



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.

For local tracking purposes:

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

System Status

System status on date (mm/dd/yyyy): 4/3/2019

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: 1903220430001

Property address: 20161 MANNING TRL N SCANDIA Reason for inspection: PROPERTY TRANSFER

Property owner: KAISER COLLEEN K Owner's phone: _____

or
 Owner's representative: _____ Representative phone: _____

Local regulatory authority: WASHINGTON COUNTY Regulatory authority phone: _____

Brief system description: 1250-GALLON SEPTIC TANK WITH 500 SQ FT GRAVITY 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: RYAN LASHINSKI Certification number: 3053

Business name: LASHINSKI SEPTIC SERVICE License number: L65

Inspector signature: [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.	<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:

TANKS PUMPED 10/30/18

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: 10/18/1991 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:

PREVIOUS VERIFICATIONS ATTACHED - 2013 and 1991

Indicate depths or elevations

A. Bottom of distribution media	94'5"
B. Periodically saturated soil/bedrock	92'0"
C. System separation	29"
D. Required compliance separation*	24"

*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.



Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

Address 20161 Manning Trail, Scandia

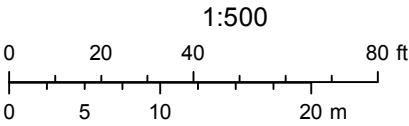
Boring #1 Elevation: 95'8"		Boring #2 Elevation:	Boring #3 Elevation:
0-15	10YR 3/3, 3/4 loam topsoil		
-44	10YR 5/4 yellowish brown sandy loam.		
-66	7.5YR 5/4, 4/4 yellowish brown medium sand and gravel, iron stains present. Faint redoximorphic mottling observed above this sand layer at 44", may be influence from drainfield. soil moist/wet.		

Comments: Benchmark = Liquid level of tank. Assumed elevation = 100'0". Soil borings #1 indicated slight redoximorphic mottling at a depth of 44". The system does meet the required 24" vertical separation distance from seasonally saturated soils and is classified as compliant. The system consists of a 1250-gallon septic tank with 510 sq. ft. of gravity drainfield trenches w/12" of rock beneath the distribution pipe. The tank was pumped in 2018 and found to be in good condition, the baffles were checked and are o.k. Soil borings taken over the drainfield trenches indicated no sign of excess ponding or saturation above or in the upper layer of the rockbed that would indicate hydraulic failure. The liquid level in the last three boxes was at normal levels below the outlet pipe. 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. Buyers should be aware of the age of the system (28 years). 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



April 3, 2019



Logs of Soil Borings

B-31

Location or Project Stan Ryhn prop., 20161 Manning Trail, 9.3 acre parcel, New Scandia Twp.

Borings made by Chris Zierke Date 8/27/91

Classification System: AASHO _____; USDA-SCS x; Unified _____; other _____

Auger used (check two): Hand x, or Power _____; Flight _____, or Bucket x; other _____

Depth, in feet	Boring number <u>B-1</u> Surface elevation _____	Depth, in feet	Boring number <u>B-2</u> Surface elevation _____
0		0	
10"	Dark-brown loamy sand	1 14"	Dark-brown loamy sand
2	Yellowish-brown loamy sand, gravelly in places, numerous pebbles, scattered iron-staining below 30" of depth	2	
3		3	Yellowish-brown medium-grained sand, gravelly in places, numerous pebbles below 30" of depth, scattered iron-staining from 48-54" of depth
4		4	
5	Brown medium to coarse-grained gravelly sand	5	
6		6	
7	Brown fine-grained sand, light iron-staining	7 76"	Brown fine-grained sand, light iron-staining
8		8	

End of boring at 7 feet.

Standing water table:

Present at _____ feet of depth,
_____ hours after boring.

Not present in boring hole x.

Mottled soil:

Observed at _____ feet of depth.

Not present in boring hole x.

Observations and comments:

End of boring at 7 feet.

Standing water table:

Present at _____ feet of depth,
_____ hours after boring.

Not present in boring hole x.

Mottled soil:

Observed at _____ feet of depth.

Not present in boring hole x.

Observations and comments:

Logs of Soil Borings

B-31

Location or Project Stan Ryhn prop., 20161 Manning Trail, 9.3 acre parcel, New Scandia Twp.

Borings made by Chris Zierke Date 8/27/91

Classification System: AASHO _____; USDA-SCS x; Unified _____; other _____

Auger used (check two): Hand x, or Power _____; Flight _____, or Bucket x; other _____

Depth, in feet	Boring number <u>B-3</u> Surface elevation _____	Depth, in feet	Boring number <u>B-4</u> Surface elevation _____
0 —		0 —	
1 —	Brown loamy sand	10" —	Brown loamy sand
2 —		1 —	
3 —		2 —	Yellowish-brown loamy sand, pebbles common
4 —	Yellowish-brown gravelly sand, numerous pebbles	3 —	
5 —		4 —	Brown gravel, scattered iron-staining
6 —		5 —	
7 —		6 —	obstruction
8 —		7 —	
		8 —	

End of boring at 7 feet.

