



**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): 6/23/2020

**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: 16.028.20.13.0008

Property address: 2450 Trading Post Trail S Afton, MN 55001

Reason for inspection: property sale

Property owner: \_\_\_\_\_

Owner's phone: \_\_\_\_\_

**or**

Owner's representative: Jim Mapellentz

Representative phone: 952-818-5167

Local regulatory authority: Washington County

Regulatory authority phone: 651-430-6655

Brief system description: Two 1000 gallon septic tanks and a 1000 gallon pump tank lifting to a gravelless drainfield.

**Comments or recommendations:**

The backfill has eroded away over the north end of the drainfield - recommend adding 1-2 feet of cover.

### 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: Tom Trooien

Certification number: 323

Business name: All State Septic Services LLC

License number: 1568

Inspector signature: Tom Trooien

Phone number: 612-594-4496

### 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:**

The tanks were at normal operating level.

**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:** 12/13/2007  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	2.5
B. Periodically saturated soil/bedrock	5.5
C. System separation	3
D. Required compliance separation*	3

\*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**

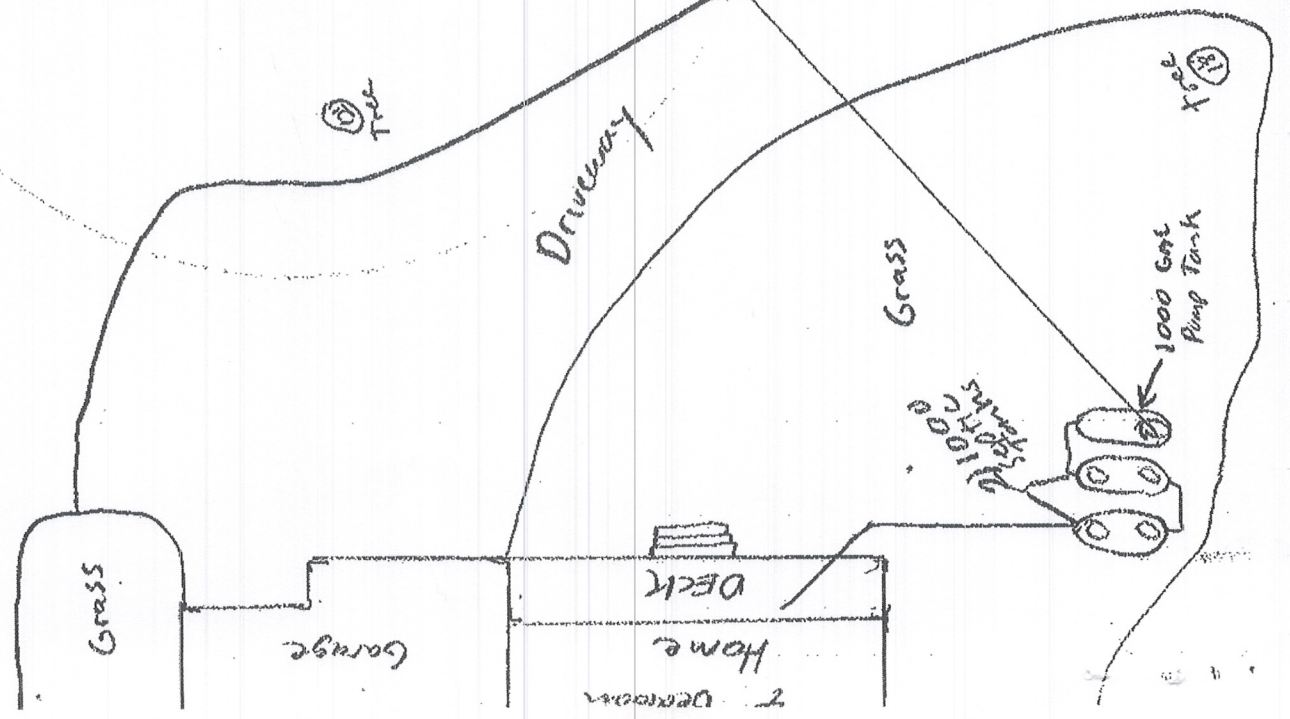
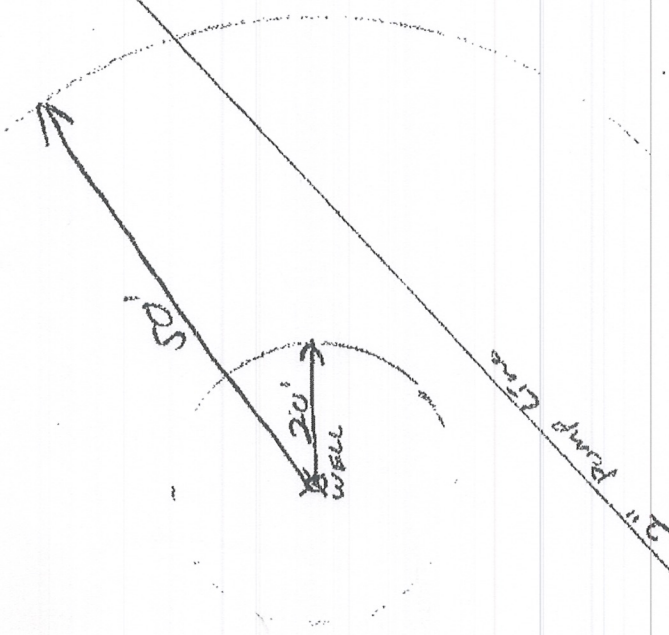
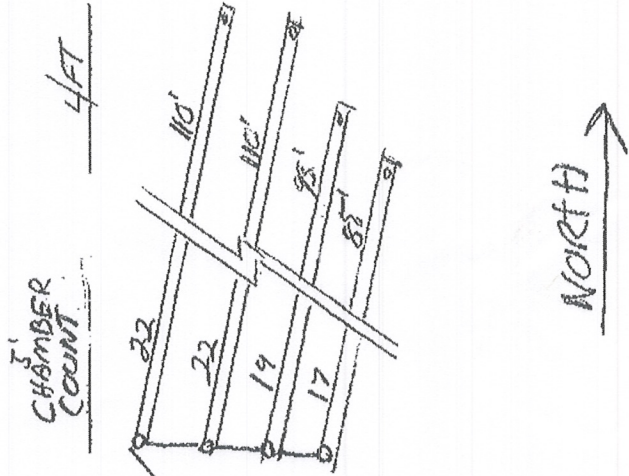
- a. Operating Permit number: n/a  Yes  No  
Have the Operating Permit requirements been met?
- b. Is the required nitrogen BMP in place and properly functioning?  Yes  No

**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.



2450 Trading Post TRS



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13 APR 2007

BORING BETWEEN B1 & B3

0" - 12" SANDY  
SILT LOAM 10 YR 3/2

12" - 22" SANDY  
SILT LOAM 10 YR 4/3

22" - 46" SANDY  
SILT LOAM 10 YR 4/4

46" - FAINT REDOX



LOG OF SOIL BORINGS

Job: 2450 Trading Post Trail, Afton

Date: 5/26/06

Depth In Feet	B5	B1	B2	B3	B4
1	black loam topsoil	black loam topsoil	black loam topsoil	black loam topsoil	black loam topsoil
16			medium brown silty clay	dark brown	red brown sandy silty
2		dark red brown fine	loam 4/3	silt loam 10yr 3/3	loam 5yr 4/3
3	red brown sandy silty loam	sandy silty	medium brown clay loam	dark red brown	medium brown
5yr 4/3	5yr 1/3	5yr 4/3	10yr 4/3 - mottled	sandy silty loam 5yr 4/3	silt loam 10yr 4/3
5		medium brown silty clay loam 10yr 4/3 6/3			
6		medium brown clay loam - mottled 10yr 4/3 7/3			
66	limestone				limestone sand and rock
7	rock restriction @ 70"				