

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions: Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

Property information

Local tracking number: _____

Parcel ID# or Sec/Twp/Range: 3503220440003 Reason for Inspection Sale of home

Local regulatory authority info: Washington County

Property address: 15097 Old Marine Trail Marine on St Croix

Owner/representative: Glenn Nickele Owner's phone: _____

Brief system description: 1250-gallon septic tank and a 800sqft gravity drainfield with soils already verified

System status

System status on date (mm/dd/yyyy): 4/11/2023

Compliant – Certificate of compliance*

(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)

***Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

Noncompliant – Notice of noncompliance

Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.

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 or under section 145A.04 subdivision 8.

Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

Comments or recommendations

Original system from 1990. Buyers should be aware of the age of this system as it may be approaching its expected life. This inspection is no guarantee of future hydraulic performance.

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.

By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Business name: Lashinski Septic Certification number: 3052

Inspector signature:  License number: L4266

(This document has been electronically signed) Phone: 763-434-3915

Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- 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.

Describe verification methods and results:

Attached supporting documentation:

- Other: _____
- Not applicable

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

Any "yes" answer above indicates the system is failing to protect groundwater.

Describe verification methods and results:

Attached supporting documentation:

- Empty tank(s) viewed by inspector
 - Name of maintenance business: Lashinski Septic
 - License number of maintenance business: L4266
 - Date of maintenance: 4/2/2024
- Existing tank integrity assessment (Attach)
 - Date of maintenance (mm/dd/yyyy): _____ (must be within three years)
 - (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: _____

3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes* No Unknown

3b. Other issues (*electrical hazards, etc.*) to immediately and adversely impact public health or safety? Yes* No Unknown

***Yes to 3a or 3b - System is an imminent threat to public health and safety.**

3c. System is non-protective of ground water for other conditions as determined by inspector?

Yes* No

3d. System not abandoned in accordance with Minn. R. 7080.2500?

Yes* No

***Yes to 3c or 3d - System is failing to protect groundwater.**

Describe verification methods and results:

Attached supporting documentation: Not applicable

4. Operating permit and nitrogen BMP* – Compliance component #4 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 specified in the system design? 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. 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.

Describe verification methods and results:

Attached supporting documentation: Operating permit (Attach)

5. Soil separation – Compliance component #5 of 5

Date of installation 10/1/1990 (mm/dd/yyyy) [] Unknown

Shoreland/Wellhead protection/Food beverage lodging? [] Yes [] No

Compliance criteria (select one):

5a. 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: [x] Yes [] No* Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. 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.*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required <= 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day) [] Yes [] No* Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Attached supporting documentation:

- [] Soil observation logs completed for the report
[x] Two previous verifications of required vertical separation
[] Not applicable (No soil treatment area)
[]

Indicate depths or elevations

Table with 2 columns: Description, Value. Rows: A. Bottom of distribution media, B. Periodically saturated soil/bedrock, C. System separation (24"), 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.

Describe verification methods and results:

2 separate inspectors have verified the soils.

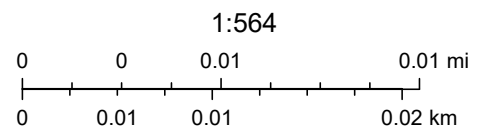
Upgrade requirements: (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance.

ArcGIS Web AppBuilder



4/3/2024, 2:01:49 PM

 Parcels



Maxar, Microsoft

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:

Examined soil pit 7/2/2018.

Indicate depths or elevations

A. Bottom of distribution media	46"
B. Periodically saturated soil/bedrock	72"+
C. System separation	26"+
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.

Logs of Soil Borings

Location of Project: 15097 Old Marine Trail, Marine on St Croix 55047

Borings Made by Ben Zierke

Date:

7/2/2018

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-----	-----
0-12"	10YR 3/3 silt loam		
12-30"	10YR 4/3 silt loam		
30-48"	7.5YR 4/4 sandy loam, 25-30% coarse fragments		
48-72"	7.5YR 4/4 medium sand, 10-25% coarse fragments		

End of boring at 6 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:

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:

BORING LOG

BORING 1	BORING 2
0-5" DARK BROWN FINE SANDY LOAM	0-8" DARK BROWN FINE SANDY LOAM
5"-38" BROWN FINE SANDY LOAM	8"-36" BROWN FINE SANDY LOAM
38"-68" BROWN FINE LOAMY SAND AND ROCKS (SLIGHT FILM)	36"-59" BROWN FINE MEDIUM LOAMY SAND AND ROCKS (FILM)
68"- 8'0" LIGHT BROWN FINE TO MEDIUM LOAMY SAND AND ROCKS	59"- 8'0" BROWN MEDIUM COARSE SAND AND GRAVEL
8'0" END BORING	8'0" END BORING
End of boring at <u>8'-0"</u> feet. Standing water table: Present at _____ feet of depth, _____ hours after boring. Not Present in boring hole <u>X</u> .	End of boring at <u>8'-0"</u> feet. Standing water table: Present at _____ feet of depth, _____ hours after boring. Not present in boring hole <u>X</u> .
Mottled soil: Observed at _____ feet of depth. Not present in boring hole <u>X</u> .	Mottled soil: Observed at _____ feet of depth. Not present in boring hole <u>X</u> .
Observations and comments:	Observations and comments:

BORING LOG

BORING 3	BORING 4
0-6" DARK BROWN FINE SANDY LOAM	0-5" DARK BROWN FINE SANDY LOAM
6"- 8'0 LIGHT BROWN FINE TO MEDIUM LOAMY SAND AND ROCKS	5"-20" BROWN FINE SANDY LOAM
8'0 END BORING	20"- 8'0 LIGHT BROWN FINE TO MEDIUM LOAMY SAND
	8'0 END BORING
End of boring at <u>8'0</u> feet. Standing water table: Present at _____ feet of depth, _____ hours after boring. Not Present in boring hole <u>X</u> . Mottled soil: Observed at _____ feet of depth. Not present in boring hole <u>X</u> . Observations and comments:	End of boring at <u>8'0</u> feet. Standing water table: Present at _____ feet of depth, _____ hours after boring. Not present in boring hole <u>X</u> . Mottled soil: Observed at _____ feet of depth. Not present in boring hole <u>X</u> . Observations and comments: