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): 4/28/2016

☒ **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: 21.029.21.34.0006

Property address: 8335 22nd St N Lake Elmo MN 55042
Reason for inspection: Property Sale

Property owner: Terry Forrest
Owner's phone: 612-747-9643

or

Owner's representative: Wade Hanson, Realtor
Representative phone: 651-274-8584

Local regulatory authority: Washington County
Regulatory authority phone: 651-430-6673

Brief system description: 1,500 gallon septic tank, 1,000 gallon septic tank and gravity, rock trench drainfield.

Comments or recommendations:

RECEIVED
MAY 12 2016
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: 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):

Property address: 8335 22nd St N Lake Elmo MN 55042 Inspector initials/Date: TT | 4/28/2016 *(mm/dd/yyyy)*

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

Compliance criteria:	
System discharges sewage to the ground surface.	☐ Yes ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes ☒ 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. *Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.*	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	☐ Yes ☒ No

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 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:

Property address: 8335 22nd St N Lake Elmo MN 55042 Inspector initials/Date: TT | 4/28/2016 (mm/dd/yyyy)

4. Soil Separation – Compliance component #4 of 5

Date of installation: 6/25/1996 (mm/dd/yyyy) ☐ Unknown

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: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ 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.*	☒ Yes ☐ 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.	☐ Yes ☐ No

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	30-36
B. Periodically saturated soil/bedrock	n/a
C. System separation	36" plus
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

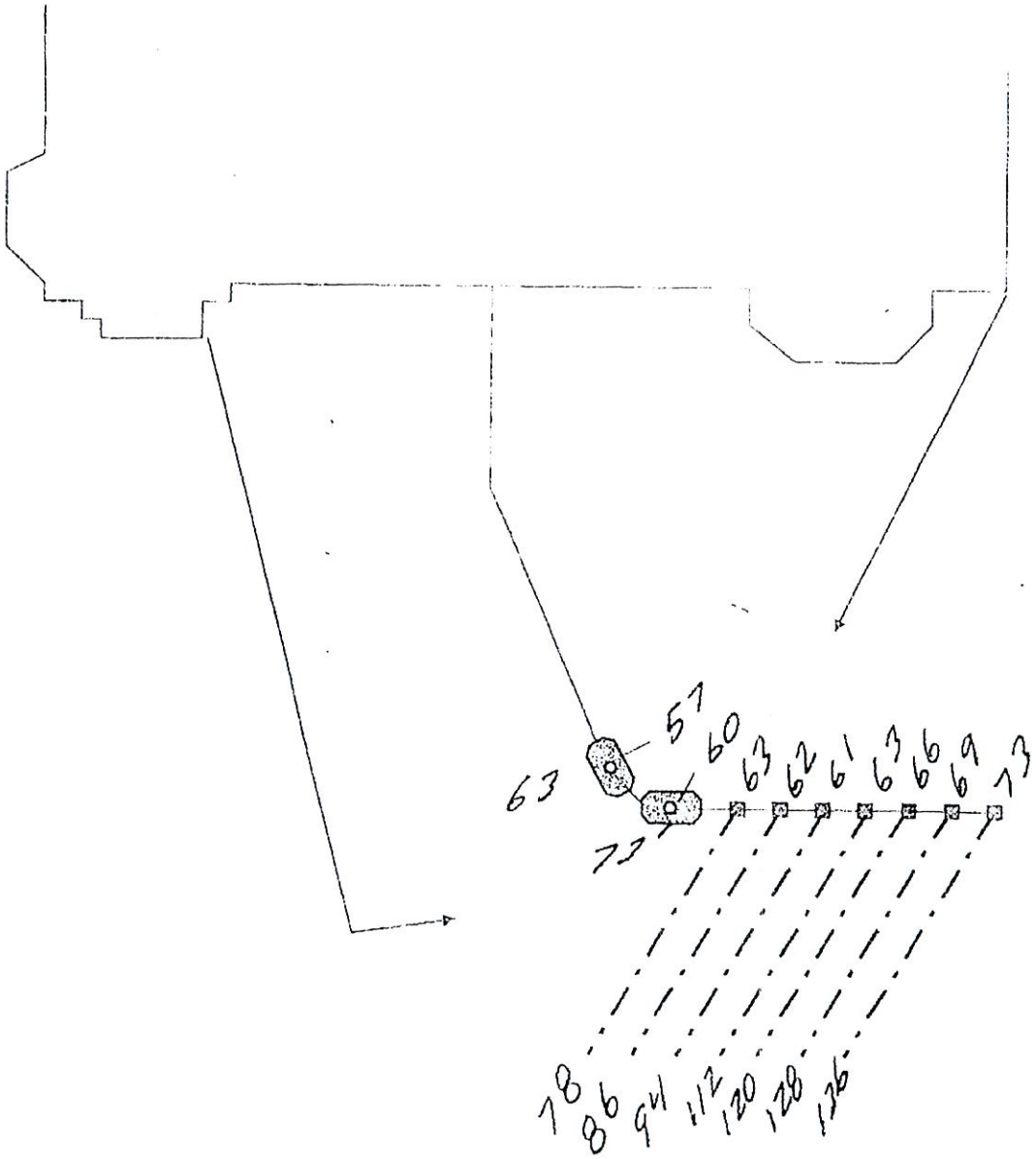
If the answer to both questions is "no", this section does not need to be completed.

