmington, Winston-Salem											
Latitude (decimal degrees): 34.633458 N		Longitude (decimal degrees): - 79.003340 W									
Briefly describe suspected or confirmed release: (including but not limited to: nature of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)		Obtained by: <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Topographic map <input type="checkbox"/> GIS Address matching <input type="checkbox"/> Other <input type="checkbox"/> Unknown									
According to the Fire Marshall the 1,000-gallon & 550-gallon UST were abandoned in-place		Describe location: Google Maps									
with slurry in 1989. During the UST removals, the tanks were full of slurry - sand mixture.											
Petroleum odor was observed in the soil around and below the tanks. The excavated soil and											
sand material in the tanks were transported off-site for proper disposal (25.83 tons).											
Laboratory results of the excavated material detected concentrations above NCAC Action											
Levels for GRO and DRO.											
HOW RELEASE WAS DISCOVERED (Release Code) (Check one)											
<input type="checkbox"/> Release Detection Equipment or Methods <input checked="" type="checkbox"/> During UST Closure/Removal <input type="checkbox"/> Property Transfer		<input checked="" type="checkbox"/> Visual/Odor <input type="checkbox"/> Water in Tank <input type="checkbox"/> Water Supply Well Contamination									
<input type="checkbox"/> Groundwater Contamination <input type="checkbox"/> Surface Water Contamination <input type="checkbox"/> Other (specify) _____											
SOURCE OF CONTAMINATION											
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 25%; text-align: left; padding: 5px;"><u>Source of Release</u> (Check one to indicate primary source)</th><th style="width: 25%; text-align: left; padding: 5px;"><u>Cause of Release</u> (Check one to indicate primary cause)</th><th style="width: 25%; text-align: left; padding: 5px;"><u>Type of Release</u> (Check one)</th><th style="width: 25%; text-align: left; padding: 5px;"><u>Product Type Released</u> (Check one to indicate primary product type released)</th></tr></thead><tbody><tr><td style="padding: 5px; vertical-align: top;"><input checked="" type="checkbox"/> Tank <input type="checkbox"/> Piping <input type="checkbox"/> Dispenser <input type="checkbox"/> Submersible Turbine Pump <input type="checkbox"/> Delivery Problem <input type="checkbox"/> Other <input type="checkbox"/> Unknown</td><td style="padding: 5px; vertical-align: top;"><input type="checkbox"/> Spill <input type="checkbox"/> Overfill <input type="checkbox"/> Corrosion <input type="checkbox"/> Physical or Mechanical Damage <input type="checkbox"/> Install Problem <input type="checkbox"/> Other <input checked="" type="checkbox"/> Unknown</td><td style="padding: 5px; vertical-align: top;"><input checked="" type="checkbox"/> Petroleum <input type="checkbox"/> Non-Petroleum <input type="checkbox"/> Both <div style="text-align: center;"><u>Location</u> (Check one)</div><input checked="" type="checkbox"/> Facility <input type="checkbox"/> Residence <input type="checkbox"/> Other</td><td style="padding: 5px; vertical-align: top;"><input checked="" type="checkbox"/> Gasoline/ Diesel/ Kerosene <input type="checkbox"/> Heating Oil <input type="checkbox"/> Other Petroleum Products <input type="checkbox"/> Metals <input type="checkbox"/> Other Inorganics <input type="checkbox"/> Other Organics <input type="checkbox"/> Diesel/Veg. Oil Blend <input type="checkbox"/> Vegetable Oil 100% <input type="checkbox"/> E10 – E20 <input type="checkbox"/> E21 – E84 <input type="checkbox"/> E85 – E99 <input type="checkbox"/> Ethanol 100% <input type="checkbox"/> E01 – E09</td></tr></tbody></table>				<u>Source of Release</u> (Check one to indicate primary source)	<u>Cause of Release</u> (Check one to indicate primary cause)	<u>Type of Release</u> (Check one)	<u>Product Type Released</u> (Check one to indicate primary product type released)	<input checked="" type="checkbox"/> Tank <input type="checkbox"/> Piping <input type="checkbox"/> Dispenser <input type="checkbox"/> Submersible Turbine Pump <input type="checkbox"/> Delivery Problem <input type="checkbox"/> Other <input type="checkbox"/> Unknown	<input type="checkbox"/> Spill <input type="checkbox"/> Overfill <input type="checkbox"/> Corrosion <input type="checkbox"/> Physical or Mechanical Damage <input type="checkbox"/> Install Problem <input type="checkbox"/> Other <input checked="" type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Petroleum <input type="checkbox"/> Non-Petroleum <input type="checkbox"/> Both <div style="text-align: center;"><u>Location</u> (Check one)</div> <input checked="" type="checkbox"/> Facility <input type="checkbox"/> Residence <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Gasoline/ Diesel/ Kerosene <input type="checkbox"/> Heating Oil <input type="checkbox"/> Other Petroleum Products <input type="checkbox"/> Metals <input type="checkbox"/> Other Inorganics <input type="checkbox"/> Other Organics <input type="checkbox"/> Diesel/Veg. Oil Blend <input type="checkbox"/> Vegetable Oil 100% <input type="checkbox"/> E10 – E20 <input type="checkbox"/> E21 – E84 <input type="checkbox"/> E85 – E99 <input type="checkbox"/> Ethanol 100% <input type="checkbox"/> E01 – E09
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Definitions presented on reverse		Definitions presented on reverse									
Ownership 1. Municipal 2. Military 3. <u>Unknown</u> 4. Private 5. Federal 6. County 7. State											
Operation Type 1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial 6. <u>Commercial</u> 7. Mining											

