



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): 8/9/2017

[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:

Property address: 11241 Penfield Ave Stillwater, MN 55082

Reason for inspection: Sale

Property owner: Ken and Barbara Hoepner

Owner's phone: bahoepner@gmail.com

or

Owner's representative:

Representative phone:

Local regulatory authority: Washington County

Regulatory authority phone: 651-430-6000

Brief system description: 1250 gallon pre cast septic tank, gravity drop box drainfield

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: Benjamin Zierke

Certification number: 9594

Business name: Zierke Soil Testing

License number: 119

Inspector signature: [Handwritten Signature]

Phone number: 651-249-1346

Necessary or Locally Required Attachments

- [X] Soil boring logs
[X] 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:

Ken did not report any issues with the system.

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:

Tank pumped by Myers 7/14/17 - see attached.

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: 1990 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	97.3'
B. Periodically saturated soil/bedrock	93.5'
C. System separation	3.8'
D. Required compliance separation*	2.0'

*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.

Legend

Relative Elevations (in feet)

B1: 100.0, redox 93.5

Top of rock: 98.8

Bottom of rock: 97.3

B1 Separation: 3.8

Benchmark: 103.6
(Top of AC unit N Side of house)

Height of instrument: 105.5



Google Earth

Logs of Soil Borings

Location of Project: 11241 Penfield Ave Stillwater, MN 55082

Borings Made by Ben Zierke

Date: 7/10/2017

Hand bucket auger used for borings; USDA - SCS Soil Classification used.

Depth, in Inches	Boring Number 1	Depth, in Inches	Boring Number 2
0-----	-----	0-----	-----
0-6"	10YR 3/3 loamy sand		
6-60"	10YR 5/4 medium to coarse grain sand, 10% coarse fragments		
60-84"	10YR 5/3 fine to medium grain sand, fine loamy bands below 66", light iron staining present at 78"		

End of boring at 7 feet

Standing water table:

Present at _____ feet of depth _____ Hours after boring

Standing water not present in hole

Mottled Soil:

Observed at 6.5 feet of depth

Mottled soil not present in bore hole

Comments:

End of boring at _____ feet

Standing water table:

Present at _____ feet of depth _____ Hours after boring

Standing water not present in hole

Mottled Soil:

Observed at _____ feet of depth

Mottled soil not present in bore hole

Comments:

Depth, in Inches	Boring Number 3	Depth, in Inches	Boring Number 4
0-----	-----	0-----	-----

End of boring at _____ feet

Standing water table:

Present at _____ feet of depth _____ Hours after boring

Standing water not present in hole

Mottled Soil:

Observed at _____ feet of depth

Mottled soil not present in bore hole

Comments:

End of boring at _____ feet

Standing water table:

Present at _____ feet of depth _____ Hours after boring

Standing water not present in hole

Mottled Soil:

Observed at _____ feet of depth

Mottled soil not present in bore hole

Comments:



ARTMI

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CHECK	CASH	CHARGE	CREDIT CARD CHARGES PLEASE CALL	DATE
		<input checked="" type="checkbox"/>		7-14-17
NAME: Kenneth Heppner				
ADDRESS: 11241 Deerfield Ave N.				
PUMPED AND BACKFLUSHED:				
Septic Tank				250 w.
Overflow Tank				
Cesspool				
Holding Tank				
Lift Station				
Distribution or Junction Box				
Extra Backflushing				
100 feet of hose (Extra charge for over 100 feet of hose)				
Washington County Fee				17.00
PUMPED:				
Sandtrap				
Sump				
Other: Day Manhole				100.00
Weekend or Evening Charge				
RECEIVED BY X			TOTAL	367.00
TOTAL GALLONS: 1350				
Pumped through manhole or inspection pipe				
Septic tank: Precast - Block - Plastic - Unknown				
Overflow tank: Precast - Block - Plastic - Unknown				
Condition of baffle: Good, Repair Needed, or Unknown				
Drainfield: Mound, Trench, or Unknown				
Effluent surface discharge: Yes or No				
Lift Station: Yes or No				
Comments:				

63263

Thank You



LTH AND ENVIRONMENT CENTER
6 STILLWATER, MN 55082-0006
30-6246 FAX: 651-430-6730

System Maintenance Permit

This permit must be completed prior to the maintenance activity.

Customer's Name: KENNETH HEPPNER

Address:

Meyer Sewer Service, Inc./L915

Permit to be completed if tanks NOT pumped

in
in Scum Level in Tank _____ in
in Oil Level _____ X 100
Tanks must be pumped if 25% or greater

Code)

Is any tank below the operating depth or inverted?

Cover Damage

- Yes No
- Yes No
- Yes No
- Yes No

_____ gal Pump Tank _____ gal
Safety concerns, or other concerns.

Meyer Sewer Service, Inc.
5325 Manning Ave S
Afton, MN 55001
License# 915 P: 651-459-0162

Maintenance activities must be reported to the Department within 90 days.



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: 7/14/17 Reason for Maintenance: Routine
 Property Address: 11241 PENFIELD AVE N Property Owner's Name: KENNETH HETPAER
 Municipality: STILLWATER TNSP ZIP: 55082 Property Identification Number: _____
 Maintenance Permit No: 99916448 Maintainer Name and License No. Meyer Sewer Service, Inc./L915

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

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

- How many gallons of septage were removed?
 Tank #1 1220 gal Tank #2 _____ gal Pretreatment tank _____ gal Pump Tank _____ gal
- Other information: List any troubleshooting, minor repairs conducted, tank safety concerns, or other concerns.

6. Location of septage disposal: _____

Meyer Sewer Service, Inc.
 5325 Manning Ave S
 Afton, MN 55001
 License# 915 P: 651-459-0162

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