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): 5/28/2019

☒ **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: 2603220320004

Property address: 19430 ORWELL CT N, CITY OF SCANDIA
Reason for inspection: PROPERTY TRANSFER

Property owner: SAXTON DANIEL A & DENISE L
Owner's phone:

or

Owner's representative:
Representative phone:

Local regulatory authority: WASHINGTON COUNTY
Regulatory authority phone:

Brief system description: 2) 1000-GALLON SEPTIC TANKS, 1000-GALLON LIFT TANK AND PESSURIZED MOUND

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: RYAN LASHINSKI
Certification number: 3053

Business name: LASHINSKI SEPTIC SERVICE
License number: L65

Inspector signature:
Phone number: 763-434-3915

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.	☐ 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:

TANK PUMPED

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: 7/11/2001 *(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 (A*ttach 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	98'11"
B. Periodically saturated soil/bedrock	<96'10"
C. System separation	>36"
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: _____ 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.*

Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

Address 19430 Orwell Court

Boring #1 Elevation:100'6"	Boring #2 Elevation:	Boring #3 Elevation:
0-12 10YR 3/3 topsoil -46 1010YR 5/4 medium washed sand, mound sand. -56 10YR 3/3 loam topsoil. No redoximorphic mottling observed. Soil dry.		

Sketch:

Comments: Benchmark = Top of rockbed in mound. Assumed elevation = 100'0". The bottom of the mound rockbed elevation is 98'11". Soil boring #1, taken directly alongside the mound indicated no redoximorphic mottling at a depth of 56" with wet conditions observed at the interface of the mound and original soils. This system does meet the required 36" (31" w/allowable 15% reduction) vertical separation from seasonally saturated soils. The system consists of a two 1000-gallon septic tanks, a 1000-gallon lift tank and a 600 sq. ft. pressurized mound system. The tanks were pumped at the time of inspection and found to be in good condition. Probe samples taken in the mound indicated no signs of excess ponding in the rockbed or sand layers of the mound. The lift pump was manually tested and operable. This inspection is not a warranty or guarantee, either written or implied, of future or long-term hydraulic functionality/performance, but rather a determination if the systems use is/may cause pollution and/or adverse harm to the environment, groundwater or public health and safety at the time of this inspection. No guarantee can be made on future hydraulic performance, or the performance of system components (pumps, controls, etc.). Changes in use can cause any system, failing or compliant, to become hydraulically overloaded and ultimately fail. Owner/buyer assumes full responsibility for the long-term performance of this system as well as any future upgrade, repairs or replacement costs. Liability is limited to the cost of this inspection.

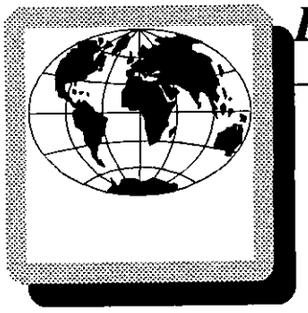
Washington County, MN

May 28, 2019

1:500

0 20 40 80 ft

0 5 10 20 m



EARTH SCIENCE TESTING

SOILS INFORMATION COMPANY

SOIL BORINGS

BORING NO 1

0"- 2" = DARK BROWN FINE LOAM. (10YR 4/2)
2"- 12" = LIGHT REDDISH TAN FINE LOAMY SAND. (10R 5/4)
12"- 18" = DARK BROWN FINE SANDY LOAM. (10YR 4/2)
18"- 32" = LIGHT BROWN FINE SILTY SAND. (10YR 5/4)
32"- 37" = REDDISH BROWN FINE SANDY LOAM, IRONSTAINS & MOTTLED. (10R 4/4)
37"- 44" = RED BROWN FINE SANDY CLAY LOAM & ROCKS. (10R 4/3)
END BORE

BORING NO 2

0"- 6" = DARK BROWN FINE SANDY LOAM. (10YR 4/2)
6"- 26" = LIGHT BROWN FINE LOAMY SAND. (10YR 5/4)
26"- 34" = REDDISH BROWN FINE SANDY CLAY LOAM, IRONSTAINS & MOTTLED. (10R 4/4)
END BORE

BORING NO 3

0"- 7" = DARK BROWN FINE SANDY LOAM. (10YR 4/2)
7"- 28" = LIGHT BROWN VERY FINE LOAMY SAND. (10YR 5/4)
28"- 33" = REDDISH BROWN FINE SANDY CLAY LOAM, LIGHT IRONSTAINS & MOTTLED. (10R 4/4)
28"- 33" = REDDISH BROWN FINE SANDY CLAY LOAM, HEAVY IRONSTAINS & MOTTLED. (10R 4/4)
END BORE

BORING NO 4

0"- 7" = DARK BROWN FINE SANDY LOAM. (10YR 4/2)
7"- 22" = LIGHT BROWN FINE SANDY LOAM. (10YR 5/4)
22"- 28" = REDDISH BROWN FINE SANDY LOAM, CLAY FILM. (10R 4/4)
28"- 36" = REDDISH BROWN FINE SANDY CLAY LOAM, IRONSTAINS & MOTTLED. (10R 4/4)
36"- 46" = REDDISH BROWN FINE LOAMY SAND, WET, IRONSTAINS & MOTTLED. (10R 4/4)

END BORE