MINNESOTA POLLUTION CONTROL AGENCY
520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions: **Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance.** Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf.

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 3502920130053 Reason for Inspection Sale of property

Local regulatory authority info: Washington County

Property address: 16650 UPPER 5TH ST N, CITY OF LAKELAND

Owner/representative: Roger Nelson Owner's phone: 651-436-8616

Brief system description: System replaced in 2011. Two septic tanks (1500 & 1000) with 1000 pump tank going to pressure bed.

System status

System status on date (mm/dd/yyyy): 6/16/2023

☒ **Compliant – Certificate of compliance***

*(**Valid for 3 years from report date** unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)*

Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.

☐ **Noncompliant – Notice of noncompliance**

Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.

An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.

Reason(s) for noncompliance (check all applicable)

- ☐ Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- ☐ Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- ☐ Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- ☐ Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- ☐ System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- ☐ Soil separation (Compliance component #5) – *Failing to protect groundwater*
- ☐ Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

Comments or recommendations

Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

***By typing my name below**, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.*

Business name: SS Septic Solutions, LLC Certification number: 9917

Inspector signature: *(This document has been electronically signed)* License number: 4137

Phone: 651-343-9117

Necessary or locally required supporting documentation (must be attached)

☐ Soil observation logs ☐ System/As-Built ☐ Locally required forms ☐ Tank Integrity Assessment ☐ Operating Permit

☐ Other information (list):

Property Address: 16650 UPPER 5TH ST N, CITY OF LAKELAND

Business Name: SS Septic Solutions, LLC Date: 6/16/2023

1. Impact on public health – Compliance component #1 of 5

Compliance criteria:	
System discharges sewage to the ground surface	☐ Yes* ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes* ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes* ☒ No

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Describe verification methods and results:

Attached supporting documentation:

☐ Other:

☐ Not applicable

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:	
System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	☐ Yes* ☒ No
Sewage tank(s) leak below their designed operating depth?	☐ Yes* ☒ No
If yes, which sewage tank(s) leaks:	

Any "yes" answer above indicates the system is failing to protect groundwater.

Describe verification methods and results:

Attached supporting documentation:

☒ Empty tank(s) viewed by inspector

Name of maintenance business: Meyers

License number of maintenance business:

Date of maintenance: 6/16/2023

☐ Existing tank integrity assessment (Attach)

Date of maintenance (mm/dd/yyyy): (must be within three years)

(See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))

☐ Tank is Noncompliant (pumping not necessary – explain below)

☐ Other:

Property Address: 16650 UPPER 5TH ST N, CITY OF LAKELAND

Business Name: SS Septic Solutions, LLC Date: 6/16/2023

3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

☐ Yes* ☒ No ☐ Unknown

3b. Other issues *(electrical hazards, etc.)* to immediately and adversely impact public health or safety? ☐ Yes* ☒ No ☐ Unknown

Yes to 3a or 3b - System is an imminent threat to public health and safety.

3c. System is non-protective of ground water for other conditions as determined by inspector? ☐ Yes* ☒ No

3d. System not abandoned in accordance with Minn. R. 7080.2500? ☐ Yes* ☒ No

Yes to 3c or 3d - System is failing to protect groundwater.

Describe verification methods and results:

Attached supporting documentation: ☐ Not applicable ☐ _____

4. Operating permit and nitrogen BMP* – Compliance component #4 of 5 ☒ Not applicable

Is the system operated under an Operating Permit? ☐ Yes ☐ No **If "yes", A below is required**

Is the system required to employ a Nitrogen BMP specified in the system design? ☐ Yes ☐ No **If "yes", B below is required**

BMP = Best Management Practice(s) specified in the system design

If the answer to both questions is "no", this section does not need to be completed.

Compliance criteria:

a. Have the operating permit requirements been met? ☐ Yes ☐ No

b. Is the required nitrogen BMP in place and properly functioning? ☐ Yes ☐ No

Any "no" answer indicates noncompliance.

Describe verification methods and results:

Attached supporting documentation: ☐ Operating permit (Attach) ☐

Property Address: 16650 UPPER 5TH ST N, CITY OF LAKELAND

Business Name: SS Septic Solutions, LLC Date: 6/16/2023

5. Soil separation – Compliance component #5 of 5

Date of installation 12/21/2011 *(mm/dd/yyyy)* ☐ Unknown

Shoreland/Wellhead protection/Food beverage lodging? ☐ Yes ☒ No

Attached supporting documentation:

☐ Soil observation logs completed for the report

☒ Two previous verifications of required vertical separation

☐ Not applicable (No soil treatment area)

☐ _____

Compliance criteria (select one):

5a. *For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment:* Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No*
5b. *Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:* Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	☒ Yes ☐ No*
5c. *"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080. 2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day)* Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No*

Indicate depths or elevations

A. Bottom of distribution media	3'
B. Periodically saturated soil/bedrock	6' 6"
C. System separation	3' 3"
D. Required compliance separation*	3'

*May be reduced up to 15 percent if allowed by Local Ordinance.

