PIEDMONT DESIGN ASSOCIATES, P.A.
125 East Plaza Drive | Suite #101
Mooresville, NC 28115
Phone: 704-664-7888 | Fax: 704-664-1778
Email: dmunday@pdapa.com

Engineering
Surveying
Planning

December 8, 2016

Iredell County Health Department
Environmental Health Section
610 East Center Avenue
Mooresville, NC 28115
Attn: Ben Aldridge, REHS

RE: Offsite 50% Reduction Subsurface Effluent Disposal System
170 Sagemore Road, Mooresville, Iredell County, North Carolina

Dear Ms. Garrett:

ENGINEERS CERTIFICATION

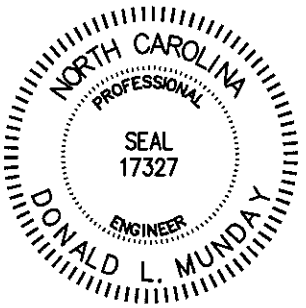
I, **Donald L. Munday**, as a duly registered Professional Engineer in the State of North Carolina, having been authorized to observe periodically the construction of the referenced project, an Offsite 50% Reduction Subsurface Effluent Disposal System; 170 Sagemore Road, located in Mooresville, Iredell County, NC, hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the approved plans and specifications.

Sincerely,

PIEDMONT DESIGN ASSOCIATES, P.A.

Donald L. Munday, P.E.
N.C. Registration No. 17327

Cc: Craig Poppe



12/08/2016

On-Site Wastewater Inspection Report (Page 1 of 2)

☑ Pre-Inspection Contract, signed by Client is attached to Inspection

Property Address 170 Saxamore Rd
Street Address

Mooresville (City) NC (State) 28117 (Zip)

Client Name Jenny Johnson - The Temple Team Date of Inspection 03-Apr-2014

Current Owner of Record

3 Advertised number of bedrooms as stated in attached sworn statement by owner or owner's representative

380 Gallons per day for designed system size or number of bedrooms as stated in available local health department information

☑ Inspection shall include any part of the system located more than 5 feet from the primary structure that is part of the operations permit

☑ Copy of Operations permit from Iredell County Environmental Health attached

☐ Operations permit not available

☐ System requires a certified subsurface water pollution control system operator pursuant to G.S. 90A-44

Current Operator's Name

Most recent performance, operation and maintenance reports are

Type of water supply: Well

Location of Septic Tank and septic tank details:

6 ft from house or structure

50 ft from well if applicable

____ ft from water line if applicable

____ ft from property line if said property lines are known or marked

18" distance from finished grade to top of tank or access riser

No Access riser(s) Description:

Tank lids intact

Tank has baffle wall: Description:

Inflow to tank is noted as:

Water level in tank is relative to tank outlet

Outlet T is present Description:

Outlet has filter Description:

Effluent leaves the outlet

Roots present in tank Description:

Evidence of tank leakage Description:

Evidence of non-permitted connections, such as downspouts or sump pumps * (Any found will be in general comments)

Connection present from house to tank

Connection present from tank to next component

____ Percentage of solids in tank Description:

Unable to locate tank. System inspection cannot be completed until tank is located

Date tank was last pumped:

Client requesting this inspection has been advised that for a complete inspection to be performed the tank needs to be pumped. Client has declined to have the tank pumped at inspection and hereby acknowledges the have so declined.

Client Signature Date

On-Site Wastewater Inspection Report (Page 2 of 2)

Property Address 170 Sassemore Rd Mooresville NC 28117

Does system have pump tank? ☐ Yes (complete blanks below) ☒ No

_____ ft from house or structure
_____ ft from well if applicable
_____ ft from water line if applicable
_____ ft from property line if said property lines are known or marked
_____ distance from finished grade to top of tank or access riser
_____ ft from septic tank
Describe condition of tank lids: _____
Description of access riser(s): _____
Location of control panel: _____

☐ ☐ Electrical connections are in place and properly grounded
☐ ☐ Audible and visible alarms (as applicable) work
☐ ☐ Pump turns on and effluent is delivered to next component
☐ Unable to operate pump due to lack of electricity at site at time of inspection

Drain field:
Type of System: ☑ Conventional ☐ Innovative
☐ Pretreatment; Type of Pretreatment: _____
Brief Description of System Type: Type II gravity system with gravel drain lines
_____ ft from property line if property lines are known or marked
_____ ft from septic/pump tank
_____ # of lines
_____ ft total linear footage of drain field

☑ Effluent is reaching the drain field
☐ Evidence of traffic over the drain field _____
☐ Vegetation, grading and drainage noted that may affect the condition of the system or system components

☐ Conditions present that prevented or hindered the inspection:

☒ Adverse conditions present that require repair, subsequent observation, or further evaluation by the local health dept.
Effluent is surfacing across the drain field
☒ Consequences of the adverse condition:
Drain lines appear to be failing. The health dept will need to evaluate the system.
☒ Client should contact Iredell County Environmental Health and/or a certified on-site wastewater contractor.

Other pertinent facts noted during inspection:

The septic tank is located under the stairs to the small deck. We were unable to access the tank to check its condition. If access is made to the tank, adding risers would be recommended to allow access in the future. The drain field itself showed heavy surfacing across a large portion of the area. The Iredell county health dept. should be contacted to determine what repairs will be needed to restore system viability.

Inspector Name: Jack Moore Certification #: 12331
Address: 1227 Troutman Dr
City: Statesville State: NC Zip: 28625 Phone #: (704) 873-2171

No representation, warranties or opinions are hereby given, written or expressed otherwise, as to the future performance of onsite wastewater system described herein. This onsite wastewater system inspection is a presentation of system facts in place on date of inspection

Inspector Signature: J. C. Moore Date 03-Apr-2014