



Minnesota Pollution Control Agency

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

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AUG 26 2019

# Compliance Inspection Form

## Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

PUBLIC HEALTH

**Instructions:** 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): 7/25/2019

**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: 1203220220001

Property address: 15400 Pilar Rd N, Scandia, MN 55073 Reason for inspection: Property Transfer

Property owner: Ned Froberg Owner's phone: \_\_\_\_\_

or

Owner's representative: \_\_\_\_\_ Representative phone: \_\_\_\_\_

Local regulatory authority: City of Scandia/WashCo Regulatory authority phone: \_\_\_\_\_

Brief system description: 1000 gallon solid septic tank, 1000 gallon lift tank and gravity flow trenches.

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.

Inspector name: Jeffrey Fertig Certification number: 2942

Business name: Sunrise Septic Services 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): \_\_\_\_\_

*JAT*

**1. Impact on Public Health – Compliance component #1 of 5**

**Compliance criteria:**

System discharge sewage to the ground surface.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharge sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System cause 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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

**Any "yes" answer above indicates the system is Failing to Protect Groundwater.**

Comments/Explanation:

Pumper Testimony - Smiley's Sewer Service Pumped the Tanks

**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 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: After to 4/1/96  Unknown  
 Shoreland/Wellhead protection/Food Beverage Lodging?  Yes  No

**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)

**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:  Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	<input type="checkbox"/> Yes <input type="checkbox"/> No
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.*	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
"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)  Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments/Explanation:

**Indicate depths of elevations**

A. Bottom of distribution media	30 inches
B. Periodically saturated soil/bedrock	66 inches
C. System separation	36 inches
D. Required compliance separation*	36 inches

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

**Any "no" answer above indicates the system is Failing to Protect Groundwater.**

**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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the required nitrogen BMP in place and properly functioning?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

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

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## ON-SITE SEPTIC SYSTEM CONDITION REPORT

**DATE:** August 4, 2019  
**CLIENT:** Ned Froberg  
**ADDRESS:** 15400 Pilar Rd N, Scandia, MN 55073  
**PID#:** 1203220220001

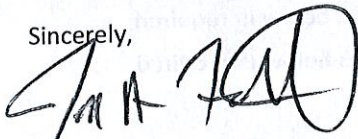
### REPORT SUMMARY:

At the request of the seller of this property, I have performed an MPCA Compliance Inspection of this septic system. It is my opinion that this onsite sewage treatment system is **compliant**. The system consists of a 1000-gallon solid septic tank, and a 1000-gallon lift station and 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 found at 24 – 36 inches below grade. Redoximorphic features were not found in a 66-inch soil boring, rendering the system with 36 inches of separation. Smiley's Sewer service pumped the septic tanks which appeared to be watertight, baffles in place and functioning properly.

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.

Please contact me if you have any questions.

Sincerely,



Jeffrey A. Fertig  
Sunrise Septic Services, Inc.

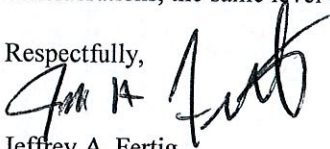
**NOTE:** This report is not complete without the inclusion/attachment of the respective MPCA Septic System Compliance Inspection form, which consists of two separate pages. Sunrise Septic Services has not been retained to guarantee or certify the proper functioning of the system for any period in the 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. 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 1<sup>st</sup> through April 1<sup>st</sup>) 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 30 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

