

DOUBLE DEUCE SEPTIC SERVICE

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NC SEPTIC PUMPING LICENSE: 01586 NC SEPTIC INSPECTION LICENSE: 80741 **Grade level IV installer:9748**

SEPTIC SYSTEM EVALUATION

Date: 15 July 2026

Report for: Gardner Reynolds

Inspection address: 5026 US Hwy 401 S Youngsville NC

Realtor: UN

Year Installed: House 1940 Septic between 1980-1998 unknown exact year



The following photo log and inspection dissertation provide visual and procedural inspection information at the time of the inspection. Please skip to the conclusion in the report to see any repairs and/or suggestions that may be recommended.

PHOTO LOG:

Location of septic tank shown



Inbound side location shown



Inbound side shown open for inspection



Outbound side location shown



Outbound side shown open for inspection



Below normal effluent level shown



Separation around inbound pipe should be resealed



No visible cracks inside of the septic tank



Location of distribution box



Distribution box open for inspection (2 lines)



Minor sludge are roots in the leach field lines



Location of leach field lines



Location of leach field lines



Location of leach field lines



Inspection Limitations

- ☐ It is not possible to inspect or to fully determine the condition of the drain field lines due to being installed below the surface dirt grade. Unable to verify all setbacks due to the property lines not being marked. Unable to verify if the system is working as intended due to the house being vacant for some time. No original permit on file with Franklin County Environmental Health Department.

System Type: Conventional Gravity– Gravity feed distribution systems are the most commonly found/used septic systems and utilizes gravity alone to pass wastewater effluent from the septic tank to the drain field.

System Design: Three Bedrooms – Load requirements have been confirmed by information determined at the site inspection. (located 225 feet of leach field lines)

Kitchen Disposal: Due to this house having a septic system, it is strongly suggested that a disposal not be used to dispose of any kitchen food waste.

Field Observations: Drain field is located in the front section of the property.

Tank location: Approximately 8 feet off the back foundation of the house.

Tank size: 1000-gallon Septic tank concrete mid-seam (Typically sized septic tank used for a system design serving Three-bedroom homes).

Water source: Well Water

Tank composition: Cement

Repair Area: A repair area for this system is not designated on the originally issued permit.

Checking with Franklin County Environmental Health Dept. will verify/indicate the area on the property reserved for a future drain field.

Description.	Good	Comments	Fair	Poor
Field View (visual only observations) grade of yard	x			
Rust / Cracks on tank interior	x			

Pump operation	NA			
Filter	NA			
Upper crust inbound*	2"	Pumped during inspection		
Upper crust outbound*	0"	Pumped during inspection		
Lower sludge inbound*	8"	Pumped during inspection		
Lower sludge outbound*	1"	Pumped during inspection		

*The Health Department recommends the combination of upper crust and lower-level sludge to be maintained less than 1/3 the total volume of the primary chamber depth and that the lower-level sludge to be more than 3 inches below the inlet to the secondary drain trap. **Preventive maintenance pumping of the septic tank is not considered necessary at this time. Maintenance pumping is recommended to be performed every three to five years.**

Observations & Recommendations:

1) The septic tank was located approximately 8 feet to the side of the house foundation. The inbound side was excavated, opened, and inspected. Accumulated solids were noted as being at an acceptable level. The inbound pipe had some separation around it and should be resealed.

2) The outbound side was excavated, opened, and inspected. Accumulated solids were noted as being at an acceptable level. The outbound side will only accumulate solids if the inbound side is saturated allowing solids to pass through the divider wall or over top of the divider wall and/or if preventative maintenance of the inbound side is not provided allowing overtime suspended solids settle out as the effluent passes through the system. Solid accumulation in the outbound side will subject the drain field to higher levels of solids and should be avoided. The concrete T outlet baffle was secured to the tank.

3) Below normal effluent levels were noted inside the septic tank. Normal water levels inside the septic tank place the water level at the invert (bottom of the drainpipe) of the outgoing drain line. This is not a fully conclusive speculation as it is not known what the occupancy rate of loading of the system has been in the house.

4) Probing for the distribution box in the known area of the drain field was successful and the a distribution box was located, opened to visually inspect. A field distribution box distributes equal volumes of wastewater effluents to the typically installed multiple individual drain field lines. There was some separation around the pipes leaving the distribution box and should be resealed.

