



SEPTIC SYSTEM EVALUATION
FOR
John Cross



64 Ludlow Ave,
Belle Mead NJ 08502
MONTGOMERY TOWNSHIP
BLOCK #3001 LOT #3

Evaluations & Troubleshooting
Certified Septic System Inspector
Certified Installer of Onsite Wastewater Treatment Systems

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NJDEP # 27973 - SW # 2541
PSMA Certification #726

Treatment Tank:					<u>Yes</u>	<u>No</u>
Type of system being inspected?						
<input checked="" type="checkbox"/> Septic tank	<input type="checkbox"/> Cesspool			Main tank lid opened for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Gray water	<input type="checkbox"/> Multi-compartment: # <u>2</u>			Liquid level below the tank's inlet invert?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name the material of the system?				Liquid level at the tank's outlet invert?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Concrete	<input type="checkbox"/> Block			Treatment tank pumped for this inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Steel	<input type="checkbox"/> Other _____			Are all portions of the tank(s) clear of structures like a deck or a driveway?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Approximate Treatment Tank Volume: 1200				Is the area clear of evidence that sewage has surfaced above the treatment tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evaluate the conditions of tank below:				Does water flow unimpeded from the Treatment Tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Satisfactory	Unsatisfactory	N/A	Is an effluent filter a part of the system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Top and Lids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, does it appear properly maintained?	<input type="checkbox"/>	<input type="checkbox"/>
Inlet baffle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are there any other types of accessory units Present?	<input type="checkbox"/>	<input type="checkbox"/>
Outlet baffle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Depth to top of tank: 12 inches		
Cracks or Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Depth to top of tank access: <u>0</u> inches		
Sewage Flow from structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Comments:						
The septic tank is a 2 piece unit.						

Absorption Area:			
Name the type of the absorption system?			
<input checked="" type="checkbox"/> disposal bed	<input type="checkbox"/> disposal trench(s)	# laterals	
<input type="checkbox"/> seepage pit	<input type="checkbox"/> mounded		
<input type="checkbox"/> cesspool	<input type="checkbox"/> Other		
Was the absorption system located?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	If no, see below.
Are inspection ports present?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	
If yes, how many? <u>5</u>			
Were the inspection ports checked?	<input checked="" type="checkbox"/> yes*	<input type="checkbox"/> no	<input type="checkbox"/> N/A *All levels observed must be included in report
Was a separate probe dug in the absorption area to confirm the observations in the inspection ports?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A
Is the area of the absorption system free of sewage odors?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	
Does sewage flow from the treatment tank to the absorption system without flowing back?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A
Is the area above or near any of the system components free from visible signs of effluent or sewage?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	
Are the areas at or near the inlet invert of any absorption area component free of visible signs of sewage or effluent?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	
Are areas above or near system components free of lush vegetation?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	
If exposed, is the distribution box in satisfactory condition?	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> N/A
If not exposed, explain why not:			
Is the area directly over any part of the absorption system free of any evidence of, large objects (cars, pools, etc.)?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A
Comments:			
All the inspection ports were located. Two ports have broken caps & adapters and need replacement. All ports were dry prior to the start of the hydraulic load test.			

Dosing or Pump Tank:	Yes	No	N/A
Does the system contain a pump tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the pump operating?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the alarm(s) on the pump work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the pump elevated above the tank floor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the lid in satisfactory condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the tank in satisfactory condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the tank free of accumulated solids?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
The plans specify a 1300 gallon single compartment tank.			

Septic System Location Sketch (Not To Scale):

See attachment

Summary:	<u>Satisfactory</u>	<u>Satisfactory with Concerns</u>	<u>Unsatisfactory</u>	<u>Requires Additional Investigation</u>	<u>N/A</u>
Condition of the treatment tank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of the distribution system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of the dosing system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of the absorption area(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Summary Comments:

Comparison with Code Requirements:

NJAC 7:9A- Standards for an individual Subsurface Sewage Disposal System, defines the criteria for recognizing malfunctioning systems at NJAC 7:9A-3.4(a). The four (4) criteria include:

1. Contamination of nearby wells or surface water bodies by sewage or effluent as indicated by the presence of fecal bacteria where the ratio of fecal coliform to fecal streptococci is 4 or greater;
2. Ponding or breakout of sewage or effluent onto the surface of the ground;
3. Seepage of sewage or effluent into portions of buildings below ground; or
4. Back-up of sewage into the building served which is not caused by a physical blockage of the internal plumbing.

