

17.1309.000



# Minnesota Pollution Control Agency

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

# Compliance Inspection Form

## Subsurface Sewage Treatment Systems (SSTS)



Inspection and Enforcement

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:

RECEIVED

AUG 15 2016

ZONING

### System Status

System status on date (mm/dd/yyyy): July 23 2016

**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: 17 1309 000 / 171310000

Property address: 14840 Tradewinds Rd Reason for inspection: County

Property owner: Robert Bush Owner's phone: 612-202-7638

or

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

Local regulatory authority: \_\_\_\_\_ Regulatory authority phone: \_\_\_\_\_

Brief system description: \_\_\_\_\_

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: Tim Stenger Certification number: \_\_\_\_\_

Business name: Stenger Excavating LLC License number: LS53

Inspector signature: [Signature] Phone number: 847-2912

### Necessary or Locally Required Attachments

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

Property address: 14840 Tradewinds Rd

Inspector initials/Date: 7/23/16 JLS

**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:

**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:

Property address: 14840 Trade winds Rd

Inspector initials/Date: 7/23/14 JS

**4. Soil Separation – Compliance component #4 of 5**

Date of installation: \_\_\_\_\_  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.

**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.

Yes  No

- 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)

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

**Comments/Explanation:**

0-6 top soil  
6-20 Sandy loam 104R 6/3  
20-30 Clay loam 104R 5/3  
30 color

"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.

Yes  No

**Indicate depths of elevations** Mound

A. Bottom of distribution media	12" under rock
B. Periodically saturated soil/bedrock	30
C. System separation	42"
D. Required compliance separation*	36"

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

\*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: \_\_\_\_\_  Yes  No  
Have the Operating Permit requirements been met?

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.

**Onsite Septic System Site Evaluation/Design**

1. **PROPERTY DATA** (as it appears on the tax statement) R 17,1309.000  
Parcel Number(s) of property system will be installed R 17,1310.000  
(if parcel is a new split and a parcel number has not yet been issued, indicate the main parcel number from which the new parcel has been split from)

Section 7 Township 138 Range 42 Township Name Lake Eunice

Lake Name Big Cormorant Lake Classification \_\_\_\_\_

Legal Description: Lots 66 and 67 Trade Winds Beach

Project Address: Trade Winds Rd Audubon

2. **PROPERTY OWNER INFORMATION** (as it appears on the tax statement, purchase agreement or deed).

Owner's First Name Robert Butch Owner's Last Name \_\_\_\_\_

Mailing Address 160 E 53 Rd St City, State, Zip Minneapolis MN 55417

Phone Number 612-728-0789

3. **DESIGNER/INSTALLER INFORMATION**

Designer Name Tim Stenger Company Name Stenger Exc License # L553

Address 35295 State Hwy 34 D.L. MN Phone Number 847-2912

Installer Name Sane Company Name \_\_\_\_\_ License # \_\_\_\_\_

Address \_\_\_\_\_ Phone Number \_\_\_\_\_

4. **SYSTEM DESIGN INFORMATION**

Date of Site Evaluation 8-30-04

EXISTING SYSTEM STATUS - Check One

- No existing system-new structure
- Cesspool/Seepage
- Failing (other than cesspool)
- Undersized
- Replacement or repair to existing

What will new system serve? Check one

- Dwelling
- Resort/Commercial
- Commercial (non resort)
- Other - explain below

Design Flow 450 Gallons Per Day  
Number of Bedrooms 3  
Garbage Disposal  Yes  No  
Grinder Pump in House  Yes  No  
Lift station in House  Yes  No

Well Depth deep  
Depth of other wells within  
100 ft of system deep

Original Soil  Compacted Soil \_\_\_\_\_  
Type of Soil Observation  
 Pit  Probe  Boring  
Depth to Restricting Layer \_\_\_\_\_  
Maximum Depth of System 30"

Size of All Tanks to Be installed  
1500 gal Septic Tank  
600 gal Lift Station  
 \_\_\_\_\_ gal Holding Tank  
 \_\_\_\_\_ gal Other Tanks

