



Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms – additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 11/27/2019

Compliant – Certificate of Compliance
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

Noncompliant – Notice of Noncompliance
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance (check all applicable)

- Impact on Public Health (Compliance Component #1) – Imminent threat to public health and safety
- Other Compliance Conditions (Compliance Component #3) – Imminent threat to public health and safety
- Tank Integrity (Compliance Component #2) – Failing to protect groundwater
- Other Compliance Conditions (Compliance Component #3) – Failing to protect groundwater
- Soil Separation (Compliance Component #4) – Failing to protect groundwater
- Operating permit/monitoring plan requirements (Compliance Component #5) – Noncompliant

Property Information

Parcel ID# or Sec/Twp/Range: 02603220340004

Property address: 14633 Old Marine TR, Scandia, MN 55073

Reason for inspection: Property Transfer

Property owner: Dan Manthey

Owner's phone: _____

or

Owner's representative: _____

Representative phone: _____

Local regulatory authority: WashCo

Regulatory authority phone: _____

Brief system description: 3-1000 gallon Septic Tanks and and four gravity flow trenches.

Comments or recommendations:

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DEC 17 2019

PUBLIC HEALTH

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.

Inspector name: Jeffrey A. Fertig

Certification number: 2942

Business name: Sunrise Septic Services, Inc.

License number: 2299

Inspector signature:

Phone number: 651-253-2969

Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- Other information (list): _____

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

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

Comments/Explanation:

Verification method(s):

- Searched for surface outlet
- Searched for seeping in yard/backup in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony (See Comments/Explanation)
- "Black soil" above soil dispersal system
- System requires "emergency" pumping
- Performed dye test
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, or leaching pit. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Comments/Explanation:

Pumped by Smillies 2018

Verification method(s):

- Probed tank(s) bottom
- Examined construction records
- Examined Tank Integrity Form (Attach)
- Observed liquid level below operating depth
- Examined empty (pumped) tanks(s)
- Probed outside tank(s) for "black soil"
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. Yes* No Unknown
- b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. Yes* No Unknown
***System is an imminent threat to public health and safety.**

Explain:

- c. System is non-protective of ground water for other conditions as determined by inspector. Yes* No
***System is failing to protect groundwater.**

Explain:

4. Soil Separation – Compliance component #4 of 5

Date of installation: 8/30/2000 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Compliance criteria:

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.

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.*

"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.2350 or 7080.2400 (Advanced Inspector License required) Yes No
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

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

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

- Conducted soil observation(s) (Attach boring logs)
- Two previous verifications (Attach boring logs)
- Not applicable (Holding tank(s), no drainfield)
- Unable to verify (See Comments/Explanation)
- Other (See Comments/Explanation)

Comments/Explanation:

originally Inspected 9/18/18
Submitted to the City
by error. Resubmitted
11/27/2019

Indicate depths or elevations

A. Bottom of distribution media	18-24"
B. Periodically saturated soil/bedrock	>60"
C. System separation	36"
D. Required compliance separation*	36"

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

5. Operating Permit and Nitrogen BMP* – Compliance component #5 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? 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. Operating Permit number: _____
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.

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.

SUNRISE SEPTIC SERVICES, INC.

Jeffrey Fertig
Licensed and Bonded, PCA Certified #2942
12180 Saint Croix Trail, North Branch, MN 55056
(651) 253-2969

ON-SITE SEPTIC SYSTEM CONDITION REPORT

DATE: November 27, 2019
CLIENT: Dan Manthey
ADDRESS: 14633 Old Marine TR, Scandia, MN 55073
PID#: 02603220340004

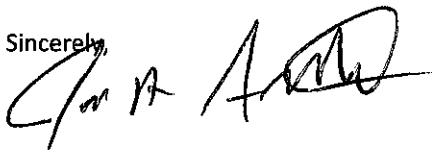
REPORT SUMMARY:

At the request of the seller of this property, I have performed an MPCA Compliance Inspection of this septic system. The system consists of a 3-1000-gallon solid septic tanks and four gravity flow trenches. Based on my inspection of the system it is my opinion that this system presently meets MPCA minimum compliance inspection requirements. The bottom of the trenches were located at approximately 18-24 inches below above grade and redoximorphic features were not found in a 64 inch soil boring, rendering the system with 36 inches or more of separation as required by code.

Minimum compliance inspection requirements include only verification that the septic system has a water tight septic tank, the required drain field separation to saturated soils, no backup of sewage into the dwelling and no discharge of sewage/effluent onto the ground surface or surface water (lakes, streams, etc.). Sewage back up verification is limited to observing the floor drain area and/or the information supplied by the last occupants of the dwelling prior to inspection. Sunrise Septic Services cannot guarantee that the information given to us relative to back ups is accurate. Certification of this system does not warranty future use beyond the date of the inspection nor does it guarantee that future compliance inspections will render the same results.

Please contact me if you have any questions.

Sincerely,



Jeffrey A. Fertig
Sunrise Septic Services, Inc.