Any "no" answer above indicates the system is failing to protect groundwater.

Describe verification methods and results:

Upgrade requirements: *(Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.*

Log Of Soil Borings

Location of Project:	16650 Upper 5th St N, Lakeland, MN 55043		
Borings Made By:	Midwest Soil Testing	Date:	12/1/10
Auger Used:	Hand/Bucket	Classification System:	USDA

Boring Number:	1	Boring Number:	
Surface Elevation of Boring	95.80' Benchmark = 100.00' Bottom of Siding	Surface Elevation of Boring	

Depth In Inches	Soils Encountered	Depth In Inches	Soils Encountered
0-18	10YR 2/1 Silt Loam		
18-36	7.5YR 2.5/3 Loamy Sand With Gravel & Cobbles		
36-80	7.5YR3/4 & 7.5YR4/4 Medium-Coarse Sand With Gravel & Cobbles		

End Of Boring At:	80"	End Of Boring At:	
Mottled Soil Present At:	None	Mottled Soil Present At:	
Standing Water Present At:	None	Standing Water Present At:	

Boring Number:		Boring Number:	
Surface Elevation of Boring		Surface Elevation of Boring	

Depth In Inches	Soils Encountered	Depth In Inches	Soils Encountered

End Of Boring At:		End Of Boring At:	
Mottled Soil Present At:		Mottled Soil Present At:	
Standing Water Present At:		Standing Water Present At:	

Subsurface Sewage Treatment Systems

Non-transferable

License

License # L2896

Date of Issuance:	Dec 15, 2009
Maintainer License Expires:	Dec 22, 2010
Installer License Expires:	Dec 22, 2010
Inspector License Expires:	Dec 22, 2010
Designer License Expires:	Dec 22, 2010

Inspect Minnesota, Midwest Soil Testing

Designated Certified Individual (DCI)	Certification Type	Certification Expires
Brian L. Humpal	Inspector (Certified)	10/15/2011
Brian L. Humpal	Maintainer (Certified)	10/15/2011
Brian L. Humpal	Installer (Certified)	10/15/2011
Brian L. Humpal	Designer (Certified)	10/15/2011

SOILS + DESIGN
BY BRIAN HUMPAL

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Steven Giddings, Manager
Environmental Business Assistance Section

Washington County

Department of Public Health and Environment
14949 62nd Street North PO Box 6
Stillwater MN 55082-0006
Office: 651-430-6655 TTY: 651-430-6246 Fax: 651-430-6730

Review Fee:	$280.00
Permit Fee:	$290.00
Total Fee:	**$570.00**
Previous Payments	**$570.00**
Balance Due	**$0.00**

Community: Lakeland
Permit Number: 1900-10-6
Owner: Roger & Elizabeth Nelson
16650 Upper 5th ST
Lakeland MN 55043-
Applicant: Capra's Utilities Inc

1900-10-6

PERMISSION IS HEREBY GRANTED

To execute the work specified in this permit on the following identified property upon express condition that said persons and their agents and employees shall conform in all respects to the provisions of Ordinance #179, Washington County Development Code, Chapter Four, Subsurface Sewage Treatment System Regulations. This permit may be revoked at any time upon violation of any of the provisions of said ordinance.

Project Address: 16650 Upper 5th ST
Geo Code: 35-029-20-13-0028
Designer: Inspect Minnesota, Midwest Soil Testing

Type of System: Pressure Bed

Design Criteria		Bed Sizing		
Percolation Rate:	1	Square Feet:	769	
Depth To Restriction:	78	Rock Bed Width:	20	Feet
Land Slope:	1.00%	Rock Bed Length:	39	Feet
Flow Rate:	600	Depth of Rock:	12	Inches
Number of Bedrooms:	4	Bed Depth Maximum:	44	Inches
		Bed Depth Minimum:	12	Inches

Tank Sizes

Tank 1: 1500 Tank 2: 1000 Tank 3: 0 Lift Station: 1000

Pressure Distribution		
Number Of Laterals:	6	
Perforation Spacing:	3	Feet
Perforation Diameter:	7/32	Inch
Head Size:	1.0	Inch
Total Head:	15.05	
Connection:	End	
Length of Laterals:	37	Feet
Perforations / Lateral:	13	
Total Perforations:	78	
Gallons Per Minute:	43.68	
Lateral Diameter:	1.5	Inches

