



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): 4/17/2020

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: 2503021210004

Property address: 7895 Leeward Ave. N, Stillwater, MN Reason for inspection: Property Sale

Property owner: William Ohl Owner's phone: _____

or
Owner's representative: _____ Representative phone: _____

Local regulatory authority: _____ Regulatory authority phone: _____

Brief system description: 1250 gallon septic tank - drainfield trenches

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: Chris Bosshart Certification number: C2487

Business name: Environmental Design Group, Inc License number: L1955

Inspector signature: Phone number: 651-341-6938

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:

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: 8/24/1987 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.

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	28 inches
B. Periodically saturated soil/bedrock	56 inches
C. System separation	28 inches
D. Required compliance separation*	24 inches

*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.

Compliance criteria

- a. Operating Permit number: _____ 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.

OSTP Soil Observation Log

Project ID:



Client/ Address: William Ohi, 7895 Leeward Ave N, Stillwater		Legal Description/ GPS:		2.50302E+12					
Soil parent material(s): (Check all that apply) <input type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input checked="" type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter									
Landscape Position: (check one) <input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Back/Side Slope <input type="checkbox"/> Foot Slope <input type="checkbox"/> Toe Slope Slope shape: <i>No slope</i>									
Vegetation	Grass	Soil survey map units	120	Slope%	2.0	Elevation:			
Weather Conditions/Time of Day:		Sunny Morning		Date	04/17/20				
Observation #/Location:		SB1		Observation Type:		Auger			
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure		
							Shape	Grade	Consistence
0-19	Loam		10YR 4/4	<i>/</i>	<i>/</i>	<i>/</i>	Granular	Weak	Loose
19-32	Silt Loam		10YR 4/6	<i>/</i>	<i>/</i>	<i>/</i>	Blocky	Weak	Friable
32-56	Silt Loam		10YR 4/5	<i>/</i>	<i>/</i>	<i>/</i>	Blocky	Weak	Friable
56-60	Silt Loam		10YR 4/5	Red / Grey <i>2.5YR 7/2</i>	Depletions	S1	Blocky	Weak	Friable
Comments									
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.									
Chris Bosshart		<i>[Signature]</i>		1955		<i>4/17/2020</i>			
(Designer/Inspector)		(Signature)		(License #)		(Date)			

Washington County, Minnesota

120—Brill silt loam

Map Unit Setting

National map unit symbol: 1t93l

Elevation: 800 to 1,950 feet

Mean annual precipitation: 27 to 33 inches

Mean annual air temperature: 39 to 46 degrees F

Frost-free period: 135 to 180 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Brill and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Brill

Setting

Landform: Drainageways on outwash plains

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Loess over outwash

Typical profile

A - 0 to 3 inches: silt loam

E - 3 to 11 inches: silt loam

B/E - 11 to 14 inches: silt loam

Bt - 14 to 35 inches: silt loam

2C - 35 to 60 inches: stratified sand to coarse sand

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: About 30 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 7.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: C

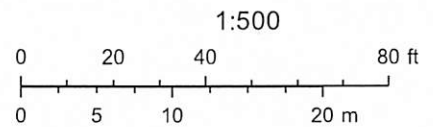
Forage suitability group: Sloping Upland, Acid (G090XN006MN)

Hydric soil rating: No

Washington County, MN



April 20, 2020



Washington County

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
GOVERNMENT CENTER
14949 62nd STREET NORTH P.O. BOX 6 STILLWATER, MN 55082-0006
Office: 651-430-6655 TTY: 651-430-6246 FAX: 651-430-6730

Subsurface Sewage Treatment System Maintenance Permit

This section must be completed in its entirety to constitute a valid maintenance permit. This permit must be completed prior to performing maintenance activities and remain on-site for the duration of the maintenance activity.

Date of Maintenance: 4-15-20 Reason for Maintenance: Flowline

Property Address: 7795 Leeward Ave N Property Owner's Name: Williams Dhe

Municipality: Stillwater ZIP: 55158 Property Identification Number: _____

Maintenance Permit No: V 45790 18840 Maintainer Name and License No. Pinky's Environmental Sewer Service / L1673

Maintenance Performed	Tank Measurement (must be completed if tanks NOT pumped)
<input checked="" type="checkbox"/> Tank(s) Pumped	Liquid Level of Tank _____ in
<input type="checkbox"/> Sludge and scum measured	Sludge Level in Tank _____ in Scum Level in Tank _____ in
Do tanks need to be pumped?	Sludge + Scum _____ / Liquid Level _____ X 100
<input type="checkbox"/> Yes <input type="checkbox"/> No (if no provide measurements)	= % Sludge & Scum Tanks must be pumped if 25% or greater

- Access used to remove septage: Maintenance Hole Other (enter authorization code)
- Were all covers securely replaced? Yes No
- Is there evidence of tank leakage from a septic, holding, pretreatment or pump tank below the operating depth or evidence of damaged, cracked, or structurally unsound maintenance hole covers? Yes No

Tank	Leaking Out	Leaking In	Cover Damage
Septic/Holding Tank #1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Septic/Holding Tank #2	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pretreatment Tank	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pump Tank	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

4. How many gallons of septage were removed?
Tank #1 1250 gal Tank #2 _____ gal Pretreatment tank _____ gal Pump Tank _____ gal

5. Other information: List any troubleshooting, minor repairs conducted, tank safety concerns, or other concerns.

6. Location of septage disposal: _____

Pinky's Environmental Sewer Service Inc.
PO Box 354
Afton MN 55001
P: 651-439-4847 License Number: L1673

to the Department within 90 days.