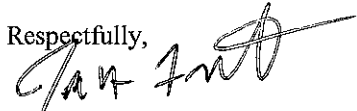
NOTE: This report is not complete without the inclusion/attachment of the respective MPCA Septic System Compliance Inspection form, which consists of two separate pages. Sunrise Septic Solutions has not been retained to guarantee or certify the proper functioning of the system for any period in the future. Because of the numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system, and the inability of my company to supervise or monitor the use or maintenance of the system, this report shall not be construed as a warranty by my company that the system will function properly for any particular buyer. Because soil conditions can and do change, there is no guarantee that future inspections will render the same results. Sunrise Septic Services hereby **DISCLAIMS ANY WARRANTY**, either expressed or implied, arising from the inspection of the septic system or this report. We are also not ascertaining any effect the system is having on the groundwater. **This report/inspection is being done for only the seller and the buyer of this property. There is no contract between Sunrise Septic Services and any other party except the seller/buyer. Liability to Sunrise Septic Services Inc. is limited to the cost of this inspection.**

Sunrise Septic Services DISCLAIMER SHEET

Relative to Septic System Compliance Inspections:

1. This inspection/report is being performed for only the seller/owner or of the property on which the septic system is located; there is no contract between Sunrise Septic Services, Inc. and any other party except the seller/owner unless otherwise noted. In such case that the buyer of the property is paying for the inspection, the contract is between only the buyer of the property and Sunrise Septic Services, Inc., there is no contract with any other party unless otherwise noted. **Liability to Sunrise Septic Services Inc. is limited to the cost of this inspection.**
2. Sunrise Septic Services, Inc. has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period of time beyond the date of inspection or the future. Because of the numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system, as well as the inability of Sunrise Septic Services, Inc. to supervise or monitor the use or maintenance of the system, the report shall not be construed as a warranty by Sunrise Septic Services, Inc. that the system will function properly for any particular person for any period of time.
3. Minimum Compliance Inspection requirements relative to this inspection and this report include only verification that the septic system has a water tight septic tank(s) and lift tank, the required separation from the bottom of the drainfield/mound distribution medium and saturated soils, no back-ups of sewage into the dwelling, and no discharge of sewage/effluent onto the ground surface or surface water (lakes, streams, etc.) Sunrise Septic Services, Inc. does not inspect basement ejector pumps or exterior lift tank pumps as they are considered to be a "maintenance item". Sewage backup verification is limited to observing the floor drain area and/or the information supplied by the last occupants of the dwelling prior to inspection. Sunrise Septic Services, Inc. cannot guarantee that the information given to them by the last occupants of the dwelling prior to inspection relative to backups or failure is accurate. Some persons may attempt to hide or conceal signs of previous back-ups.
4. Certification of this system does not warranty future use beyond the date of the inspection. Any system, old or new, can be hydraulically overloaded as a result of more people moving into the house than were previously occupying the house, improper maintenance and/or heavy usage, tree roots, freezing conditions, surface drainage problems, or the system can simply stop working because of its age. The average life expectancy of a properly maintained septic system is twenty-five years.
5. A Compliance Inspection is not meant to be a test or inspection for longevity of the septic system, a Compliance Inspection is strictly for the purpose of determining if the septic system is polluting the environment at the date and time the inspection is performed. This inspection is not intended to determine if the septic system was originally designed or installed to past or present MPCA or Local Unit of Government code requirements.
6. WINTER WORK: Client (person paying for inspection) understands that inspections conducted during winter weather (approximately November 1st through April 1st) are more difficult to perform because of the possible snow cover and ground frost. Septic system components such as tanks, tank covers, drop boxes, drop box covers and soil treatment areas are more difficult to locate because of snow cover and ground frost. Soil borings and locating drainfields are more difficult to perform because of ground frost. Sunrise Septic Services, Inc. will attempt to use the same level of standards when performing winter work as when performing non-winter work. However, the client understands that because of aforementioned considerations, the same level of standards may not be possible.

Respectfully,



Jeffrey A. Fertig
Inspector/Owner

Soil Boring Log

Depth of System or Sand Lift 24 Inches

Flood Plain: Yes No

Depth to Restrictive Layer >60 inches

Shoreland: Yes No

Type of Observation: Probe Pit Boring

Well Head Protection area: Yes No

General Soil Texture: Sand Eoam Clay

Drainage: Good Problems

Well Info:

Location _____

Depth >50"

Site Drawing

See Attached

Depth	Texture	Color	Structure
0-12"	L fine sand	10YR 3/2	Blocky Platy Prismatic
12-32"	Loamy fine sand	10YR 4/4	Blocky Platy Prismatic
32-60	Loamy sand	10YR 5/4	Blocky Platy Prismatic
			Blocky Platy Prismatic

Additional Notes:

Inspection Performed by: Sunrise Septic Services

Registration Number 2942

Property Owner Dan Manthey

Site Address 14633 Old Marine TR, Scandia, MN 55073

PID # 02603220340004

LOGS OF SOIL BORINGS

Location of Project Dan Manthey, Parcel C, 5 acres, Sec. 26, New Scandia Twp., Washington Co.
 Borings Made by Chris Zierke Date: 9/11/00
 Hand bucket auger used for borings; USDA - SCS Soil Classification used.