5) The known area of the drain field (front section of the property) was walked to inspect for surface water. No evidence of prior adverse conditions of wastewater breaching the surface dirt grade was observed in the known area of the drain field at the time of the inspection. None was observed. **

6) Limit any/all drive traffic in the known area of the septic tank and drain lines. The drain field works by absorbing water in the soils as well as by some evapotranspiration. The soils beneath the drain field lines need oxygen so that the microbes in the soil can treat the effluent from the drain field. Permanent structures built/placed over a drain field can restrict the oxygen flow into the soil and will restrict the evapotranspiration process. Additionally, a big risk to placing structures over a drain field or allowing drive trafficking over the drain field is causing the lines to collapse. Also, the soil can compact around the trenches, which may not allow for percolation. Repairing the drain field or moving it may require an entirely new system depending on your

system age and the regulations for your local authority. Do not place structures or drive vehicles over the known area of the septic system/drain field.

7) Limit use of the septic system to body waste only. Disposal of female hygiene products, contraceptives and large amounts of paper products can shorten expected drain field life. Avoid installing or using a garbage disposal to dispose of food waste products as they will clog the filter which will require additional maintenance. Do not discharge the water softening system into the plumbing of the home.

8) For more information about a septic system and the responsibilities associated with it, go to the following web site:

<http://www.wakegov.com/water/wastemange/Documents/Homeowner%20System%20Maintenance.pdf>

Conclusion:

The septic system was fully evaluated at the time of the inspection. **NO Adverse** conditions were shown to be present in the system itself that require further evaluation and/or repairs to be made by a qualified contractor or subsequent observation that warrants further evaluation by the local health department**

Adverse Inspection Observations:

The following suggestions are provided in order to improve general operating efficiency of the system:

- ☐ It is suggested that risers be added for easier access to the tank.
- ☐ It is suggested that the inbound pipe and pipes leaving the distribution box be resealed.
- ☐ It is suggested that a preventative maintenance treatment of a root killer be added in the septic system to kill off any root mass intruding into the drain lines. Any products (specified for septic system use) that consist mostly of copper sulfate will kill off existing roots and prevent further root growth from growing in and around the drain lines.
- ☐ Keep the landscape at the septic field location free of large shrubs/trees and mowed. This will prevent root intrusion into the drain lines and help promote transpiration of the effluent being dispersed from the system.

Please note that suggestions are not a "required repair". Suggestions are a means to improve on the system's ability to process wastewater in the home based on more recent requirements mandated in newer system installation or as a personal safety concern alone. Inspections cannot require an older system (even if more recent repairs have been noted) to be brought up to installation standards other than what was required at the time of the original installation and/or noted repairs currently existing in the system. Suggestions are only provided so that the current service provider can be aware of ways to improve/enhance the operation of the existing system in order to extend the useful life of the system.

Adam Whitfield 7/15/2026
North Carolina Onsite Wastewater Contractor Inspector Certification Board

Disclaimer:

Because of the visual nature of this septic system, it is not possible to inspect or report on physical conditions with regard to the septic tank interior below the wastewater effluent levels if the inspection was performed without pumping of the septic tank or the drain field lines due to being installed in the sub surface dirt grade. Double Deuce Septic does not guarantee exact location of leach field lines. The inspector can only address those areas that are readily accessible at the time of the inspection. A septic system inspection is a "snapshot" of the system at the time of the inspection; it is designed to educate a buyer or seller about the system, not to replace the

obligation of a home seller to disclose known defects. Observations made may require speculation on the part of the inspector in the analysis of how the system has been provided for and what the expectations of the system may be. A septic system inspection is not a guarantee or warranty of the condition of the system; neither is it a guarantee that conditions will not change in the future. Double Deuce Septic does not make any representation to the “life expectancy” of the tank or the system. Our inspection is based on a one-time field observation and recommendation.

We recommend that appropriately licensed professionals carry out all repairs. Your real estate contract may include this as a stipulation as well. We also recommend that the buyer retain all repair work orders, receipts and guarantees for future reference. If Double Deuce Septic performs an inspection of the system after repairs are completed, the repair work orders, and receipts must be made available to the inspector at the time of the re inspection. Some repairs, such as back flushing of the septic drain lines, cannot be confirmed visually, and at times the repair receipts are the only indication of the nature and suitability of the repair. Please ensure that relevant repair receipts will be available for view by your septic system inspector during the re inspection, if asked to perform.

*This evaluation/inspection meets the requirements of the state and local environmental health service agencies with respect to required observations and/or notation of limitations present at the time of the inspection.

** Only an official of the Environmental Health Services Department can qualify a system as being failed.