Paul J Chappin

License No. SS 1007151

Chappin Certified Septic Operators

Statesville, NC

Subsurface Wastewater System Inspection Report

Name and Mailing Address of Operator		Name and Mailing Address of Owner	
Paul J. Chappin, License No. SS 1007151 521 Virginia Ave. Statesville, NC 28677		Herbert Lee 754 Boulder Place Statesville, NC 28625	
Phone #	C: 704-881-4625 H: 704-878-2250	**Phone #**	C: 336-466-8193 H:
Physical Address of System		**Date/Time of Insp.**	4/20/24 9:00 AM
Same as mailing address.		**Last Inspection Date**	11/4/2023
		System Type	IV
		Inspection Type	Biannual
County	Iredell	**Compliance Status**	Compliant
Parcel Identification Number	4754444978.000	**Copies**	Owner and ICHD

✓ = Satisfactory **M** = Marginal **X** = Unsatisfactory **N** = Not Evaluated **NA** = Not Applicable

Septic Tank		Pump Tank	
Tank risers are accessible?	X	Tank risers are accessible?	✓
Risers are ≥ 6" above grade?	X	Risers are ≥ 6" above grade?	✓
Risers are free of cracks or visible damage?	NA	Risers are free of cracks or visible damage?	✓
Risers are free of external water infiltration?	NA	Risers are free of external water infiltration?	✓
Musty, earthy odors present?	NA	Musty, earthy odors present?	✓
Liquid level is even with base of outlet pipe?	NA	Pump is present and working?	✓
Baffle/tee for outlet is intact?	NA	Floats are in good condition?	✓
Baffle/tee for outlet is above the scum layer?	NA	Pipes, valves, disconnects and electrical are sound?	✓
Baffle/tee for outlet is free of clogs?	NA	Control/electrical panel is sound?	✓
Scum layer is > 3" from the baffle/tee outlet?	NA	High water alarm is present?	✓
Sludge layer > 9" from the baffle/tee outlet?	NA	Effluent is clear and free of solids?	✓
Scum layer depth (in).	NA	Scum layer depth (in).	0
Liquid depth (in).	NA	Liquid depth (in).	22
Sludge layer depth (in).	NA	Sludge layer depth (in).	5
Total depth (in).	0	Total depth (in).	27
Scum & sludge depth ≤ 33% of total depth?	#VALUE!	Scum & sludge depth ≤ 33% of total depth?	19%
Tank in need of pumping?	**No**	Tank in need of pumping?	**No**

Site and Drain Field Assessment	
Surface water runoff is being diverted from tanks?	✓
Surface water runoff being diverted from drain field?	✓
Site/drain field is void of surface water settling?	✓
No signs of unequal drain field distribution?	✓
No evidence of effluent surfacing?	✓
Trees are not present in the drain field?	✓
Appropriate vegetation is being maintained?	✓
Drain field is safe from traffic/destructive uses?	✓
Turn-ups are intact and accessible?	✓
Cleanouts are intact and accessible?	✓
Valves are intact and accessible?	✓
Laterals are free of solids, flushed as needed?	Yes
Pressure head was adjusted during visit?	Yes
If adjusted, set to what head?	2'

Pump Efficiency Test	
Tank length (ft).	7.75
Tank width (ft).	4.50
Starting level from riser (in).	55.50
Ending level from riser (in).	59.25
Total drop (ft).	0.31
Volume (ft3).	10.90
Volume (gal).	81.52
Pump run time (sec).	150
Flow rate in (gpm).	32.61
Design flow (gpm).	30
% Efficiency.	109%

Comments

No risers are currently installed on the septic tank. Septic tank will be excavated during next visit. Floats were tested. Water was added to the pump tank to flush the field lines and perform a pump draw down. Flush was conducted and pressure was adjusted to 2' on all four lines. Pump control chart was updated.