

**OVER 50 YEARS OF SERVING NORTHWEST ILLINOIS**

**BILL GEORGE PLUMBING**

705 Brad Mar Drive  
Freeport, IL 61032

Phone 815-232-5378  
Fax 815-235-4587

July 18, 2023

Steven Switzer Estate  
11734 N. Showers Rd  
Orangeville, IL 61060

**RE: 11734 North Showers Road, Orangeville, Illinois 61060**

A surface only inspection of the septic system at 11734 N. Showers Rd., Orangeville, IL was completed on June 29, 2023 at the request of Jon and Nancy Whitney.

The septic tank is located west of the house with the drain field running south west. The lid is exposed and the bacteria bed is below the inlet as it should be; the baffle is in the correct position.

At the time of inspection, the system appeared to be functioning properly with no evidence of weepage or percolation. Complete information concerning the exact size of the tank and exact length and location of the drain field and dates of installation and/or additions, should be on file at the Stephenson County Health Department.

We recommend that all septic tanks be pumped every two to five years depending on the number of occupants in the home and that sellers inform prospective buyers as to when last pumped.

At the same time, a water sample was drawn from the well and tested for coliform bacteria, fecal coliform, and nitrates. Following chlorination and the installation of a Reverse Osmosis System, the results meet the regulatory requirements as set forth by the Illinois State Department of Public Health. Information regarding their criteria for results can be obtained by writing them at 525 W. Jefferson St., Third Floor in Springfield, IL 62709.

The well is east of the house and is raised and sealed.

Enclosed are test results from Lyons Lab as well as our bill for work requested.

If you have any questions, please call.

*Kyle D. Williams (jg)*

Kyle D. Williams d/b/a Bill George Plumbing  
Illinois Contractor License #055-009062  
Illinois Plumbing License #058-189846  
Illinois Sewage Contractor License #049-805963  
Illinois Water Well Pump Contractor License #101-815379

# LYONS LAB

9795 U.S. Route 20 East • Stockton, IL 61085 \* 815-947-3360

Bill George  
 Bill George Plumbing & Heating  
 705 Brad Mar  
 FREEPORT, IL 61032

Home Owner Estate of Steven A Switzer  
 Well ID/Address 11734 N. Showers Rd  
 Well City ORANGEVILLE, IL 61060  
 Sample Location OUTSIDE FAUCET  
 Lab # 29778  
 Collected By/Date Bill 6/29/2023

Report Date 30-Jun-23

Analyte	Result	Units	LOD	LOQ	Dil	Dig	Date	Run Date	Mthd	Analyst	QC Code
Inorganic											
General											
Nitrate Nitrogen	14.4	mg/l	0.1	0.31	1		6/29/2023	4500F	SNL		1
NITRATE (as NO3+NO2)...Maximum Contaminant Limit - 10 mg/L (ppm). A level of 10 mg/L is considered too high for infant consumption per EPA standards.											
Organic											
Coliform and E-coli Bacteria											
Coliform	53.1	CFU	1	1	1		6/30/2023	23 Colert	SNL		1
COLIFORM BACTERIA (Quanti Tray)... Coliform bacteria are very common in the open environment. They can be found in the soil and in surface water. However, any detection of coliform bacteria colonies in drinking water is unnatural. RESULT: Coliform bacteria were PRESENT in this sample. Coliform bacteria usually indicate a problem with the plumbing, well, or a contaminated water supply. We recommend finding an alternate source of water until the problem can be rectified.											
E-coli	1.0	CFU	1	1	1		6/30/2023	23 Colert	SNL		1
E-COLI BACTERIA - Found in human and animal waste. The presence of E-coli is an indication of septic contamination, barnyard runoff, or another direct source of waste entering the drinking water system. RESULT - PRESENT - E coli bacteria were detected in this sample.											

LOD Limit of Detection

None Detected = Result was less than the LOD

LOQ Limit of Quantitation

Code	Comment
1	All laboratory QC requirements were met for this sample.

Laboratory Director

Shawn Lyons

Please visit our website [www.lyons4water.com](http://www.lyons4water.com)

IEPA-IDPH # 17589 WI DNR Certification # 105010109 FDA # 17-B-00141

# LYONS LAB

9795 U.S. Route 20 East • Stockton, IL 61085 \* 815-947-3360

Bill George  
 Bill George Plumbing & Heating  
 705 Brad Mar  
 FREEPORT, IL 61032

Home Owner Estate Steven Switzer  
 Well ID/Address 11734 N Showers Rd  
 Well City ORANGEVILLE, IL 61060  
 Sample Location PRESSURE TANK  
 Lab # 29857  
 Collected By/Date Bill G 7/12/2023

Report Date 13-Jul-23

Analyte	Result	Units	LOD	LOQ	Dil	Dig	Date	Run Date	Mthd	Analyst	QC Code
Organic											
Coliform and E-coli Bacteria											
Coliform	0	CFU	1	1	1		7/13/2023	23 Colert	SNL		1
<p>COLIFORM BACTERIA..Coliform bacteria are very common in the open environment. They can be found in the soil and in surface water. However, any detection of coliform bacteria colonies in drinking water is unnatural.</p> <p>RESULT - Coliform bacteria were ABSENT in this sample. No Coliform bacteria were found in this sample.</p>											
E-coli	0	CFU	1	1	1		7/13/2023	23 Colert	SNL		1
<p>E-COLI BACTERIA - Found in human and animal waste. The presence of E-coli is an indication of septic contamination, barnyard runoff, or another direct source of waste entering the drinking water system.</p> <p>RESULT- ABSENT - No E-coli bacteria were detected in this sample.</p>											

LOD Limit of Detection

None Detected = Result was less than the LOD

LOQ Limit of Quantitation

Code	Comment
1	All laboratory QC requirements were met for this sample.

Laboratory Director

Shawn Lyons

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# LYONS LAB

9795 U.S. Route 20 East • Stockton, IL 61085 \* 815-947-3360

Bill George  
 Bill George Plumbing & Heating  
 705 Brad Mar  
 FREEPORT, IL 61032

Home Owner Steve Switer  
 Well ID/Address 11734 N Showers Rd  
 Well City ORANGEVILLE, IL 61060  
 Sample Location KITCHEN TAP  
 Lab # 29888  
 Collected By/Date Bill G 7/17/2023

Report Date 17-Jul-23

Analyte	Result	Units	LOD	LOQ	Dil	Dig	Date	Run Date	Mthd	Analyst	QC Code
Inorganic General Nitrate Nitrogen	0.2	mg/l	0.1	0.31	1		7/17/2023	4500F	SNL		1
NITRATE (as NO3+NO2)...Maximum Contaminant Limit - 10 mg/L (ppm). A level of 10 mg/L is considered too high for infant consumption per EPA standards.											

LOD Limit of Detection

None Detected = Result was less than the LOD

LOQ Limit of Quantitation

**Code**      **Comment**

1      All laboratory QC requirements were met for this sample.

Laboratory Director

Shawn Lyons

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