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: 3503120220029 Reason for Inspection Transfer of deed

Local regulatory authority info: Washington County

Property address: 12915 OZARK TRL N

Owner/representative: BARNUM MARTHA J Owner's phone:

Brief system description: 2019 replacement system. 2-1000 gallon septic tanks 1000 pump tank to 10' x 45' mound

System status

System status on date (mm/dd/yyyy): 7/10/2024

☒ **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: Shelley Schlomka License number: 4137

(This document has been electronically signed) 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: 12915 OZARK TRL N

Business Name: SS Septic Solutions, LLC. Date: 7/10/2024

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: Pinky's

License number of maintenance business:

Date of maintenance: 7/10/2024

☐ 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: 12915 OZARK TRL N

Business Name: SS Septic Solutions, LLC. Date: 7/10/2024

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: 12915 OZARK TRL N

Business Name: SS Septic Solutions, LLC. Date: 7/10/2024

5. Soil separation – Compliance component #5 of 5

Date of installation 05/23/2019 *(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	+2.5'
B. Periodically saturated soil/bedrock	6"
C. System separation	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:	12915 Ozark Trail N, May Twp, MN 55082		
Borings Made By:	Midwest Soil Testing	Date:	6/28/17
Auger Used:	Hand/Bucket	Classification System:	USDA

Boring Number:	1	Boring Number:	2
Surface Elevation of Boring	98.30' Benchmark = 100.00' at screw in base of power pole	Surface Elevation of Boring	98.60'

Depth In Inches	Soils Encountered
0-7	10YR 2/2 Loam
7-25	10YR 4/3 Fine Sand Loam With 7.5YR 5/8 & 10YR 6/2 Redox
25-36	10YR 4/3 Fine Sandy Loam With 7.5YR 5/8, 2.5YR 4/8, & 10YR 7/1 Redox

Depth In Inches	Soils Encountered
0-12	7.5YR 2.5/2 Sandy Loam
12-16	10YR 3/3 Sandy Loam With Gravel ≈25% Rock Fragments
16-22	10YR 3/4 Loamy Sand With Gravel ≥50% Rock Fragments Refusal At 22"

End Of Boring At:	36"	End Of Boring At:	22"
Redox Present At:	7"/97.72'	50% Rock Present At:	16"/97.27'
Standing Water Present At:	None	Standing Water Present At:	None

Boring Number:	3	Boring Number:	4
Surface Elevation of Boring	98.60'	Surface Elevation of Boring	98.30'

Depth In Inches	Soils Encountered
0-7	7.5YR 2.5/2 Sandy Loam
7-15	7.5YR 3/3 Loamy Sand
15-20	7.5YR 3/3 Loamy Sand With 7.5YR 5/8 Redox Refusal At 20"

Depth In Inches	Soils Encountered
0-11	7.5YR 2.5/2 Medium Sand
11-36	10YR 4/2 Loamy Fine Sand With 10YR 6/1, 5YR 5/8, & 7.5YR 5/8 Redox

End Of Boring At:	20"	End Of Boring At:	36"
Redox Present At:	15"/97.35'	Redox Present At:	11"/97.38'
Standing Water Present At:	None	Standing Water Present At:	None

Log Of Soil Borings

Location of Project:	12915 Ozark Trail N, May Twp, MN 55082		
Borings Made By:	Midwest Soil Testing	Date:	10/15/19
Auger Used:	Hand/Bucket	Classification System:	USDA

Boring Number:	Pit 1	Boring Number:	
Surface Elevation of Boring	99 Benchmark = 100.00' at screw in base of power pole	Surface Elevation of Boring	

Depth In Inches	Soils Encountered	Depth In Inches	Soils Encountered
0-10 10-44	10YR 2/2 Loam Prismatic/Weak 10YR 3/4 Sandy Loam Prismatic/Weak ≈ 30% Rock Fragments With 5YR5/8, 7.5YR5/8, & 10YR 6/2 Redox		