Standing water table:

Present at _____ feet of depth,
_____ hours after boring.

Not present in boring hole x.

Mottled soil:

Observed at _____ feet of depth.

Not present in boring hole x.

Observations and comments:

End of boring at 6 feet.

Standing water table:

Present at _____ feet of depth,
_____ hours after boring.

Not present in boring hole x.

Mottled soil:

Observed at _____ feet of depth.

Not present in boring hole x.

Observations and comments:

4. Soil Separation – Compliance component #4 of 5

Date of installation: 10/18/1991 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	36"
B. Periodically saturated soil/bedrock	>66"
C. System separation	>30"
D. Required compliance separation*	24"

*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.

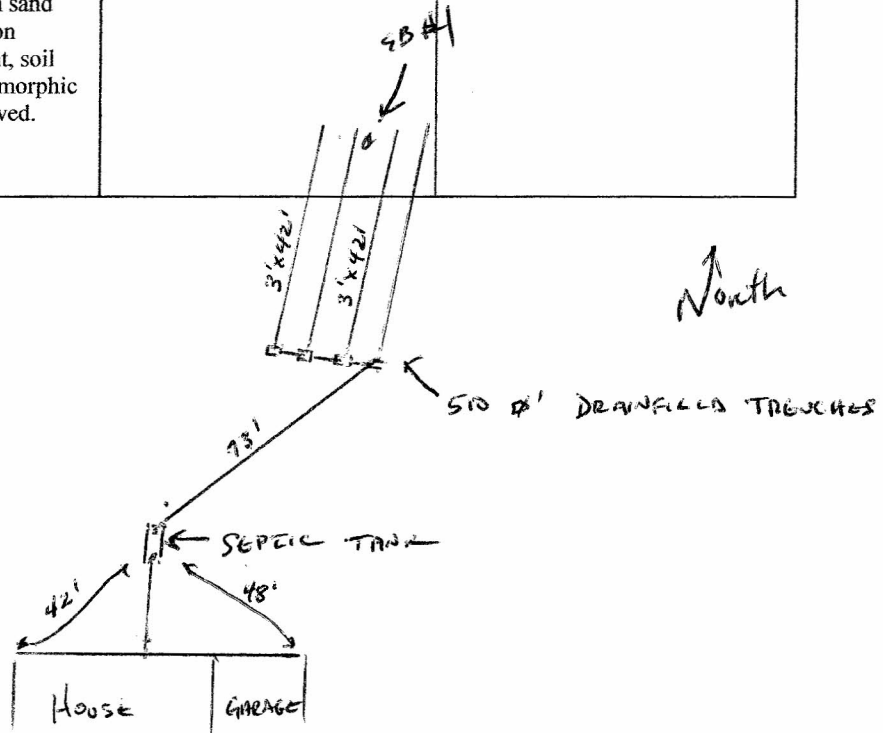


Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

Address 20161 Manning Trail, Scandia

Boring #1 Elevation:	Boring #2 Elevation:	Boring #3 Elevation:"
0-12 10YR 3/3 dark yellowish brown loamy sand and topsoil. 10YR 4/4 dark yellowish brown loamy sand. -40 10YR 5/4 yellowish brown fine/loamy sand and gravel -66 10R 5/4 yellowish brown medium sand and gravel. Iron staining present, soil dry. No redoximorphic mottling observed.		

Sketch:



Comments: Benchmark = top of septic tank. Assumed elevation = 100.0'. Soil borings #1 indicated no signs of redoximorphic mottling at a depth of 66". The system does meet the required two-foot vertical separation from seasonally saturated soils. The system consists of a 1250-gallon septic tank and approximately 510 sq. ft. of gravity drainfield trenches. Probe samples taken in the rockbed of each of the four drainfield trenches indicated dry conditions with no signs of excess moisture or ponding. The house has been vacant at the time of this inspection with the system receiving little or no water use. The tanks were not pumped out prior to this inspection. This inspection is not a warranty or guarantee, either written or implied, of future hydraulic performance, but rather an assessment of whether the systems use, at the time of this inspection, is causing any adverse harm to the environment, groundwater or public health and/or safety. Changes in use can cause any system, whether compliant or noncompliant, to become hydraulically overloaded and ultimately fail. Buyer should be aware of the age of the system. Buyer assumes full responsibility of future hydraulic functionality and/or future replacement costs.