



April 9, 2024

Mr. Joey Kapherr
175 North B Harrison Lane
Henderson, NC 27537

RE: Underground Storage Tank (UST) Closure Assessment Report
601 Lake Road, Creedmoor, North Carolina
Cedar Rock Project Number 383922590

Dear Mr. Kapherr:

Cedar Rock Environmental, P.C. (Cedar Rock) is pleased to submit this report describing activities and results for the in-place abandonment of the onsite UST located at 601 Lake Road in Creedmoor, North Carolina. The UST abandonment was performed on April 9, 2024. Included in this report are project documents consisting of a disposal manifest and photographic documentation. This report should be kept with other documents pertaining to the residential property.

Soil contamination was detected beneath the UST during a site inspection performed on March 29, 2024. The release was reported to the Department of Environmental Quality (DEQ) using a UST-61 form on April 2, 2024. Although the State no longer requires further assessment of the contamination, the State does require the filing of a Notice of Residual Petroleum (NRP) prior to conveying the property to another party. The NRP includes land use restrictions prohibiting any disturbance of site soils within a specified radius of the estimated extent of soil contamination and prohibits the use or installation of any water supply wells on the property. Cedar Rock filed the NRP on April 9, 2024. The DEQ should issue a Conditional Notice of No Further Action (NFA) letter within the next several days. Upon receipt of proof that the local officials and adjacent property owners have been notified of the release by receiving a copy of the Conditional NFA letter, and that the NRP has been filed, the DEQ will reissue the NFA letter with no conditions to officially close out the petroleum release incident.

Enclosed is an invoice for this work effort. If you have any questions, please do not hesitate to contact me at 336-684-2734. Thank you for your consideration of Cedar Rock to provide you with this service.

Sincerely,

Robert A. Payne, L.G.
President

Attachments

**UNDERGROUND STORAGE TANK
CLOSURE ASSESSMENT REPORT FOR
601 LAKE ROAD
CREEDMOOR, NORTH CAROLINA**

Prepared for:

**Mr. Joey Kapherr
Henderson, North Carolina**

Prepared by:

**Cedar Rock Environmental, P.C.
107 Pioneer Trail
Graham, North Carolina**

**Robert A. Payne, L.G.
President**

April 9, 2024

CR #383922590

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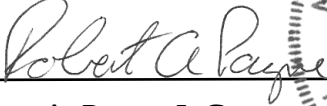
FIGURE

1	Site Map
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APPENDICES

A	Fluid Disposal Manifest
B	Photographic Documentation

I hereby certify this 9th day of April 2024 that this report was prepared by me or under my direct supervision.


Robert A. Payne, L.G.
Geologist



1.0 INTRODUCTION

Cedar Rock Environmental, P.C. (Cedar Rock) was contacted by Mr. Joey Kapherr of Henderson, North Carolina to abandon in-place an underground storage tank (UST) located at 601 Lake Road in Creedmoor, North Carolina. The UST was first inspected on March 29, 2024. An inactive UST was observed to be located as shown in the Site Map. Both the fill and vent pipes of the UST were observed to be intact, with the vent pipe surrounded by a piece of terracotta pipe. The depth to the top of the UST is approximately 23 inches below land surface (bls). The UST has a length of about 94 inches with a diameter of approximately 41.75 inches and a capacity of about 560 gallons. The UST was measured to contain approximately 489 gallons of fluid. White flagging was installed to mark the ends of the UST (see Photo 1). No other USTs were discovered using a metal detector to survey the outside perimeter of the residence where USTs are usually located, however, there appears to be a septic tank located in the backyard. Two copper fuel delivery/return lines were observed in the crawlspace extending about eight feet under plastic where they were cut and crimped. No petroleum odors or stains were observed in the crawlspace.

Once the orientation of the UST was determined, a soil boring was performed at the location marked on the Site Map using a ¾-inch diameter drill auger. The boring was advanced to a depth of approximately 5.7 feet bls, about 0.3 feet below the bottom of the UST. A strong petroleum odor was observed in the soil from the base of the boring, suggesting significant leakage from the UST has occurred. The native soil underlying the tank consists of a brownish orange sandy silt.