End Of Boring At:	36"	End Of Boring At:	
Redox Present At:	10"/98.17'	50% Rock 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:	
Redox Present At:		Redox Present At:	
Standing Water Present At:		Standing Water Present At:	

Design Summary Page

MINNESOTA POLLUTION CONTROL AGENCY

Project ID:

At-Grade:

Bed Width	ft	Bed Length	ft	Finished Height	ft
Contour Loading Rate	gal/ft	Upslope Berm	ft	Downslope Berm	ft
Endslope Berm	ft	System Length	ft	System Width	ft

Level & Equal Pressure Distribution

No. of Laterals	3	Perforation Spacing	3 ft	Perforation Diameter	7/32 in
Lateral Diameter	1.50 in	Min Dose Volume	57 gal	Max Dose Volume	113 gal

Non-Level and Unequal Pressure Distribution

	Elevation (ft)	Pipe Size (in)	Pipe Volume (gal/ft)	Pipe Length (ft)	Perf Size (in)	Spacing (ft)	Spacing (in)
Lateral 1							
Lateral 2							
Lateral 3							
Lateral 4							
Lateral 5							
Lateral 6							

Minimum Dose Volume _____ gal

Maximum Dose Volume _____ gal

9. Additional Info for At-Risk, HSW or Type IV Design

A. Starting BOD Concentration = Design Flow X Starting BOD (mg/L) X 8.35 ÷ 1,000,000

_____ gpd X _____ mg/L X 8.35 ÷ 1,000,000 = _____ lbs. BOD/day

B. Target BOD Concentration = Design Flow X Target BOD (mg/L) X 8.35 ÷ 1,000,000

_____ gpd X _____ mg/L X 8.35 ÷ 1,000,000 = _____ lbs. BOD/day

Lbs. BOD To Be Removed: _____

PreTreatment Technology: _____ *Must Meet or Exceed Target

Disinfection Technology: _____ *Required for Levels A & B

C. Organic Loading to Soil Treatment Area:

_____ mg/L X _____ gpd x 8.35 ÷ 1,000,000 ÷ _____ ft^2 = _____ $lbs./day/ft^2$

10. Comments/Special Design Considerations:

#2

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

Brian Humpal	Brian Humpal	L2896	6/28/17
(Designer)	(Signature)	(License #)	(Date)

Design Summary - Tank Sizes

Tank 1 Size:	1000 Gallons
Tank 2 Size:	1000 Gallons
Lift Station Size:	1000 Gallons

Design Summary - System Type

System Components:	Mound
Distribution Types:	Pressure Distribution-Level
Benchmark Elevation:	100 Feet
Benchmark Location:	Screw At Base Of Telephone Pole
System Type:	Type III
Type of Distribution Media:	Drainfield Rock

Invoice #4197 (04/14/2019)

Approvals

Approval	Signature
Applicant	Brian Humpal - 04/14/2019 5:39 PM
#1 Initial Office Review	Kati Hallermann - 04/23/2019 3:10 PM
#2 Issue Permit	Joe Sanders - 05/23/2019 4:42 PM #2

Installation Permit Application has been approved. All signatures have been obtained.

OAK ST

10 x 45 mound

1000

1000

1000

1000

GARAGE

HOUSE

DECK

WELL

LAKE

SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions, LLC has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to 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 period.
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 cannot 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 understands 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.
7. Nothing other than gray water (laundry, showers, etc.) human waste and toilet tissue should be disposed of into the septic tanks. Garbage disposals are not recommended. Smaller amounts of laundry, soaps, dish soap, cleaning agents, etc. are better for the system. Antibacterial soaps and chlorine agents may kill the bacteria needed to treat effluent properly. Additives are not recommended and may be harmful to your system. Recommend to pump and clean your tanks by a certified pumper every other year if you have 1 tank and every 2-3 years if you have a 2-tank system to ensure proper maintenance.