IMPACT ON DRINKING WATER SUPPLIES			
Water Supply Wells Affected? 1. Yes 2. No 3. Unknown			
Number of Water Supply Wells Affected _____			
Water Supply Wells Contaminated: (Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary)			
1. 2. 3.			
UST SYSTEM OWNER			
UST Owner/Company Orphaned UST System - Tanks / Former Property Owner - Christopher & Karen Floyd			
Point of Contact Tanks abandoned In-Place with Slurry in 1989		Address 108 King Arthur Drive	
City Wilmington	State NC	Zip Code 28403	Telephone Number
UST SYSTEM OPERATOR			
UST Operator/Company Orphaned UST System - Tanks		Address	
City	State	Zip Code	Telephone Number
LANDOWNER AT LOCATION OF UST INCIDENT			
Landowner Former Christopher & Karen Floyd - Current NCDOT		Address 108 King Srthur Dr.	
City Wilmington	State NC	Zip Code 28403	Telephone Number
Draw Sketch of Area (showing two major road intersections) or Attach Map			
Person Reporting IncidentTim Leatherman		CompanyPyramid Environmental & Engineering, P.C.	Telephone Number336-335-3174
Title Project Manager	Address 503 Industrial Avenue, Greensboro, NC		Date 08/30/2024

Definitions of Sources

Tank: means the tank that stores the product and is part of the underground storage tank system

Piping: means the piping and connectors running from the tank or submersible turbine pump to the dispenser or other end-use equipment (Vent, vapor recovery, or fill lines are excluded.)

Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping (e.g., a release from a suction pump or from components located above the shear valve)

Submersible Turbine Pump (STP) Area includes the submersible turbine pump head (typically located in the tank sump), the line leak detector, and the piping that connects the submersible turbine pump to the tank

Delivery Problem: identifies releases that occurred during product delivery to the tank. (Typical causes associated with this source are spills and overfills.)

Other: serves as the option to use when the release source is known but does not fit into one of the preceding categories (e.g., for releases from vent lines, vapor recovery lines, and fill lines)

Unknown: identifies releases for which the source has not been determined

Definitions of Causes

Spill: use this cause when a spill occurs (e.g., when the delivery hose is disconnected from the tank fill pipe or when the nozzle is removed from the dispenser)

Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser)

Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken components, and components that have changed dimension)

Corrosion: use when a metal tank, piping, or other component has a release due to corrosion (e.g., for steel, corrosion takes the form of rust)

Installation Problem: use when the problem is determined to have occurred specifically because the UST system was not installed properly

Other: use this option when the cause is known but does not fit into one of the preceding categories (e.g., putting regulated substances into monitoring wells)

Unknown: use when the cause has not been determined