Depth, In Feet	Boring Number 1
0	
0-10"	Dark-brown loamy fine sand(10YR-3/3)
10-24"	Dark yellowish-brown loamy fine sand (10YR-4/4)
24-54"	Dark yellowish-brown loamy sand(10 YR-4/6)
54-60"	Strong-brown clay loam(7.5YR-4/6), iron-st., light-gray mottles

End of boring at 5 feet.
Standing water table:
 Present at feet of depth, hours after boring.
 Standing water not present in hole .
Mottled Soil:
 Observed at 4.5 feet of depth.
 Mottled soil not present in bore hole .
 Comments:

Depth, In Feet	Boring Number 2
0	
0-12"	Dark-brown loamy fine sand
12-24"	Dark y-brown loamy fine sand(4/4)
24-32"	Yellowish-brown sandy loam(10YR-5/4)
32-60"	Dark y-brown loamy sand(4/6)
60-72"	Strong-brown loam(7.5YR-4/6), iron-st. & light-gray mottles below 66"

End of boring at 6 feet.
Standing water table:
 Present at feet of depth, hours after boring.
 Standing water not present in hole .
Mottled Soil:
 Observed at 5.5 feet of depth.
 Mottled soil not present in bore hole .
 Comments:

Depth, In Feet	Boring Number 3
0	

End of boring at feet.
Standing water table:
 Present at feet of depth, hours after boring.
 Standing water not present in hole .
Mottled Soil:
 Observed at feet of depth.
 Mottled soil not present in bore hole .
 Comments:

Depth, In Feet	Boring Number 4
0	

End of boring at feet.
Standing water table:
 Present at feet of depth, hours after boring.
 Standing water not present in hole .
Mottled Soil:
 Observed at feet of depth.
 Mottled soil not present in bore hole .
 Comments:

AS-BUILT REPORT INDIVIDUAL SEWAGE TREATMENT SYSTEM



Washington County Health, Environment & Land Management
 14900 61ST ST N, PO BOX 3803, STILLWATER, MN 55082-3803
 612/430-6708 or 612/430-6656

Legal Description or Complete Street Address		City or Township		
Owner Name	Mail Address	City	State	Zip
<i>Dan Manthey</i>	<i>14633 Old Marine Tr N</i>	<i>Marine</i>	<i>MA</i>	<i>55047</i>
Installer	Mail Address	City	State	Zip
<i>Roger Lydeen</i>	<i>18901 Oak Green Av N</i>	<i>Marine</i>	<i>MA</i>	<i>55047</i>
Septic Tank Information Tank Manufacturer: <i>Gilbertson</i>		Liquid Capacity: <i>2,100</i>		

PUMP CHAMBER (if installed)			
Tank Manufacturer: <i>Gilbertson</i>	Liquid Capacity: <i>1000</i>	Horsepower of Pump: <i>1/3</i>	Type of Warning Device: <i>Light-Buzzer</i>
Pump Discharge in Gallons Per Minute: Head	at <i>35</i>	Feet of <i>10'</i>	Number of Gallons Pumped Per Cycle: <i>125</i>

DRAINFIELD TRENCH		BED OR MOUND		
Width: <i>3</i>	Length of Each Trench: <i>4-75</i>	Rock Bed Length:	Width:	Area:
Depth of Trench Bottom from Finished Grade: <i>18"-24"</i>		Bed Depth from Grade:		
Method of Distribution: <input type="checkbox"/> Pressure <input type="checkbox"/> Distribution Box <input checked="" type="checkbox"/> Drop Box		MOUND: Upslope Sand Base Depth: Downslope Sand Base Depth:		
Depth of Rock Under Distribution Pipe: <i>12"</i>		Depth of Rock Under Pipe:		
Square Footage of Tested Area Used:		PRESSURE DISTRIBUTION SYSTEM:		
Trench Bottom Square Footage Required: <i>750</i>	Area As Built: <i>750</i>	Lateral Inside Diameter:	Length:	Perforation Size:
		Spacing:	Number:	Perforation Spacing:

Complete site plan on attached sheet. On the site plan, include location of:
 structures, septic tank, pump chamber, line from house to tank treatment system, distribution lines, distribution or drop boxes, well, and driveway. Show all distances applicable to the sewage treatment system (distance from structure to tank, tank to treatment system, distance between distribution lines, length of distribution lines, and distance between well and sewage treatment system). Indicate NORTH on the site plan and the scale of the plan.

ASBUILT.FRM:DC 551

WASHINGTON COUNTY SEPTIC PERMIT NUMBER 001020065

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PUBLIC HEALTH

Dan Manthey