Compliance criteria

a. Operating Permit number: n/a 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.*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Logs of Soil Borings

Location or Project 8335 22nd Street N.

Borings made by Inspect MN Date 1-10-06

Classification System: AASHO ____; USDA-SCS X; Unified ____; other ____

Auger used (check two): Hand X, or Power ___; Flight ___, or Bucket X; other ___

Depth, in feet	Boring number B-1 Surface elevation Same as lowest trench
0	0"-18" 10YR 3/2 Clay loam (Topsoil)
1	
2	18"-50" 7.5YR 4/6 Clay loam w/some Silt layers
3	
4	
5	48"-78" 7.5YR 4/6 Sandy Clay loam
6	
7	
8	

End of Boring at: 78 Inches

Mottled Soil Present: Yes (NO)

Mottled Soil at: ____ Inches

Standing Water Present: Yes (NO)

Standing Water Present at: ____ Inches

Depth, in feet	Boring number ____ Surface elevation ____
0	
1	
2	
3	
4	
5	
6	
7	
8	

End of Boring at: ____ Inches

Mottled Soil Present: Yes NO

Mottled Soil at: ____ Inches

Standing Water Present: Yes NO

Standing Water Present at: ____ Inches

TOP OF DISTRIBUTION MEDIUM AT: ____ INCHES

BOTTOM OF DISTRIBUTION MEDIUM AT: 36 INCHES

REMARKS: ____

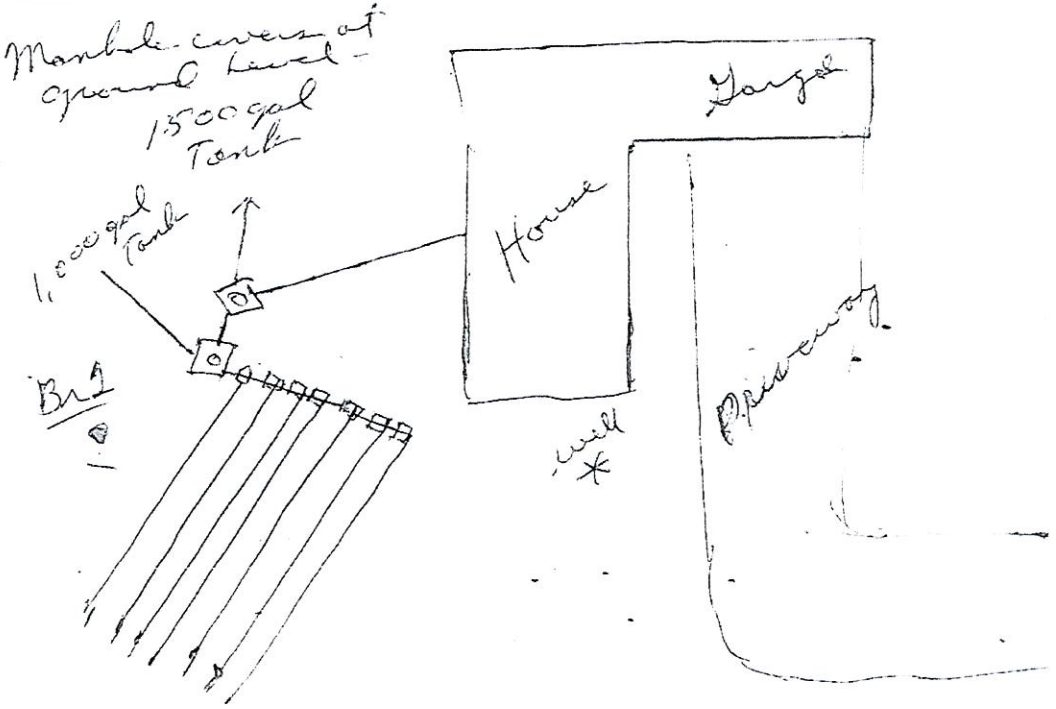
WERE SOIL SAMPLES SPRAYED? YES____ NO X

When performing the soil boring (s) relative to this septic system inspection, site evaluation or design, the depth to distinct **redoximorphic features** (commonly know as "**mottled soils**") were determined by using the definition for "**distinct**" as defined in MPCA rules 7080.0020 Subp. 13a. adopted through September 2002: "Distinct" means a soil color that varies from another color by one or more hues, more than two units of value, or more than one unit of chroma.

I/We has been advised through training and conversations with the MPCA that the above procedure for determining **redoximorphic features (mottled soils)** must be used in all cases; no other definitions will be allowed. The only exceptions would be when the difference in soil colors are attributed to other soil features such as lamellae banding, chelation from tannic acids, calcium carbonates, etc.

3/22/04

	Hole #1	
0 To 8"		
8 To 14 16"	Dark yellowish Brown silt clay firm	10 YR 4/4
14 To 30"	Reddish Brown sand & rock	5 YR 3/4
30 To 40	Reddish Brown sandy loam Firm	5 YR 4/3
40 To 46	Yellow Brown silt	10 YR 5/4
46 To 60	Dark Reddish Brown sand & loam	5 YR 3/4
60" To 78"	Reddish Brown Parent rock sand & loam	5 YR 4/4
	Stop	



Please note manhole covers must be secured to prevent unauthorized access to tanks