Type of Drainfield Medium to be used  
 \_\_\_\_\_ Chamber  
 \_\_\_\_\_ H10 \_\_\_\_\_ EQ36  
 Drainfield Rock  
 \_\_\_\_\_ Rock Depth  
 \_\_\_\_\_ Gravelless  
 \_\_\_\_\_ Experimental  
 \_\_\_\_\_ No Drainfield

Type of Alarm Horn Light  
 Size of Lift Pump 4 HP  
 Size of Lift Line 1.5"

Type of Drainfield to be installed Size of Drainfield sq ft to be installed  
 \_\_\_\_\_ Trench \_\_\_\_\_ sq ft  
 \_\_\_\_\_ At-grade \_\_\_\_\_ sq ft  
 \_\_\_\_\_ Pressure Bed \_\_\_\_\_ sq ft  
 \_\_\_\_\_ Seepage Bed \_\_\_\_\_ sq ft  
 Mound 373.5 sq ft

SETBACKS  
 TANK DRAINFIELD  
 Distance to Well 70 50  
 Distance to Building 20 20  
 Distance to Property Line 25 10  
 Distance to OHW 110 100  
 Distance to Pressure Line 60 40

Perc Rate 10 Soil Sizing Factor .83 \*If SSF other than .83, attach Perc Test Data

Depth	Texture	Color	Structure	Depth	Texture	Color	Structure
0-6	top soil			0-6	top soil		
6-20"	sandy loam	10YR 6/3		6"-20"	Fine sandy some silt	10YR 6/3	
20"-30"	clay loam	10YR 5/3		20-30	clay loam	10YR 5/3	
30"	color			30"	color		

5. DESIGNER'S CERTIFIED STATEMENT

I, Tim Stenger certify that I have completed the preceding design work in accordance with all applicable requirements (including, but not limited to Minnesota Chapter 7080 and the Becker County Individual Sewage Treatment System Ordinance).

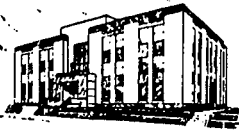
Tim Stenger Signature of Designer 10-31-05 Date

\*\*\*\*\* FOR OFFICE USE ONLY \*\*\*\*\*  
 Application Approved by: Jared A. Stoll Date: 11/1/05  
 Amount Paid \$1,000.00 Receipt Number 93851/317999 Permit Number \_\_\_\_\_  
 \*\*\*\*\*

CERTIFICATE OF COMPLIANCE

( ) Certificate Is Hereby Denied  
 (X) Certificate is Hereby Granted Based upon the Application, addendum from, plans, specifications and all other supporting data. With property maintenance, this system can be expected to function satisfactory, however, this is not a guarantee.

Jared A. Stoll Signature Title 7575 Inspector Date 11/3/05  
 (Certificate of Compliance is not valid unless signed by a Registered Qualified Employee)  
 Date System Installed 11/03/05 Inspected by Jared A. Stoll



# BECKER COUNTY

835 LAKE AVENUE, P.O. BOX 787  
 DETROIT LAKES, MINNESOTA 56502-0787  
 (218) 846-7314

Application No.
Tax Parcel No. R 171309.000 R 171310.000

## SKETCH PLAN FORM H

Please be as complete as possible. Include all of the items listed below where applicable.

### GENERAL CHECKLIST

- scale
- north arrow
- lot dimensions
- structure location
- side lot setback
- road setback
- septic tank location
- drainfield location
- location of all wells within 100' of drainfield
- fill & grading limits
- vegetation alteration limits

### WATER RESOURCE CHECKLIST

- location of ordinary high water level (OHWL)
- location of present water line
- setback from OHWL
- location of highest known water level
- existing local drainage
- location of wetland areas

Scale of Diagram: 1 inch = 25 feet

Drawing By: Tim

Date of Drawing: Oct 28 05

Impervious surface coverage calculation

$$\frac{\text{Impervious surface onsite}}{\text{Total Lot area ft}^2} \times 100 = \text{\%}$$

Total percentage of impervious coverage

Remarks: \_\_\_\_\_

Signature Tim Stenger

