22003

Timothy K. Barbee
1421 Hickory Woods Drive Monroe, NC 28112
704-589-0595

Mr. Bradley Hallman
Mecklenburg County Environmental Health
700 North Tryon Street, Suite 208
Charlotte, NC 28202

December 6, 2016

RE: Joy Church, Matthews, NC

Dear Mr. Hallman:

I have continued my Operation and Maintenance Agreement with Joy Church, 11516 Idlewild Road, Matthews, NC 28105, for their septic system. I performed the regularly scheduled inspection on November 18th and offer the following:

Tank risers are visible and accessible from above grade: No noticeable settling or erosion issues around any tanks. Ground cover is good and all grass areas are being kept at a good height.
Inlet end of septic tank has a thin layer of scum and no measureable sludge: lots of paper products present in inlet end, but not a solid layer.
Joy Church had the tank pumped this past summer.
Discharge end of tank: cleaned effluent filter: no visible sludge or scum present.

Pump tank: high-level alarm float is working and reports to the control panel. Ran the pump in manual mode: Pump ran well and settings on the pressure manifold look good. System is a flow-equalization system and is time-based on dosing: Control panel report was as follows:
Pump on-time per dose, 5 minutes, 00 seconds: Pump off time is 7 hours, 55 minutes, 00 seconds.
So pump doses 3 times a day if level calls for it.
Elapsed Time meter: 213 hours, 51 minutes: Cycle Counter is at 3373.
Timer Over-ride count: 1302 total. This is a slight increase over the last inspection in April, but it also means that the dosing rate is primarily handling the total usage.
The drainfield is dry and the grass cover looks really thick and is being kept at a good height. The drainfield feeder pipe that had a slow leak has been repaired by the company that pumped the tank.
High-water alarm count is at 6, which is one higher than the last inspection.

System appears to be working well and as designed. Please contact me if you have any questions. Thank you.

Tim Barbee
SS Level I Operator #993958
704-589-0595

CC: Ms. Cindy Augustine, Joy Church.

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December 6, 2016

RE: Macey Residence

Mr. Hallman: I have maintained the Operation and Maintenance Agreement with the Macey's, 4001 Cherrybrook Drive, Mint Hill, NC 28227, for their septic system. I performed the regularly scheduled spring inspection on November 18th and offer the following:

Tank risers are visible and accessible from above grade: No noticeable settling or erosion issues around any tanks. Ground cover is good and all grass areas are being kept at a good height.
Inlet end of septic tank has a thin layer of scum about no measureable amount sludge.
Discharge end of tank: cleaned effluent filter: no measureable sludge or scum present.

Pump tank: high-level alarm float is working and reports to the control panel. Audio and Visual alarms are working. Ran the pump in manual mode by lifting the float: pump is dosing and shut off on float position.
Inspected the drainfield and no signs of erosion, ponding, etc.
Flushed all four lines: small leak around valve on line #3. Will need to be checked next visit and when it gets worse, a repair will be needed.
Grass cover over field is being nicely maintained.

System appears to be working well and as designed. Please contact me if you have any questions. Thank you.

Tim Barbee
SS Level I Operator #993958
704-589-0595

CC: Mrs. Sarah Macey