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): 6/10/2019

☐ **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: 1602920330006

Property address: 3141 OAKGREEN AVE N, TOWN OF BAYTOWN
Reason for inspection: PROPERTY TRANSFER

Property owner: SIMPSON GERALD T TRS
Owner's phone:

or

Owner's representative:
Representative phone:

Local regulatory authority: WASHINGTON COUNTY
Regulatory authority phone:

Brief system description: 1000-GALLON SEPTIC TANK, 1000-GALLON LIFT TANK AND GRAVITY DRAINFIELD TRENCHES

Comments or recommendations:

LIFT PUMP AND ALARM INOPERABLE

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:
LIFT PUMP AND ALARM INOPERABLE

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:

4. Soil Separation – Compliance component #4 of 5

Date of installation: 8/11/1989 *(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	30""
B. Periodically saturated soil/bedrock	33"
C. System separation	3"
D. Required compliance separation*	24"

*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 3141 Oakgreen Avenue

Boring #1 Elevation:		Boring #2 Elevation:	Boring #3 Elevation:
0-10	10YR 3/3 loam topsoil		
-31	10YR 4/2 dark grayish brown silt loam.		
-60	10YR 5/4 yellowish brown silt loam. Redoximorphic mottling after 33".		

Comments: Benchmark = Top of septic tank. Assumed elevation = 100'0. SB#1 indicated redoximorphic mottling at 33", the system does not meet the required 24" vertical separation distance from seasonally saturated soils. The system consists of a 1000-gallon septic tank, 1000-gallon lift tank with approximately 1500 sq. ft. of gravity drainfield trenches. The tanks were not pumped for this inspection, the lift pump and alarm were not operable and sewage is surfacing over the tank. Soil borings taken over the drainfield indicated no sign of excess ponding or saturation that would indicate hydraulic failure. This system is classified as noncompliant, contact Washington County with upgrade requirements. 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. 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

June 13, 2019

1:500

0 20 40 80 ft

0 5 10 20 m

SUBJECT TO APPROVAL
OF COUNTY BUILDING OFFICIAL

3141 Oakgreen Ave. N.
Stillwater

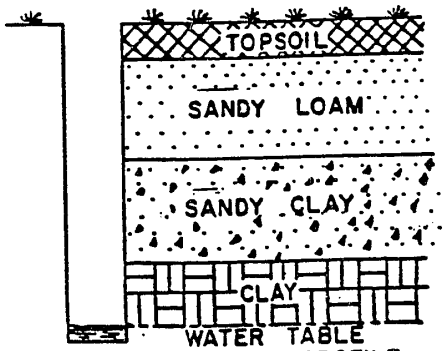
-SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



TYPICAL SOIL PROFILE

Auger Borings: 11/5/86

LOG OF SOIL BORINGS

BORING NO. 1		BORING NO. 2		BORING NO. 3		BORING NO. 4	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	Grayish Brown Silt Loam	0	Grayish Brown Sandy Loam	0	Very Dark Grayish Brown Sandy Loam	0	Very Dark Grayish Brown Silt Loam
1/2		1/2		1/2		1/2	
1	Very Dark Grayish Brown Silt Loam	1	Very Dark Grayish Brown Silt Loam	1		1	
1 1/2		1 1/2		1 1/2	Grayish Brown Silt Loam	1 1/2	Grayish Brown Silt Loam
2	Brown Silt Loam	2	Grayish Brown Sandy Loam	2		2	
2 1/2		2 1/2		2 1/2	Brown Silt Loam	2 1/2	Brown Silt Loam
3		3	Brown Sandy Loam	3		3	
3 1/2		3 1/2		3 1/2	Mottling Depth: 38"	3 1/2	
4	Dark Brown Silt Loam	4	Reddish Brown Loamy Sand	4		4	
4 1/2		4 1/2		4 1/2		4 1/2	Mottling Depth: 54"
5	Mottling Depth: 60"	5		5		5	
5 1/2		5 1/2		5 1/2		5 1/2	
6		6		6		6	
6 1/2		6 1/2		6 1/2		6 1/2	
7		7		7		7	
7 1/2		7 1/2		7 1/2		7 1/2	
8		8		8		8	
8 1/2		8 1/2		8 1/2		8 1/2	
9		9		9		9	

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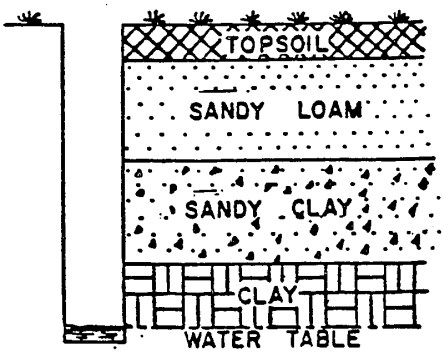
Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.

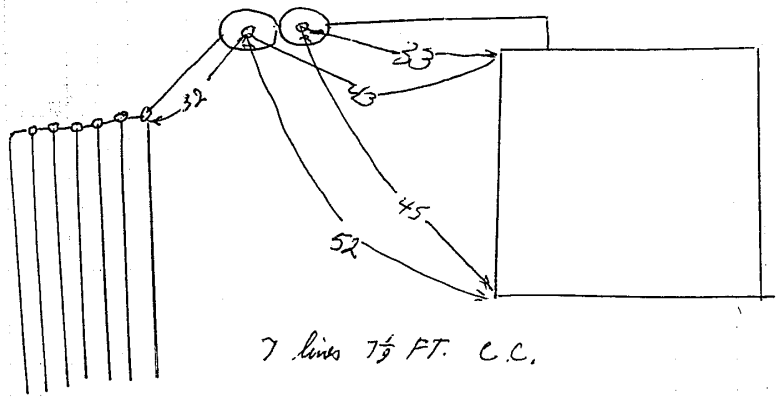


TYPICAL SOIL PROFILE

Auger Borings: 11/86

LOG OF SOIL BORINGS

BORING NO. 5		BORING NO. 6		BORING NO. 7		BORING NO. 8	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	Very Dark Grayish Brown Fn Sandy Loam	0	Very Dark Grayish Brown Fn Sandy Loam	0	Very Dark Grayish Brown Fn Sandy Loam	0	Very Dark Grayish Brown Fn Sandy Loam
1/2		1/2	Brown Silt Loam	1/2	Brown	1/2	
1	Brown	1		1	Stoney	1	Brown
1 1/2		1 1/2	Dark Brown	1 1/2	Silt Loam	1 1/2	Silt Loam
2	Silt Loam	2		2		2	
2 1/2		2 1/2	Loamy Sand	2 1/2		2 1/2	
3		3		3	stone obstruction @ 32"	3	Brown
3 1/2	Dark Brown Loamy Sand	3 1/2	Brown	3 1/2		3 1/2	Loamy Sand
4		4		4		4	
4 1/2	Mottling Depth: 48"	4 1/2	Loamy Sand	4 1/2		4 1/2	
5		5		5		5	
5 1/2		5 1/2		5 1/2		5 1/2	Stone obstruction @ 60"
6		6	stone obstruction @ 70"	6		6	
6 1/2		6 1/2		6 1/2		6 1/2	
7		7		7		7	
7 1/2		7 1/2		7 1/2		7 1/2	
8		8		8		8	
8 1/2		8 1/2		8 1/2		8 1/2	
9		9		9		9	



7 lines 7½ FT. C.C.

NO