Water sampling is normally performed as part of a home inspection and is not typically included with a septic inspection. Should the laboratory analysis of the water sample indicate the presence of total coliform, a second water sample should be collected and analyzed to determine if the septic system is malfunctioning as defined in item one (1) above.

The sump pump is discharging into the sump pump pit which violates NJAC 7:9 A, number two above.

Discussions & Conclusions:

The septic system is “UNSATISFACTORY”, pending the relocation of the washing machine discharge & repairs listed below.

The few minor issues should be addressed to ensure that this system continues serving the home effectively.

- *Install caps on all the inspection ports on the disposal field*

- Remove washing machine discharge from sump pump pit and connect washing machine discharge to septic system.

The system was subjected to a relatively aggressive hydraulic loading and passed the test without signs of backing up or breaking out onto the ground surface. We recommend that you have the contents of the septic tank pumped every 2 years. You should avoid placing non-biodegradable materials such as feminine hygiene products, baby wipes, cigarette butts, etc. into the system. These items do not breakdown and increase the rate of solids buildup within the tank. This results in the need to pump the septic tank more frequently to prevent solids carryover into the disposal field. We do not recommend the use of a garbage disposal in the kitchen sink for the same reason. Leaking plumbing fixtures can add a significant unnecessary hydraulic load on the septic system.

Health Department Reporting:

Note if any of the following conditions were observed during the inspection:

- 1. Ponding or breakout of sewage or effluent onto the surface of the ground
- 2. Seepage of sewage or effluent into portions of buildings below ground
- 3. Backup of sewage into the building served which is not caused by a physical blockage of the internal plumbing
- 4. Any manner of leakage observed from or into septic tanks, connecting pipes, distribution boxes and other components that are not designed to emit sewage or effluent.

Pursuant to N.J.A.C. 7:9A-3.4 notification of any observation that is consistent with a condition noted above should be reported to the local administrative authority within 24 hours of the observation. Regardless of observations made, a copy of this report should be provided to the local administrative authority within 10 days of the issuance of this report.

If encountered, describe all observed noncompliant conditions encountered during this inspection:

Washing Machine discharges into the sump pump pit.

Disclaimer:

911 Septic Pumping & Repair Inc. performs inspections in accordance with the "Technical Guidance for Inspections of Onsite Wastewater Treatment and Disposal Systems" provided by the New Jersey Department of Environmental Protection, Division of Water Quality, Bureau of Non-Point Pollution Control dated July 2003.

A NJDEP Inspection is:

- an objective evaluation of the onsite wastewater treatment system's characteristics based on the experience and expertise of a qualified inspector.
- an evaluation of each component examined leading to a conclusion about the system's condition.

A NJDEP Inspection is not:

- a warranty or guarantee that the system will properly function for any period of time in the future.
- a result that is certified or endorsed by the State of New Jersey or its related regulatory or governing agencies.
- an assurance that the soil is adequately treating or will adequately treat effluent.

Based on today's observations and the information provided by the owner(s) or their agent, 911 Septic Pumping & Repair Inc. submits this sub-surface sewage disposal system inspection report. The inspection is based on the current condition of the onsite sewage disposal system. 911 Septic Pumping & Repair Inc. makes no representation that the system was designed, installed, or meets NJAC 7:9A-1.1 et. seq. 911 Septic Pumping & Repair Inc. has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period of time. Because of numerous factors (usage, soil type, installation, maintenance, etc.) which affect the proper operation of a sub-surface disposal system, as well as the inability of 911 Septic Pumping & Repair Inc. to supervise or monitor the use and maintenance of the system, this report shall not be construed as a warranty by 911 Septic Pumping & Repair Inc. that the system will function properly for anyone. 911 Septic Pumping & Repair Inc. disclaims any warranty, either expressed or implied, arising from this inspection of the septic system.

Signature: _____ **Date:** _____

Printed Name: John Shockley
PSMA Certified Inspector