The property is currently serviced by a municipal water supply. No water supply wells were observed within 150 feet of the petroleum release. For this reason, the property should be classified as “Low Risk” by the State.

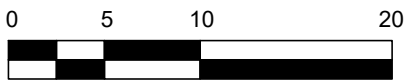
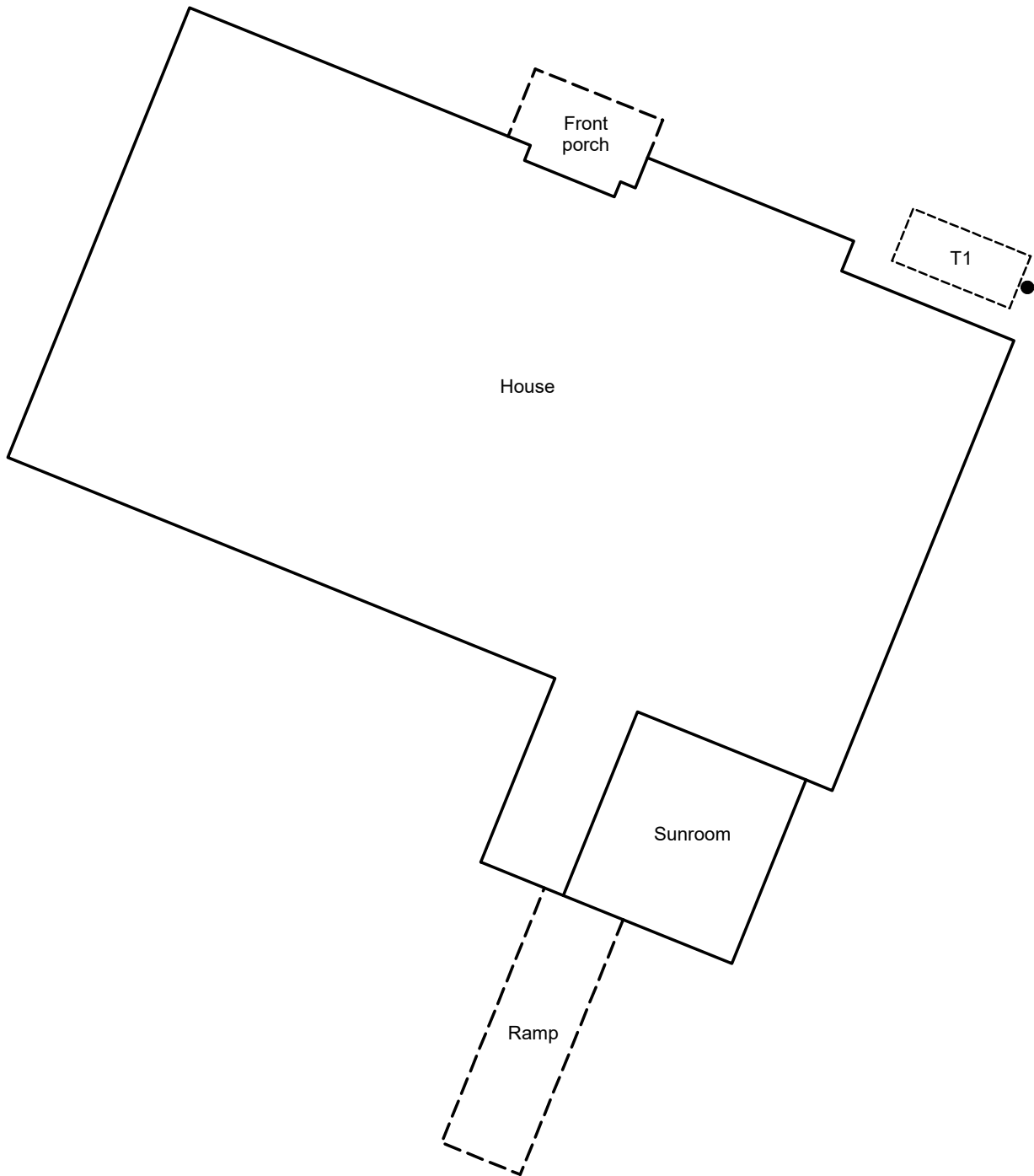
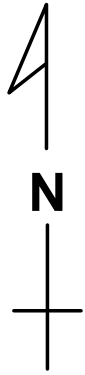
2.0 PROJECT

The in-place abandonment of the UST was performed on April 9, 2024. The abandonment consisted of the hand excavation of the soils overlying the southeastern end of the UST to expose the topside of the tank. A hole approximately 1.5 feet in diameter was then cut on the top of the UST to allow for removal of the tank contents, cleaning and visual inspection of the UST interior, and subsequent filling. The tank was pressure washed to remove all residual petroleum sludge. Residual oil in the fuel lines was also removed by vacuum. The fuel lines were removed from the crawlspace. Approximately 519 gallons of fluid and sludge (including rinsate) were removed from the UST. The fluid disposal manifest for the tank contents is included in Appendix A.

After the interior of the UST was cleaned, the tank was then entirely filled with an excavatable flowable fill cement slurry. Once filled, the exposed portion of the UST was then covered with site soils (see Appendix B - Photographic Documentation).

FIGURE

SITE MAP



1 inch = 10 feet

● : Soil Boring Location

□ : T1 = 560-Gallon UST

PROJECT: Joey Kapherr Property
INCIDENT #: 49466
LOCATION: 601 Lake Road
Creedmoor, Granville Co.
CRE PROJECT NUMBER: 383922590

**CEDAR ROCK
ENVIRONMENTAL, P. C.**

FILENAME: 3839-Fig1.tcw
VERSION DATE: 3/29/2024

SITE MAP

FIGURE 1

APPENDIX A

FLUID DISPOSAL MANIFEST

MATERIAL MANIFEST

EMERGENCY PHONE NO.
336-515-7700



ENVIRONMENTAL & INDUSTRIAL SERVICES

2036 Bishop Road Greensboro, NC 27406

Manifest Document No.

01

Page 1 of 1

Job #: 1050

GENERATOR INFORMATION

Name Joey Kapher		US EPA ID No.
Street Address 6010 LAKE ROAD CREEDMOOR, NC 27522	Mailing Address	Phone No.
		Contact Bob Payne

DESCRIPTION OF MATERIALS

	HM	USDOT Proper Shipping Name (Complete All Items for Hazardous Materials)	Hazard Class or Div	UN / NA ID No.	Packing Group	Containers Qty. Type	Total Quantity	Unit Wt./Vol.
a.		NON HAZARDOUS liquids - NOS	-	-	-	1 TT	519	G
b.								
c.								

ADDITIONAL INFORMATION

ERG No.

Facility Use

a.	PETRO CONTACT WATER		
b.			
c.			

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40 CFR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed / Typed Name Robert A. Payne	Signature Robert A. Payne	Mo. / Day / Yr. 4/9/24
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TRANSPORTER INFORMATION

Transporter Tiger Environmental & Industrial Services	I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.	
Address 2036 Bishop Road Greensboro, NC 27406	Signature Benny J. Ward	Shipment Date 4-9-24
Transporter or EPA ID No. 3365354	Unit No. VT-2	I hereby acknowledge receipt of the above-described materials were received from the generator site and were transported to the facility listed below.
Phone 336-515-7700	Signature	Delivery Date

FACILITY INFORMATION

Facility Tiger Environmental & Industrial Services	I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.	
Address 2036 Bishop Road Greensboro, NC 27406	Signature	Receipt Date
Facility or EPA ID No.	Discrepancies / Routing Codes / Handling Methods	
Phone 336-515-7700	a.	
Contact Matthew Tedder	b.	
	c.	

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION



Photo 1. View of the UST site prior to abandonment activities.



Photo 2. View of the UST interior prior to the removal of tank contents.



Photo 3. View of the UST interior after the removal of UST contents and pressure wash cleaning of the tank interior.



Photo 4. View of the UST being filled with flowable fill cement slurry.



Photo 5. View of the UST after filling with flowable fill cement slurry.



Photo 6. View of the UST site after the completion of abandonment activities.