



Allstate Septic Systems, LLP

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PA9145

SEPTIC SYSTEM INSPECTION REPORT

For
Journey Homes

At

555 Totts Gap Road, Bangor, PA 18013



February 13, 2023

Ms. Lauren Porobenski
Journey Homes
4501 Crackersport Road
Allentown, PA 18104

Septic System inspection for the property located at:

555 Totts Gap Road, Upper Mt. Bethel Township, Northampton County, Bangor, Pennsylvania

Dear Ms. Porobenski:

As requested, our company inspected the onlot wastewater treatment system at the above address on December 21, 2022. This letter will provide you with a report of the inspection and is based on preliminary information that was provided to us and our field inspection.

This inspection was performed using the Pennsylvania Septage Management Association (PSMA) and the National Onsite Foundation (NOF) Onlot Wastewater Treatment System Inspection Standards. It is an objective evaluation of the onsite wastewater treatment system's characteristics based on the experience and expertise of the inspector. Each component has been examined and evaluated which has led to the following conclusion regarding the system.

1. A 1000-gallon one compartment concrete septic tank was found. No pumping was performed at the time of the inspection. Based on this information the septic tank was found to **need more investigation**.

The grey water from the washing machine is not connected to the onlot wastewater system. Based on these findings a Hydraulic Load Test is necessary to complete a PSMA inspection.

2. The absorption area consists of three trenches approximately 3' x 40'. Trench One and Two were probed, they were found to have 12" of dry aggregate. Trench three was probed and found to have 4" of dry aggregate. No evidence of surface leachate or lush vegetation. Based on this information the absorption area was found to **need more investigation**.

We found the onlot wastewater treatment system to **need more investigation** on the date it was inspected. Corrective measures are required to bring the system into satisfactory condition. Some or all of the suggested activities may require a permit from the appropriate local regulatory authority.

Corrective Measures: Machine dig to locate the distribution box for the purpose of running a camera to determine the cause of uneven distribution to the trenches. Have a licensed plumber connect the washing machine to the Onlot System. A hydraulic load test is then necessary to complete a PSMA inspection.

Addendum on Page 3

Addendum: On January 18, 2023, Allstate Septic Systems returned to the property machine-dug down to pipe, ran camera and located the d-box. The d-box was in good condition, installed a speed leveler on one pipe and installed a port to run hydraulic load test.

A hydraulic load test and reinspection was performed on the absorption area on February 6 and 7, 2023. The absorption area initially received a volume of clean water equal to the daily volume of sewage effluent that D.E.P.'s regulations currently assign to a structure with the daily flow indicated (400 gallons). The volume selected is believed to be representative of contemporary water usage for a structure of this size (3 bedrooms) and is based on the prevailing requirements in this jurisdiction. The absorption area's original design may have been for a greater or lesser flow.

The absorption area consists of three trenches approximately 3' x 40'. On both days of the hydraulic load test before introducing the water the absorption area was probed and found to contain 0" of liquid in the aggregate as measured from the bottom of the 12" of aggregate and after introducing the water the absorption area was probed and found to contain 3" of liquid in the aggregate as measured from the bottom of the aggregate. Found no evidence of surface leachate, or lush vegetation. Based on this information the absorption area was now found to be in **satisfactory condition**.

After the hydraulic load test was completed, 1000 gallons was pumped from the septic tank. Based on this information the septic tank was now found to be in **satisfactory condition**.

We now found the onlot wastewater treatment system to be in **satisfactory condition** on the date it was inspected.

We offer the following purpose of a hydraulic load test: The hydraulic load test determines if an absorption area can satisfactory receive and allow to pass into the soil/environment the daily volume of sewage effluent that the prevailing regulatory authority assigns to a structure based on occupancy, number of bedrooms or other regulatory factors.

In the performance of this work, Allstate Septic Systems provides no warrantee express or implied, including any warranty or merchantability or fitness for purpose, or any other warranty whatsoever, that the system meets any code or specifications, or will function properly for any period of time whatsoever, or otherwise will not malfunction or cause contamination of the ground or waters of the Commonwealth of Pennsylvania. A complete checklist of all field data from this inspection is on file at our office.

Sincerely,



Bruce E. Fox
Partner



BEF/ab



Under Sink



Washer Pipe



Washer Pipe



Sewer Pipe from House



Sump Pump



Sump Pump Pipe



Water Softner



Sump Pump Box



Washer pipe -discharge onto lawn



Sump Pump discharge



Septic Tank Lid



Inlet Baffle



Outlet Baffle



Field