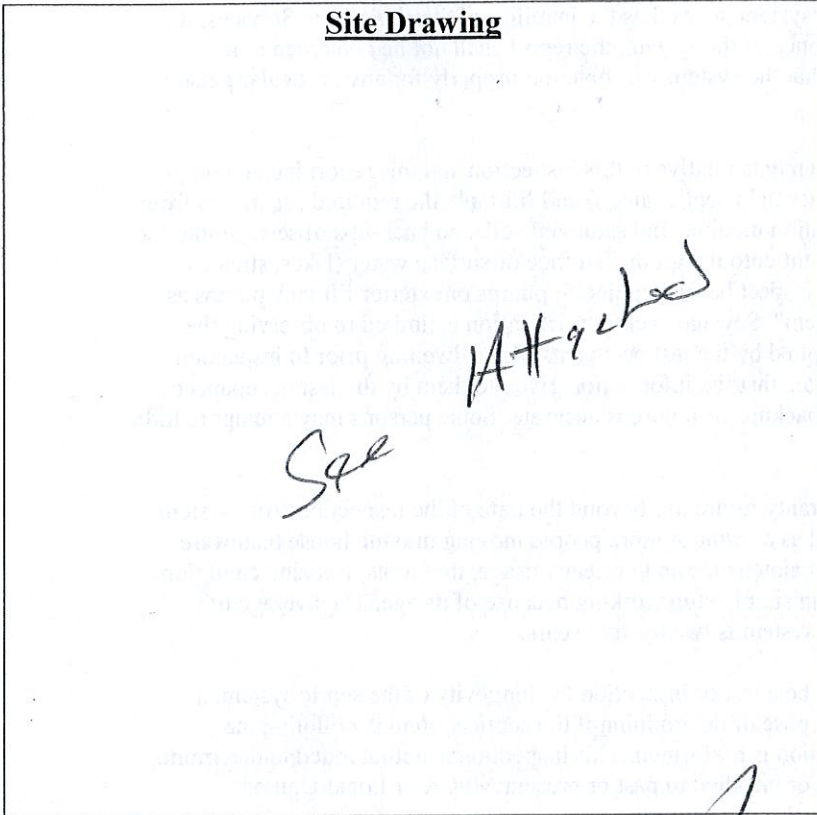
General Soil Texture:  Sand  Loam  Clay

Drainage:  Good  Problems

Well Info: Location \_\_\_\_\_

Depth >50"

Site Drawing



Depth	Texture	Color	Structure
14/15	Silt Loam	10YR 3/3	Blocky Platy Prismatic
15/23'	Silt Loam	10YR 4/4	Blocky Platy Prismatic
23/49	Silt Sandy Loam	7.5YR 3/4	Blocky Platy Prismatic
49/66	Sandy Loam	5YR 3/4	Blocky Platy Prismatic

Additional Notes:

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Inspection Performed by: Sunrise Septic Services *JAT*

Registration Number 2942

Property Owner Ned Froberg

Site Address 15400 Pilar Rd N, Scandia, MN 55073

PID # 1203220220001



# STANDARD SYSTEM DESIGN INDIVIDUAL SEWAGE TREATMENT SYSTEM

WASHINGTON COUNTY HEALTH, ENVIRONMENT & LAND MANAGEMENT  
14900 N. 61ST STREET, P.O. BOX 3803, STILLWATER, MN 55082-3803  
612/430-6708 OR 612/430-6656 FAX 612/430-6730

Owner's Name	NED FROBERG
Job Site Address	PARCEL B PILAR ROAD NO.
City or Township	SCANDIA
Use of Building	HOME - 3-BEDROOMS

Design Flow Rate	450 GAL PER DAY	Perc Rate	21	Land Slope	12-13	Percent	
Two Required Tank Sizes	1000 Gallons	1000 Gallons		Lift Station Tank Size		Gallons	
Type of System (standard, at grade or bed)	STANDARD						
System Size:	900	-Square Feet	300	-Lineal Feet	36"	-Trench Width	
Depth of rock below pipe	12"		Depth of Rock Above Pipe	2"			
MINimum Depth of Trench From Existing Grade	24		Inches	MAXimum Depth of Trench From Existing Grade	30		
Recommended Number of Trenches	4		Recommended Length of Trenches	75 FT			
Trench Spacing Measured Center to Center	7 Feet						
Any Other Special Conditions	CHECK EXISTING SEPTIC TANK FOR CONDITION - USE TANK IF POSSIBLE - INSTALL BULL RUN VALVE SO OLD SYSTEM CAN BE USED - INSULATE THE PIPE UNDER THE DRIVE WAY						

IF PRESSURE DISTRIBUTION IS USED, COMPLETE THE PRESSURE DISTRIBUTION WORK SHEET ATTACHED.

- This design must be accompanied by a site plan that clearly shows the location of the area tested and approved by the following:
1. Use an appropriate scale and indicate direction by use of a north arrow.
  2. Show ALL property boundaries, rights-of-way, easements, wetlands. If necessary, an enlarged detail of the house site may also be required.
  3. Show location of house, garage, driveway and all other improvements existing or proposed.
  4. Show location and layout of sewage treatment system.
  5. Show location of water supply (well and/or community supply line).
  6. Dimension all setbacks and separation distances.

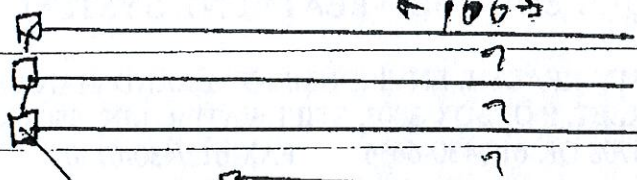
This system has been designed by a Pollution Control Agency (PCA) Certified Professional.

Designer Name	DALE EKLIN	PCA Certification #	695
Address	1986 RIDGEWOOD AVE. WHITE BEAR LAKE MINN 55110	Phone #	429 1090
Signature	<i>[Signature]</i>	Date	5-8-1998

swamp

PREPARED BY	
DATE	

← 100' →



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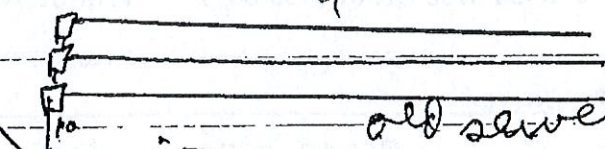
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32'



old sewer

switch box

old tank

new tank

130'

insulated pipe

Garage

house

X well

Drive

→ N.

Polar Rd.