

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: 2202820310003 Reason for Inspection Sale of property

Local regulatory authority info: Washington County

Property address: 10 COULEE RIDGE RD S, CITY OF AFTON

Owner/representative: SEVENICH JOHN & BETH Owner's phone: 651-253-3687

Brief system description: Entire system updated in 1988. New tanks installed 2015. Lift tank to in ground drain field

System status

System status on date (mm/dd/yyyy): 4/10/2023

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.

Inspector signature: *Shelley E. [Signature]*
(This document has been electronically signed)

Certification number: 9917

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: 10 COULEE RIDGE RD S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 4/10/2023

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

Compliance criteria:

System discharges sewage to the ground surface	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

Attached supporting documentation:

Other: _____
 Not applicable

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

Describe verification methods and results:

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

Attached supporting documentation:

Empty tank(s) viewed by inspector
Name of maintenance business: Meyers
License number of maintenance business: _____
Date of maintenance: 4/10/2023
 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: _____

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

Describe verification methods and results:

Tanks looked like new at time of inspection.

Property Address: 10 COULEE RIDGE RD S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 4/10/2023

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: 10 COULEE RIDGE RD S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 4/10/2023

5. Soil separation – Compliance component #5 of 5

Date of installation 6/27/1988 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

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: Yes No*
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

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: Yes No*
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*

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) Yes No*
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Attached supporting documentation:

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Indicate depths or elevations

A. Bottom of distribution media	30"
B. Periodically saturated soil/bedrock	69"
C. System separation	39"
D. Required compliance separation*	24"

*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.

SOILS #1

LOG OF SOIL BORINGS

BORING NO. 1		BORING NO. 2		BORING NO. 3		BORING NO. 4	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	DARK BROWN FINE SANDY LOAM	0	DARK BROWN FINE SANDY LOAM	0	DARK BROWN FINE SILTY LOAM	0	DARK BROWN FINE SANDY LOAM
3"		4"		3"		4"	
	BROWN FINE SILTY LOAM		BROWN FINE SANDY LOAM		BROWN FINE SILTY LOAM		BROWN FINE SILTY SAND
12"		13"		6"			
	LT. RED BROWN FINE SILTY LOAM		LT. RED BROWN FINE SANDY LOAM		BROWN FINE SILTY SAND		
18"		18"		18"			
	LT. BROWN FINE SANDY CLAY LOAM (VERY DRY)		LT. BROWN FINE SANDY CLAY LOAM (VERY DRY)		LT. RED BROWN FINE SILTY SAND (SANDY LOAM)		
32"				24"		36"	
	LT. RED BROWN FINE SANDY LOAM						LT. RED BROWN FINE SANDY LOAM
36"		36"					
	LT. BROWN FINE SANDY LOAM		LT. BROWN FINE SANDY LOAM				
8'0"		7'9"		7'6"		7'6"	
END B-1 9'0"		Observation 7'9"		END B-3 7'6"		END B-4 7'6"	

WASHINGTON COUNTY, MINNESOTA

Sewage Treatment Permit No. 153(35394)

FEE: \$50.00

Inspection of Installation Must Be Made By the Building Official Before Any Portion of System is Covered
Contract Planning Department, 439-3220 x-176, 24 HOUR NOTICE REQUIRED

Owner: James E. Olson

Property Description: 2412 1/2 St & E 11, behind Open Cattle Ridge

Property Address: 10 Open Cattle Ridge

Use of Building: Home Flow Rate: 4 bathrons Percolation Rate: 33 mpi

Septic Tank: 1300 Gal. Liquid Capacity L/I Station (if needed) 1200 Gal.

Type of System: Tank and Mains with 2 1/2" diameter

Absorption Trench - Square Feet: 1300 Lineal Feet: 320 Width: 36"

Depth of Trench Below Grade: 18 inches Above Lines: 2 inches

Depth of Trench From Existing Grade - Minimum: 24 inches Maximum: 43 inches

Recommended Number of Lines: 4 @ 80' (Note: Maximum Length of Individual Line is 100 Feet.)

Minimum Spacing of Lines: 7 1/2 Ft. Center to Center

Special Conditions: Spacers to go in area between and above

on attached site plan. Use charge holes due to narrow
line. Spacers of rock to reduce string hole size.

