



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): 4/42016

[X] 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:

Property address: 7689 64th St N Pine Springs, MN 55115 Reason for inspection: Building Permit

Property owner: Jerry Stoerzinger Owner's phone: 651-770-2530

or

Owner's representative: Representative phone:

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description: 1250 gallon septic tank and a gravity drainfield

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: Benjamin Zierke Certification number: 9594

Business name: Zierke Soil Testing License number: 119

Inspector signature: [Signature] Phone number: 651-462-2294

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] 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:

County records show tank was pumped last fall with no issues noted by Schlomka.

**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: 1982  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:**

**Indicate depths or elevations**

A. Bottom of distribution media	98.7
B. Periodically saturated soil/bedrock	93.5
C. System separation	5.2
D. Required compliance separation*	3.0

\*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.

8/2015

**Relative Elevations:**  
B1: 100.0, redox 93.5  
Top of rock: 100.2  
Bottom of rock: 98.7  
B1 Separation: 5.2  
Benchmark: 101.3  
(top of manhole on tank)

Septic Tank  
BM

Distribution box

Drainfield

B1

Google earth

Imagery Date: 8/11/2015 45°02'30.25" N 92°57'05.54" W elev 972 ft eye alt 1200 ft

1991

## Logs of Soil Borings

Location of Project: 7689 64th St N Pine Springs, MN 55115

Borings Made by Ben Zierke

Date:

4/4/2016

Hand bucket auger used for borings; USDA - SCS Soil Classification used.

Depth, in Inches	Boring Number 1	Depth, in Inches	Boring Number 2
0-----	-----	0-----	-----
0-10"	7.5YR 3/3 sandy loam		Unable to get a representative boring on the opposite end of the drainfield. There has been some grading and fill brought in, which included very rocky soils.
10-42"	7.5YR 4/4 loamy sand, 5% coarse fragments		
42-84"	7.5YR 5/4 loamy sand, with lenses of 4/4 silt. Redox present below 78" around the outside of the silt lenses.		

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 6.5 feet of depth

Mottled soil not present in bore hole

Comments:

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 Inches	Boring Number 3	Depth, in Inches	Boring Number 4
0-----	-----	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:

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: