MINNESOTA POLLUTION CONTROL AGENCY

520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions: Inspector must submit completed form to Local Government 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: 22.028.20.22.0003 Reason for Inspection routine

Local regulatory authority info: Washington County

Property address: 15057 Afton Blvd S Afton, MN 55001

Owner/representative: Alex & Angie Kopacek Owner's phone: 612-845-7151

Brief system description: Two 1000 gallon precast septic tanks and 1200 SF of chamber drainfield.

System status

System status on date (mm/dd/yyyy): 7/12/22

☒ **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

Reviewed the design, permit, soil and inspection records on file at Washington County.

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):

Property Address: 15057 Afton Blvd S Afton, MN 55001

Business Name: All State Septic Services LLC Date: 7/12/22

1. Impact on public health – Compliance component #1 of 5

Compliance criteria:	
System discharges sewage to the ground surface	☐ Yes ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes ☒ 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?	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth?	☐ Yes ☒ No
If yes, which sewage tank(s) leaks:	

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

Attached supporting documentation:

☐ Empty tank(s) viewed by inspector

Name of maintenance business:

License number of maintenance business:

Date of maintenance:

☒ Existing tank integrity assessment (Attach)

Date of maintenance (mm/dd/yyyy): 8/10/2021 (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:

Describe verification methods and results:

The tanks were at normal operating level during the inspection.

Property Address: 15057 Afton Blvd S Afton, MN 55001

Business Name: All State Septic Services LLC Date: 7/12/22

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) ☐

Property Address: 15057 Afton Blvd S Afton, MN 55001

Business Name: All State Septic Services LLC Date: 7/12/22

5. Soil separation – Compliance component #5 of 5

Date of installation 10/28/2006 *(mm/dd/yyyy)* ☐ Unknown

Shoreland/Wellhead protection/Food beverage lodging? ☐ Yes ☒ No

Attached supporting documentation:

☒ Soil observation logs completed for the report

☒ Two previous verifications of required vertical separation

☐ Not applicable (No soil treatment area)

☐ _____

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:* Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No
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:* Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	☒ Yes ☐ No
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)* Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No

Indicate depths or elevations

A. Bottom of distribution media	3.5
B. Periodically saturated soil/bedrock	6.5
C. System separation	3.0
D. Required compliance separation*	3.0

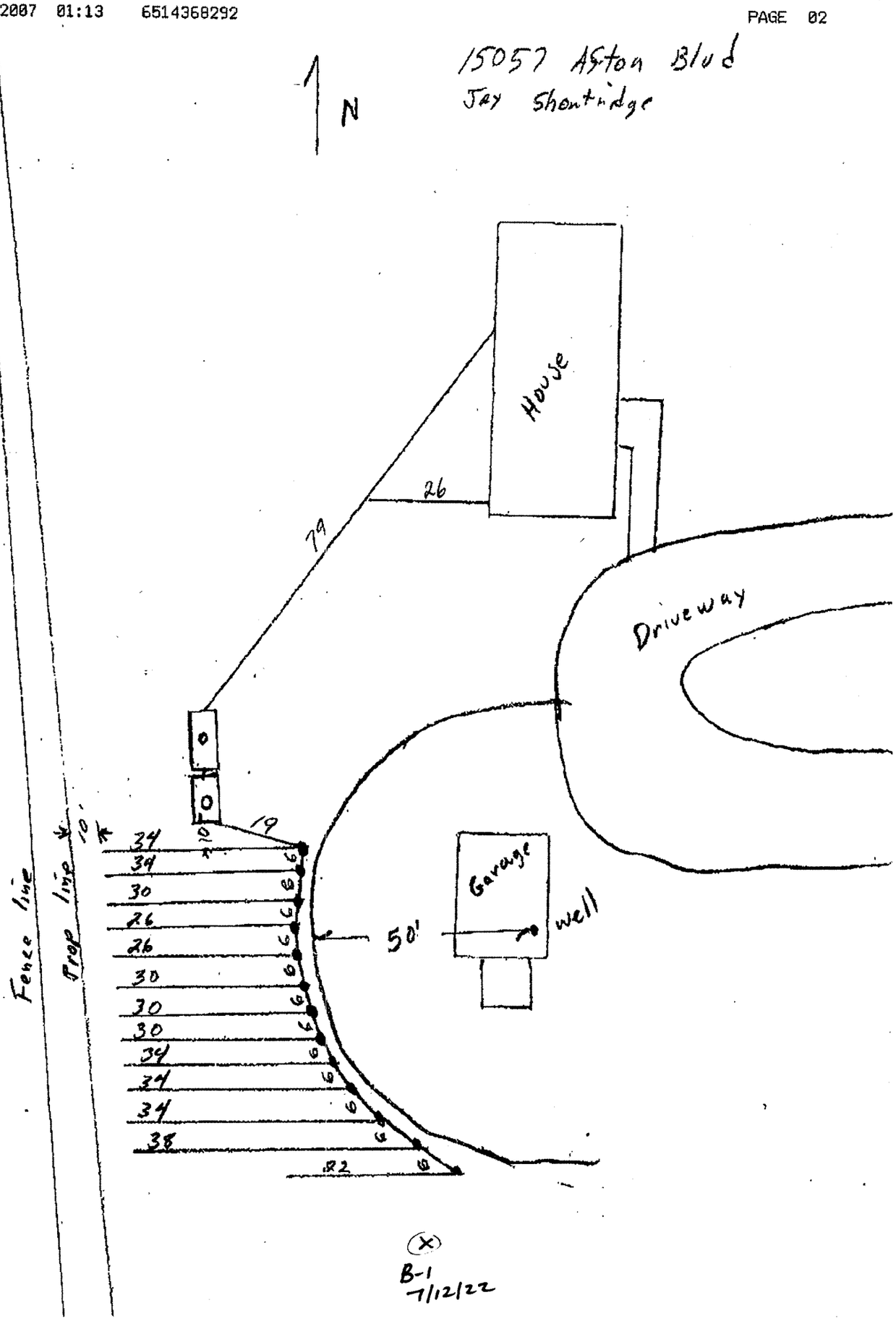
*May be reduced up to 15 percent if allowed by Local Ordinance.

"Any "no" answer above indicates the system is failing to protect groundwater

Describe verification methods and results:

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.*

15057 Aston Blvd
Jay Shortridge



(X)
B-1
7/12/22

Property address: 15057 Hilton Blvd SE Parcel ID:

City: Alton State: MN Zip code: 56601

Optional section: Sewage Tank Compliance Certification

This form does not represent a complete system inspection report and only certifies sewage tank compliance status.

Instructions: This section of the form may be completed and signed by a Designated Certified Individual (DCI) of a licensed SSTS Maintenance Business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system.

When this section of the form is signed by a qualified certified professional, it becomes *necessary supporting documentation* to an Existing System Compliance Inspection Report. This form can be found on the MPCA website at

The information and certified statement on this form is **required** when existing septic tank compliance status is determined by an individual other than the SSTS inspector that submits the inspection report. It represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4 Item (B) subitem (1). This form is valid for a period of three years beyond the signature date on this form unless a new evaluation is requested by the owner or owner's agent or is required according to local regulations. Additional Administrative Rule references for this activity can be found at Minn. R. 7082.0700, subp. 4 Items B, C, and D; 7083.0730 Item C.

☑ **Certificate of sewage tank compliance**

Affirm all three statements:

- ☑ The SSTS does not contain a seepage pit, cesspool, drywell, leaching pit, or other pit.
- ☑ It does not contain a sewage tank that was designed to be watertight, but subsequently leaks below the designed operating depth.
- ☑ It does not represent an imminent safety threat by reason of unsecured, damaged, or weak maintenance hole cover(s) or other unsafe condition.

☐ **Notice of sewage tank non-compliance**

Select all that apply:

- ☐ The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit – "**Failure to Protect Groundwater.**"
- ☐ It has a sewage tank that was designed to be watertight, but subsequently leaks below the designed operating depth – "**Failure to Protect Groundwater.**"
- ☐ It presents a threat to public safety by reason of unsecured, damaged, or weak maintenance hole cover(s) or other unsafe condition – "**Imminent Threat to Public Health or Safety.**"

Company information

Company name: [illegible] Service

Business license number: 1613

Designated Certified Individual (DCI) information

Print name: Neil Clymer

Certification number: C23141

I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS Maintenance Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS:

Designated Certified Individual's signature: [signature]

Date (mm/dd/yyyy): 8/10/21

Soil Observation Log

Project ID: v 04.01.2021

Client:	Alex & Angie Kopacek	Location / Address:	15057 Afton Blvd S Afton, MN 55001

Soil parent material(s): (Check all that apply) ☐ Outwash ☐ Lacustrine ☐ Loess ☐ Till ☐ Alluvium ☐ Bedrock ☐ Organic Matter

Landscape Position: (select one)	Slope %:	Slope shape	Elevation-relative to benchmark:
Vegetation:	Soil survey map units:		Limiting Layer Elevation:
Weather Conditions/Time of Day:			Date 07/12/22
Observation #/Location:	B-1		Observation Type: Auger

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure: Shape	Structure: Grade	Structure: Consistence
0-16	loamy sand		10YR 3/2						
16-37	sandy loam		10YR 4/4						
37-78	sand		10YR 4/4						

Comments

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

Tom Trooien	Tom Trooien	1568	7/12/22
(Designer/Inspector)	(Signature)	(License #)	(Date)

13 OCT 2006

BORING IN TEST AREA

0"-15"	LOAMY SAND	10 YR 3/2
15"-34"	SANDY LOAM	10 YR 5/4
34"-72"	SAND	10 YR 4/4

LOGS OF SOIL BORINGS

Location or Project 15057 AFTON BLVD.
Borings made by J.G. / B.T. Date 11-22-05
Classification System: ASTM ___; USDA-SCS X; Unified ___; other ___
Auger used (check two): Hand X, or Power ___; Flight ___; or Bucket X; other ___

Depth, in feet	Boring number B-1 Surface elevation 991.50 B.M. = Top of Bottom Siding Rear of House.	Depth, in feet	Boring number B-2 Surface elevation 991.75
0	0-18" 10YR 3/3 LOAMY SAND	0	0-18" 10YR 3/3 LOAMY SAND
1		1	
2	18-44" 10YR 4/4 CLAY LOAM	2	18-36" 10YR 4/4 CLAY LOAM
3		3	
4	44-56" 10YR 6/6 SAND	4	36-42" 10YR 4/6 SANDY LOAM
5	56-84" 10YR 6/4 SAND GRAVEL <50% BOULDERS	5	
6		6	42-84" 10YR 6/4 SAND
7		7	
8		8	

End of Boring at: 84 Inches
Mottled Soil Present: Yes (NO)
Mottled Soil at: ___ Inches
Standing Water Present: Yes (NO)
Standing Water Present at: ___ Inches

End of Boring at: 84 Inches
Mottled Soil Present: Yes (NO)
Mottled Soil at: ___ Inches
Standing Water Present: Yes (NO)
Standing Water Present at: ___ Inches

TOP OF DISTRIBUTION MEDIUM AT: ___ INCHES
BOTTOM OF DISTRIBUTION MEDIUM AT: ___ INCHES
REMARKS: DESIGN BORINGS
WERE SOIL SAMPLES SPRAYED? YES ___ NO X

When performing the soil boring (s) relative to this septic system inspection, site evaluation or design, the depth to distinct redoximorphic features (commonly know as "mottled soils") were determined by using the definition for "distinct" as defined in MPCA rules 7080.0020 Subp. 13a adopted through September 2003: "Distinct" means a soil color that varies from another color by one or more hues, more than two units of value, or more than one unit of chroma.

PSI has been advised through training and conversations with the MPCA that the above procedure for determining redoximorphic features (mottled soils) must be used in all cases; no other definitions will be allowed. The only exceptions would be when the difference in soil colors are attributed to other soil features such as hydric bonding, oxidation from tannic acids, calcium carbonates, etc.

Logs of Soil Borings

Location or Project 15957 AFTON BLVD. J.O. 1B-1
Borings made by _____ Date 11-12-05
Classification System: USDA ____; USDA-SCS X; Unified ____; other ____
Auger used (check two): Hand X, or Power ____; Flight ____, or Bucket X; other ____

Depth, in feet	Boring number B-3 Surface elevation 992.75'	Depth, in feet	Boring number B-4 Surface elevation 993.00'
0	0-12" 10YR 3/3 LOAMY SAND	0	0-12" 10YR 3/3 LOAMY SAND
1	12-36" 10YR 4/4 CLAY LOAM	1	12-28" 10YR 4/4 CLAY LOAM
2		2	
3	36-84" 10YR 6/4 SAND	3	28-41" 7.5YR 4/3 SANDY LOAM
4		4	41-52" 10YR 6/4 SAND
5		5	
6		6	52-66" 10YR 6/4 SAND & GRAVEL
7		7	66-84" 10YR 6/4 SAND
8		8	

End of Boring at: 84 Inches
Mottled Soil Present: Yes NO
Mottled Soil at: ____ Inches
Standing Water Present: Yes NO
Standing Water Present at: ____ Inches

End of Boring at: 84 Inches
Mottled Soil Present: Yes NO
Mottled Soil at: ____ Inches
Standing Water Present: Yes NO
Standing Water Present at: ____ Inches

TOP OF DISTRIBUTION MEDIUM AT: _____ INCHES
BOTTOM OF DISTRIBUTION MEDIUM AT: _____ INCHES
REMARKS: VISUAL BORINGS
WERE SOIL SAMPLES SPRAYED? YES ____ NO X

When performing the soil boring (s) relative to this septic system inspection, site evaluation or design, the depth to distinct redoximorphic features (commonly know as "mottled soils") were determined by using the definition for "distinct" as defined in MPCA rules 7080.0020 Subp. 15a. adopted through September 2002: "Distinct" means a soil color that varies from another color by one or more hues, more than two units of value, or more than one unit of chroma.

PSI has been advised through training and conversations with the MPCA that the above procedure for determining redoximorphic features (mottled soils) can be used in all cases; no other definitions will be allowed. The only exceptions would be when the differences in soil colors are attributed to other soil features such as hematite banding, chalcedon from humic acids, calcium carbonates, etc.