PERMIT: Permission is hereby granted to the above named applicant to perform the work described in the application to the minimum specifications shown above and per attached site plan. This permit is granted upon express condition that the person to whom it is granted, and his agents, employees and workmen shall conform in all respects to ordinances of Washington County, Minnesota. This permit may be revoked at any time upon violation of any said ordinance, and permit shall be void if work is not commenced within six (6) months. **INSTALLER MUST HOLD CURRENT SEPTIC INSTALLER LICENSE WITH WASHINGTON COUNTY.**

Approved: [Signature] Date: 6/2/02

Comments: SYSTEM SUBSTANTIALLY COMPLETE 1/25/03

Installation Approved: [Signature] Date: 6/27/03

With - Copy Applicant Copy - Dept. 118 File - Copy/Insurer Ordered - Municipality

SOILS #2

Log Of Soil Borings

Location of Project:		10 Coulee Ridge Road, Afton, MN 55001	
Borings Made By:		Inspect Minnesota	Date: 10/9/14
Auger Used:		Hand/Bucket	Classification System: USDA
Boring Number:		1	Boring Number:
Surface Elevation of Boring	Same ground surface as last drainfield trench		Surface Elevation of Boring
Depth In Inches	Soils Encountered		Depth In Inches
0-10 10-25 25-47 47-69	7.5YR 2.5/3 Loamy Sand 10YR 3/4 Loamy Sand 10YR 3/6 Sandy Loam 10YR 3/6 Loam Refusal At 69"		
69"	Depth To End Of Boring Or Redox		Depth To End Of Boring Or Redox
Same	Elevation Of Boring Relative To System		Elevation Of Boring Relative To System
-31"	Depth To Bottom Of System		Depth To Bottom Of System
≥38"	Of Separation		Of Separation
End Of Boring At:	69"	End Of Boring At:	
Redox Present At:	None	Redox Present At:	
Standing Water Present At:	None	Standing Water Present At:	

Bottom Of Distribution Medium At: 31 Inches

B-1 By Inspect MN ○

Drainfield Area

Well ○

Lift Tank

Septic Tank

House

NO SCALE

10 Coulee Ridge Road, Afton, MN 55001

Inspect Minnesota & Midwest Soil Testing

P.O. Box 383 Hugo, MN 55038
651-492-7550/Brian@midwestsoiltesting.com

Brian Humpal
MPCA Licensed Designer & Inspector

SUBSURFACE SEWAGE TREATMENT SYSTEM COMPLIANCE REPORT

Date: October 9, 2014

Time: 1:30 PM

Owner: St. Croix Valley Foundation

Inspection Address: 10 Coulee Ridge Road, Afton, MN 55001

REPORT SUMMARY

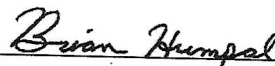
I have performed an "MPCA Compliance Inspection" on this system and have reviewed the original design/permit records on file at Washington County. This older system (installed in 1987) consists of a pre-cast septic tank, a pre-cast lift tank, and a rock trench drainfield. This house is presently vacant.

Although not a compliance criteria, it should be noted that the lift pump alarm is currently not operational. This alarm should be repaired as soon as possible to notify the occupants of the house in the event of a pump malfunction. In addition, the septic tank and lift tank maintenance covers are not extended to the ground surface. I recommend extending the maintenance covers to the ground surface to facilitate easier access and proper maintenance of the tanks.

My inspection indicates that this system is presently non-compliant and an imminent threat to public health and safety per MPCA rule 7080.1500 Subp. 4(A) because the lift tank appears to have a large crack running across the top of the tank, which could cause the tank to fail. During any repair work, I recommend inspecting the condition of the septic tank and/or any tank components that will be re-used.

In accordance with MPCA rules, I am sending a copy of this complete report to Washington County. I cannot officially speak on behalf of the County relative to the upgrade requirements of these non-compliant systems. Please contact Washington County Environmental Specialist, Mr. Chris LeClair (651-430-6673), to verify the County's position.

Please advise buyer, agents, lender, etc. to contact me should they have any questions regarding this system.



Brian Humpal

NOTE: This report is not complete without the inclusion/attachment of the additional pages which consist of up to five (5) MPCA drafted Compliance Inspection Documents, one (1) Homeowner/Occupant Information Sheet (when obtainable), one (1) site diagram, one (1) log of soil boring(s), one (1) Brian L Humpal, Inc. Disclaimer Sheet, and one (1) MPCA License.

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.