

Precision Septic
Ricky Holland
554 Homestead Lane
Angier, N.C. 27501
919-639-8929

Property Address: 381 Mabry Road, Angier, NC 27501
Septic Tank Leak Test For: Michael Lyon

At your request an approved leak test was completed at the property address above. On Friday, 04/12/24, the septic tank was pumped out and the walls of the tank were hosed down using the water spigot on that side of the home. The purpose of this leak test was due to corrosion, visible aggregate, and visible wire/rebar in the septic tank construction. During the spray down of the walls and the pumping, I noticed what appeared to be sandy soil entering the tank when I was spraying the water towards midseam in one area. Once the tank was completely pumped out and as clean as possible, we removed some residual concrete that was in the tank from a previous outlet tee replacement. Then the water was left running into the septic tank while I hauled the effluent to the Cross creek wastewater treatment plant in Fayetteville. I returned to this site two hours later and at that time the water was at operating level. I measured a point in the outlet riser and noted this point of 17.25 inches at 4:00 pm. The water was cut off at the meter and I left. I returned on Saturday, 04/13/24 at 3:33 pm. The water level at that time was down to 26 inches. I cut the water back on at the meter and filled the tank back to operating level. At that time, it was 4:07 pm. I cut the water back off at the meter and left for a while trying to exhaust the one hour that I needed for the leak test. I returned at 5:07 pm and the static/operating water level was 18:25 inches. So, the water leaked one inch in that one-hour time frame.

Conclusion: This septic tank did not pass an approved tank leak test.

15A NCAC 18A .1952 SEPTIC TANK, EFFLUENT FILTER, DOSING TANK AND LIFT STATION DESIGN

(a) A septic tank or dosing tank shall be watertight, structurally sound, and not subject to excessive corrosion or decay.

The tank leak test that I performed was under the NC Septic Rules & Regulations prior to 01/01/24

The leak test under the new (2024) rules states:

15A NCAC 18E .0805 (b) (1) The operational procedures to be followed for the hydrostatic test are:

- (A) Fill tank with water to the underside of the top of the tank or, for corrugated tanks, to the bottom of the upper most corrugation that forms the top of the tank.
- (B) Allow the tank to sit for one hour;
- (C) Tank shall be approved if the water level drops less than or equal to one-eighth inch in one hour.

Sincerely,
Ricky Holland
Precision Septic
License 1098i