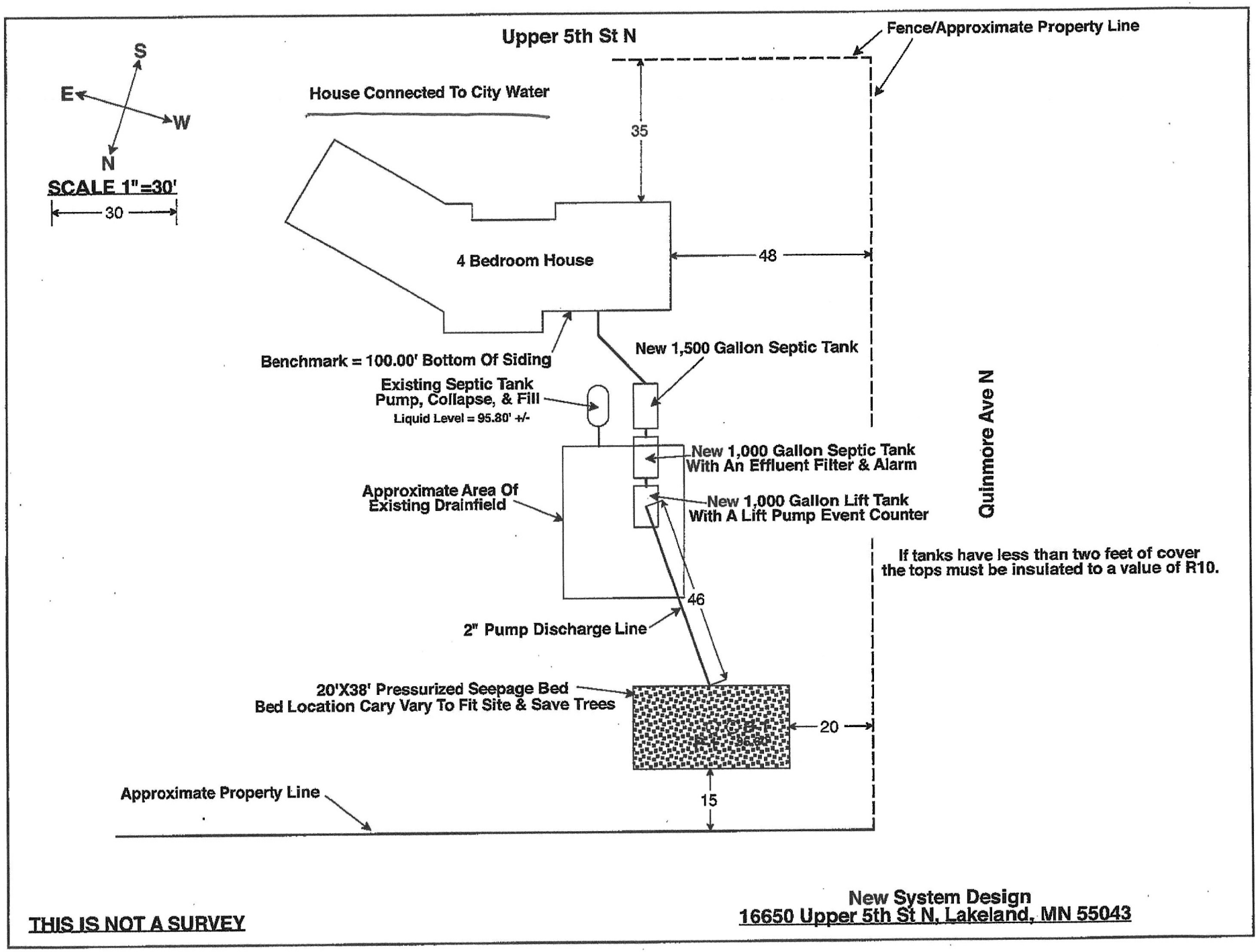
Authorized Work/Special Conditions

1. Building sewer can be no closer than 20 feet from well and must be pressure tested Schedule 40 within 50 feet.
2. Domestic strength waste only. Industrial waste and hazardous wastes cannot enter the septic system.
3. Effluent Filter with Alarm Required
4. Establish a vegetative cover over the soil treatment area within 30 days of the installation. Protect the soil treatment area from erosion until the vegetative cover is established.
5. Install individual sewage treatment system as per approved design in area tested and shown on the site plan.
6. Maximum trench depth 42 inches into natural soil.
7. Pressurized laterals can be no further apart than 36 inches and require accessible cleanouts at the end of each lateral.
8. This system must be installed by a certified/licensed sewage treatment system installer holding a current license with the Minnesota Pollution Control Agency. (A list of installers is available at your request.)

