



Cedar Rock ENVIRONMENTAL

CEDAR ROCK ENVIRONMENTAL, P.C.

107 Pioneer Trail
Graham, NC 27253
(336) 376-0394

July 28, 2022

Mr. Nathan Frund
3257 Tump Wilkins Road
Stem, NC 27581

RE: Underground Storage Tank (UST) Closure Assessment Report
3257 Tump Wilkins Road, Stem, North Carolina
Cedar Rock Project Number 347122590

Dear Mr. Frund:

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 3257 Tump Wilkins Road in Stem, North Carolina. The UST abandonment was performed on July 28, 2022. 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 July 5, 2022. The release was reported to the Department of Environmental Quality (DEQ) using a UST-61 form on July 7, 2022. 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 (excluding the existing well). Cedar Rock filed the NRP on July 22, 2022. The DEQ will not issue a Conditional Notice of No Further Action (NFA) letter until the water supply well located within 150 feet of the release area has been properly abandoned. Once the DEQ receives documentation for the well abandonment from a licensed driller, they will issue the NFA letter. 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 336-376-0394. Thank you for your consideration of Cedar Rock to provide you with this service.

Sincerely,

Robert A. Payne, L.G.
President

RAP:rp
Attachments

**UNDERGROUND STORAGE TANK
CLOSURE ASSESSMENT REPORT FOR
3257 TUMP WILKINS ROAD
STEM, NORTH CAROLINA**

Prepared for:

**Mr. Nathan Frund
Stem, North Carolina**

Prepared by:

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

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

July 28, 2022

CR #347122590

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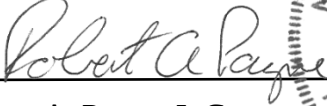
FIGURE

1	Site Map
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APPENDICES

A	Fluid Disposal Manifest
B	Photographic Documentation

I hereby certify this 28th day of July 2022 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. Nathan Frund of Stem, North Carolina to abandon in-place an underground storage tank (UST) located at 3257 Tump Wilkins Road in Stem, North Carolina. The UST was first inspected on July 5, 2022. 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. The depth to the top of the UST is approximately 18 inches below land surface (bls). The UST has a length of about 144 inches with a diameter of approximately 46 inches and a capacity of about 1,000 gallons. The UST was measured to contain approximately 234 gallons of fluid. White flagging was installed to mark the ends of the UST (see Photo 1). No other USTs on the property were discovered using a metal detector to survey along the outside perimeter of the house where USTs would usually be located. Two copper fuel delivery/return lines were observed connected to the inactive furnace in the basement. No petroleum odors or stains were observed in the basement.

Once the orientation of the UST was determined, a soil boring was performed at the eastern end of the tank using a half inch diameter drill auger. The boring was advanced to a depth of approximately 6.0 feet bls, about 0.7 feet below the bottom of the UST. A strong petroleum odor was observed in the soils at the base of the boring suggesting significant leakage from the UST has occurred. The native soils underlying the tank consist of an orange-brown sandy silt.

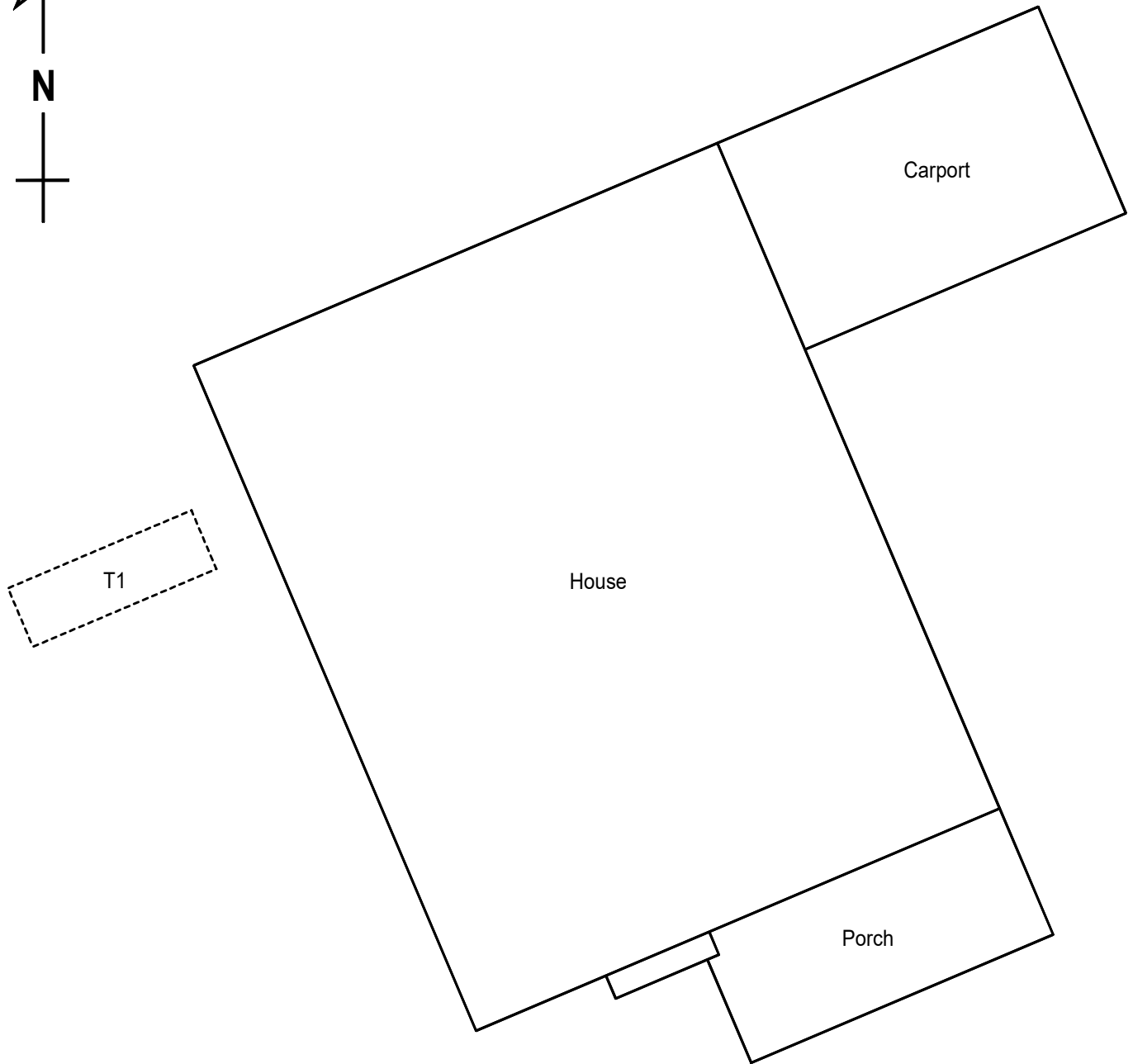
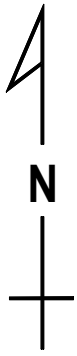
2.0 PROJECT

The in-place abandonment of the UST was performed on July 28, 2022. The abandonment consisted of the hand excavation of the soils overlying the center 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 basement area. Approximately 264 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



PROJECT: Nathan Frund Property
INCIDENT # Pending
LOCATION: 3257 Tump Wilkins Road
Stem, Granville Co.
CRE PROJECT NUMBER: 347122590

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

FILENAME: 3471-Fig1.fc7
VERSION DATE: 7/7/22

SITE MAP

FIGURE 1

APPENDIX A

FLUID DISPOSAL MANIFEST

MATERIAL MANIFEST



EMERGENCY PHONE NO.
(336) 841-5276

POST OFFICE BOX 357
HIGH POINT, NC 27261

TEL (336) 841-5276
FAX (336) 841-5509

Manifest Document No.	
Page	of
Zebra Job No. 2200440	

GENERATOR INFORMATION

Name Nathan Fremd Property		US EPA ID No.
Street Address 3257 Tump Wilkins Rd STEM N.C.	Mailing Address	Phone No. 336-684-2734
		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.	Containers Type	Total Quantity	Unit Wt./Vol.
a.	NON HAZARDOUS NOS	X	X	X	1	11	264	GAL
b.								
c.								

ADDITIONAL INFORMATION

	ERG No.	Zebra Profile Code	Facility Use
a.			
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 Josiah Payne	Signature [Signature]	Mo. / Day / Yr. 7-28-22
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TRANSPORTER INFORMATION

Transporter Zebra Environmental & Industrial Services Inc		I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.	
Address 901 East Springfield Road High Point, NC 27263		Signature [Signature]	Shipment Date 7/28/22
Transporter or EPA ID No.	NCO991302669	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) 841-5276	Signature	Delivery Date

FACILITY INFORMATION

Facility Zebra Environmental & Industrial Services, Inc.		I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.	
Address 901 East Springfield Road High Point, NC 27263		Signature	Receipt Date
Facility or EPA ID No.		Discrepancies / Routing Codes / Handling Methods	
Phone (336) 841-5276		a.	
Contact Bill Hunter		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.