

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: 05.029.21.44.0027 Reason for Inspection property sale

Local regulatory authority info: Washington County

Property address: 7821 Demontreville Trail Lake Elmo, MN 55042

Owner/representative: Constance Thai Owner's phone: 616-406-7799

Brief system description: "201" system. Septic tank and a pump tank lifting to a mound drainfield.

System status

System status on date (mm/dd/yyyy): 7/29/2021

Compliant – Certificate of compliance*

Noncompliant – Notice of noncompliance

(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.)

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.

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

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

Reviewed septic system records on file at the City of Lake Elmo and Washington County.

34" vertical separation distance OK as per the 15% reduction allowed in Subsurface Sewage Treatment Regulations Section 4.3 (4) which is attached to this report.

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: All State Septic Services LLC Certification number: 323

Inspector signature: Tom Trooien License number: 1568

(This document has been electronically signed) Phone: 612-594-4496

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:

Searched for seeping or surfacing to the ground surface - none observed during the inspection.

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:

The tanks were pumped during the inspection. Lowered a camera into the empty tanks - bottoms, walls, covers, baffles, risers and maintenance hole covers appear ok.

Attached supporting documentation:

- Empty tank(s) viewed by inspector
- Name of maintenance business: Smillie's Sewer Service
- License number of maintenance business: L2428
- Date of maintenance: 7/29/2021
- 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 1984 Unknown
(mm/dd/yyyy)

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: 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
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Indicate depths or elevations

A. Bottom of distribution media	97.3
B. Periodically saturated soil/bedrock	94.5
C. System separation	34"
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.**

Describe verification methods and results:

34" vertical separation distance OK as per the 15% reduction allowed in Subsurface Sewage Treatment Regulations Section 4.3 (4) which is attached to this report.

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.

7182
7821 DEMONTREVILLE
TRAIL

LAKE

DE MONTREVILLE TRAIL NO.

TREATMENT
BEDS

GARAGE

DRAWY.

WELL

BY

ORIGINAL DATE: []
FIELDWORK BY DATE: []
DRAWING BY DATE: []
CHECKED BY DATE: []

151	50	2000	DRAINING

DESIGNED BY
LDB DLW
CHECKED

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

TKDA

4.1 Treatment required.

Sewage discharged from a dwelling, group of dwellings, or other establishment that is not served by a system issued an operating permit containing effluent and discharge limits or specific monitoring requirements must be treated according to applicable requirements.

4.2 Compliance criteria for new construction.

An SSTS regulated under a current permit is considered compliant if it meets the applicable requirements of Section 16 to Section 21.

4.3 Compliance criteria for existing systems.

To be in compliance, an existing SSTS must meet the provisions of this subpart.

- (1) The SSTS must be protective of public health and safety. A system that is not protective is considered an imminent threat to public health or safety. At a minimum, a system that is an imminent threat to public health or safety is a system which discharges sewage or sewage effluent to the ground surface, drainage systems, ditches, or storm water drains or directly to surface water; systems that cause a reoccurring sewage backup into a dwelling or other establishment; systems which pose electrical hazards; systems which have sewage tanks that are unsecured, damaged, or with weak maintenance hole covers. A determination of protectiveness for other conditions must be made by a qualified employee of the Department or licensed inspection business.
- (2) The SSTS must be protective of groundwater. A system that is not protective is considered a system failing to protect groundwater. At a minimum, a system that is failing to protect groundwater is a system that is a cesspool; a system with less than the required vertical separation distance described in Section 4.3 (4) and Section 4.3 (5) of this Section; and a system not abandoned in accordance with Section 24. A determination of the threat to groundwater quality for this and other conditions must be made by a qualified employee of the Department or licensed inspection business.
- (3) The SSTS must meet performance standards and be managed and operated according to its operating permit.
- (4) SSTS built after March 31, 1996, or in an SWF area as defined in Section 2.2 (122), shall have a three (3) foot vertical separation. No more than a fifteen (15) percent reduction in the vertical separation distance is allowed to account for settling of sand or soil, normal variation of measurements, and interpretations of the limiting layer conditions.
- (5) SSTS built before April 1, 1996, in areas that are not SWF areas as defined in Section 2.2 (122), must have at least two (2) feet of vertical separation.
- (6) The vertical separation measurement for Section 4.3 (4) and Section 4.3 (5) shall be measured outside of the area of system influence in an area of similar soil and on the same contour elevation.
- (7) An existing SSTS which is found to be an imminent threat to public health and safety by a qualified employees of the Department, or a licensed inspection business, is hereby declared to be a public health nuisance and shall be abated within ten (10) days from the date the Owner is given notice. The system shall be repaired, upgraded, replaced or its use discontinued within ninety (90) days from the date the

Compliance criteria for existing systems.

A system that discharges untreated sewage to the ground surface, ditches, storm water drains or surface water is considered to be an imminent threat to public health and safety.

A system that is not protective of groundwater is considered to be failing to protect groundwater.