2nd Signature

Permit Issue Date: 12 21 2010
Permit Expiration Date: ecember 21, 2011

Christopher W. LeClair, REHS
Senior Environmental Specialist


Upper 5th St N
Fence/Approximate Property Line
S
E
W
N
SCALE 1"=30'
30
House Connected To City Water
35
4 Bedroom House
48
Benchmark = 100.00' Bottom Of Siding
New 1,500 Gallon Septic Tank
Existing Septic Tank
Pump, Collapse, & Fill
Liquid Level = 95.80' +/-
New 1,000 Gallon Septic Tank
With An Effluent Filter & Alarm
Approximate Area Of
Existing Drainfield
New 1,000 Gallon Lift Tank
With A Lift Pump Event Counter
Quinmore Ave N
If tanks have less than two feet of cover
the tops must be insulated to a value of R10.
46
2" Pump Discharge Line
20'X38' Pressurized Seepage Bed
Bed Location Cary Vary To Fit Site & Save Trees
20
15
Approximate Property Line
THIS IS NOT A SURVEY
New System Design
16650 Upper 5th St N, Lakeland, MN 55043

SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to the numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system. The report shall not be construed as a warranty that the system will properly function for any particular period of time.
2. Minimum compliance inspection requirements relative to this inspection and this report include only verification that the septic system has a watertight septic tank(s) and lift tank, the required separation from the bottom of the drain field/mound distribution medium and saturated soils, no backup of sewage into the dwelling and no discharge of sewage onto the ground surface or surface water. SS Septic Solutions, LLC does not inspect basement sewage ejector pumps or exterior lift pumps as they are a maintenance item. Sewage backup verification is limited to the information supplied by the last occupants/owner if available. I can not guarantee that the information given to me is accurate. Some people may attempt to hide or conceal signs of previous backups.
3. Certification of this system does not warranty any future use beyond the date of inspection. Any system new or old can be hydraulically overloaded because of more people moving into the house than were previously occupying it, improper maintenance, heavy usage, tree roots, freezing conditions or surface drainage problems. The system could simply stop working due to age.
4. A compliance inspection is not meant to be a test of the longevity of the septic system. The inspection is strictly for the purpose of determining if the septic is polluting the environment at the date and time the inspection is performed. The inspection is not intended to determine if the system was originally designed or installed to past or present MPCA or local unit of government code requirements.
5. Winter Work – Client understand that inspections conducted in winter weather conditions are more difficult to perform due to snow cover and frost. Septic system components like tanks, tank covers, drop boxes and soil treatment areas are more difficult to locate in these conditions. Soil borings and drain field locations are also more difficult to perform due to ground frost. The client needs to understand that due to the weather conditions, the same level of standards may not be possible compared to an inspection during the spring/summer/fall months.
6. If hired to perform the compliance inspection, the client hereby agrees that SS Septic Solutions, LLC will not be responsible for any monetary damages, claims or causes of action including attorney fees arising from the performance of this inspection.

Water Laboratories Inc.

333 Main Street NW
P.O. Box 388
Elk River, MN 55330
Phone: 763-441-7509
Fax: 763-441-9176

DRINKING WATER LABORATORY TEST REPORT

Last Name: NELSON
First Name: ROGER
Address: 16650 UPPER 5TH ST N
City: LAKELAND
State: MN Zip Code:
County:
Legal:

File #: 79969
Date/Time in Lab: 6/16/2023 9:56 AM
Unique Well #:
Drillers #:

Ordered By: SS SEPTIC SOLUTIONS
Sampled By: SS SEPTIC SOLUTIONS
Reason For Test: Coliform + Nitrate + Arsenic + Lead
Received on Ice: No

Sampled From: Laundry Tap
Date/Time Sampled: 06/15/2023 1240
Sample Temp: 20.6 ° C

ANALYTE & METHOD	DATE & TIME OF ANALYSIS	MAXIMUM CONTAMINATION LEVEL (EPA)	TEST RESULTS
Coliform Bacteria (SM 9223 B)	06/16/2023 1500	Negative	Negative
E. coli Bacteria (SM 9223 B)	06/16/2023 1500	Negative	Negative
Nitrate + Nitrite (EPA 353.2 Rev 2.0)	06/16/2023 1319	10.0 ppm	5.13 ppm
Nitrate (EPA 353.2 Rev 2.0)	06/16/2023 1319	10.0 ppm	5.13 ppm
Nitrite (EPA 353.2 Rev 2.0)	06/16/2023 1357	1.0 ppm	< 0.5 ppm
Arsenic (EPA 200.9 Rev 2.2)	06/20/2023 1205	10.0 µg/L	< 2.0 µg/L
Lead (SM 3113 B-99)	06/19/2023 1119	15.0 µg/L	8.59 µg/L

This sample **DOES** meet EPA guidelines for safe drinking water for the Analytes tested.

Notes:

The test results are only indicative of the sample tested from the sample point on the date collected.

Minnesota Certification# 027-141-110, Wisconsin Certification #399044470 (for compliance with NR812)

Water Laboratories, Inc.

By: _____

Date: 06/20/2023

Received By EK Entered By TJ Edited By TJ

Amount Billed:
Date Paid: 06/16/2023
Amount Paid: