



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): 5/14/2019

[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: 0603221230015

Property address: 23565 Elmcrest Ave NE

Reason for inspection: Property transfer

Property owner:

Owner's phone:

or

Owner's representative: Larry Klecker

Representative phone: 651-734-5602

Local regulatory authority: Washington Co.

Regulatory authority phone: 651-4306000

Brief system description: Precast septic tank, lift tank with a pressurised mound.

Comments or recommendations:

RECEIVED

AUG 14 2019

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: Mark Soderstrom

Certification number: 1296

Business name: Soderstrom Sales

License number: L444

Inspector signature:

Phone number: 763-434-6140

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] System/As-built drawing [] Forms per local ordinance
[] Other information (list): No records on file

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 type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input type="checkbox"/> 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:

Lift tank cover needs to be replaced.

- 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: 1999? Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

<p>Compliance criteria:</p> <p>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:</p> <p>Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>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:</p> <p>Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>“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)</p> <p>Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No

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	+24"
B. Periodically saturated soil/bedrock	-18"
C. System separation	42"
D. Required compliance separation*	36+

*May be reduced up to 15 percent if allowed by Local Ordinance.

Any “no” answer above indicates the system is failing to protect groundwater.

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.

<p>Compliance criteria</p> <p>a. Operating Permit number: _____ Have the Operating Permit requirements been met?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>b. Is the required nitrogen BMP in place and properly functioning?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> 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.



Client / Address:		23565 Elmcrest Ave		Legal Description / GPS:	
Soil parent material(s): (Check all that apply)					
<input type="checkbox"/> Summit		<input type="checkbox"/> Shoulder		<input type="checkbox"/> Toe Slope	
<input type="checkbox"/> Outwash		<input type="checkbox"/> Lacustrine		<input type="checkbox"/> Bedrock	
<input type="checkbox"/> Loess		<input type="checkbox"/> Till		<input type="checkbox"/> Alluvium	
<input type="checkbox"/> Organic Matter					
Landscape Position: (check one)					
<input type="checkbox"/> Summit		<input type="checkbox"/> Back/Side Slope		<input type="checkbox"/> Foot Slope	
<input type="checkbox"/> Shoulder		<input type="checkbox"/> Toe Slope		<input type="checkbox"/> Slope shape	
Vegetation		Soil survey map units		Elevation:	
Grass				1.0	
Weather Conditions/Time of Day:		Clear/ Noon		Date	
				05/14/19	
Observation #/Location:					
B-1					
Observation Type:		Auger			
Depth (in)		Texture		Indicator(s)	
0to4"		Loamy Fine Sand		Shape	
4to18"		Loamy Fine Sand		Grade	
18"+		Loamy Fine Sand		Consistence	
		Rock Frag. %			
		<35%			
		Matrix Color(s)			
		7.5YR 3/2			
		Mottle Color(s)			
		7.5YR 4/4			
		Redox Kind(s)			
		7.5YR 4/4			
		Depletions			
		S1			
		Blocky		Moderate	
		Friable			
		Granular		Weak	
		Friable			
		Granular		Weak	
		Friable			
Comments					
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.					
Mark Soderstrom		L444		#REF!	
(Designer/Inspector)		(License #)		(Date)	
				5/14/2019	

<p>Textures:</p> <p>c-clay s1c-silty clay sc-sandy clay cl-clay loam</p>	<p>Subsoil Indicator(s) of Saturation:</p> <p>S1. Distinct gray or red redox features S2. Depleted matrix (value >/=4 and chroma </=2) S3. 5Y chroma </= 3 S4. 7.5 YR or redder faint redox concentrations or redox depletion</p>	<p>Consistence:</p> <p><u>Loose-</u> Intact specimen not available <u>Friable-</u> Slight force between fingers <u>Firm-</u> Moderate force between hands or slight foot pressure <u>Extremely firm-</u> Moderate force between hands or slight foot pressure <u>Rigid-</u> Foot pressure</p>
<p>s1cl-silty clay loam scl-sandy clay loam si-silt sil-silt loam l-loam sl-sandy loam* ls-loamy sand* s-sand*</p>	<p>If yes to one of the above indicators then: Topsoil Indicator(s) of Saturation:</p> <p>T1. Wetland Vegetation T2. Depressional Landscape T3. Organic texture or organic modifiers T4. N 2.5/ 0 color T5. Redox features in topsoil T6. Hydraulic indicators</p> <p>*Sand Modifiers</p> <p>co-coarse m-medium f-fine vf-very fine</p>	<p>Slope Shape:</p> <p>Slope shape is described in two directions: up and down slope (perpendicular to the contour), and across slope (along the horizontal contour); e.g. Linear, Convex or LV.</p>
<p>Soil Structure</p> <p>Grade:</p> <p><u>Massive-</u> No observable aggregates, or no orderly arrangement of natural lines of weakness <u>Weak-</u> Poorly formed, indistinct peds, barely observable in place <u>Moderate-</u> Well formed, distinct peds, moderately durable and evident, but not distinct in Durable peds that are quite evident in un-displaced soil, adhere weakly to one another, withstand displacement, and become separated when soil is disturbed <u>Loose-</u> No peds, sandy soil</p>	<p>Soil Structure</p> <p>Shape:</p> <p><u>Granular-</u> The peds are approximately spherical or polyhedral and are commonly found in topsoil. These are the small, rounded peds that hang onto roots <u>Platy-</u> The peds are flat and plate like. They are oriented horizontally and are usually overlapping. Platy structure is commonly found in forested <u>Blocky-</u> The peds are block-like or polyhedral, and are bounded by flat or slightly rounded surface that are casting of the faces of surrounding peds. <u>Prismatic-</u> Flat or slightly rounded vertical faces bound the individual peds. Peds are distinctly longer vertically, and faces are typically cast or molds of <u>Single Grain-</u> The structure found in a sandy soil. The individual particles are not held together.</p>	

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SEMI LIFTTANK



LIFT LINE



WELL

OB-1

