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: Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached supporting documentation – additional local requirements may also apply. Further information can be found here: https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf.

Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance.

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 3302820110002 Local regulatory authority: Washington County

Property address: 5256 Saint Croix Trail South, Afton MN

Owner/representative: BILLMEYER BRETT D Owner's phone:

Brief system description: in ground,

System status

System status on date (mm/dd/yyyy): 6/15/2021

☒ **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**

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.

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

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

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: Soil Investigation & Design, Inc. Certification number: 3263

Inspector signature: Paul J. Brandt PSS License number: 5182

(This document has been electronically signed) Phone: 6512603783

Necessary or locally required supporting documentation (must be attached)

☒ Soil observation logs ☐ 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	☐ 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.

Describe verification methods and results:

Attached supporting documentation:

☐ Pumped at time of inspection

Name of maintenance business: _____

License number of maintenance business: _____

Date of maintenance: _____

☒ Existing tank integrity assessment (Attach)

Date of maintenance (mm/dd/yyyy): 8/4/2020 (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 **09/11/2000** ☒ Unknown
(mm/dd/yyyy)

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

Attached supporting documentation:

☒ Soil observation logs completed for the report (Attach)

☐ Two previous verifications of required vertical separation *(Attach)*

☐ Not applicable (No soil treatment area)

☐ Surface 882'

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 (Advanced Inspector License required)* Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No*

Indicate depths or elevations

A. Bottom of distribution media	877
B. Periodically saturated soil/bedrock	873
C. System separation	4
D. Required compliance separation*	3

*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:

Soil borings

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.*

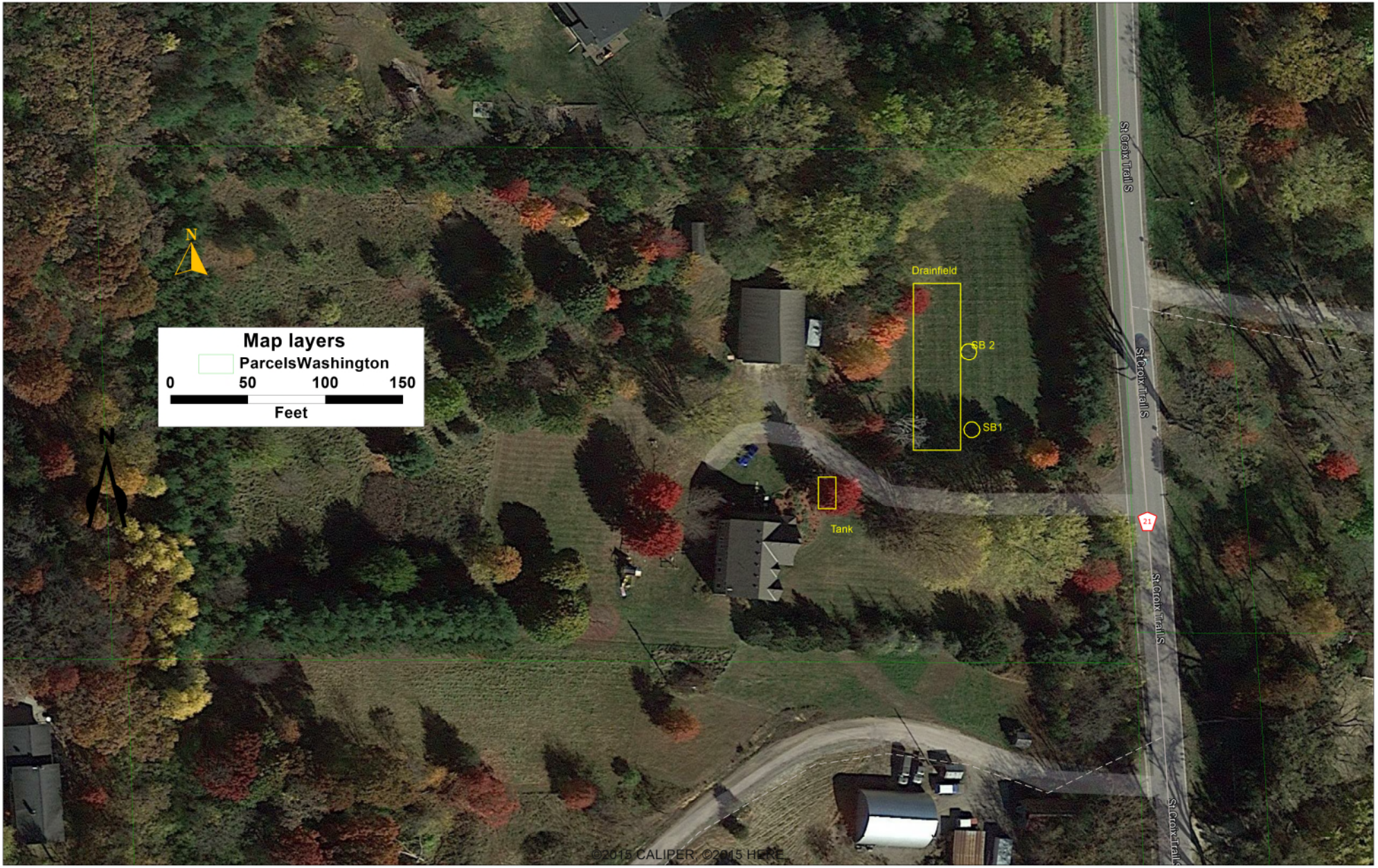

Figure 1: Site Detail Map

Soil Investigation & Design, Inc,
2809 78th Ave. N
Brooklyn Park, Mn 55444
pbrandt@soilinvestigations.us
651-260-3783

Client: Brett Billmeyer
Address: 5256 St. Croix Trail S. Afton, MN

Soil Observation Log

Project ID:

Client:	BILLMEYER BRETT D	Location / Address:	5256 Saint Croix Trail South, Afton MN

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

Landscape Position: (select one)	Shoulder	Slope %:	3.0	Slope shape:	Linear, Linear
Elevation: LIDAR	882.0				
Vegetation:	Grass	Soil survey map units:		Limiting Layer Elevation:	
Weather Conditions/Time of Day:	clear- 85	11:00		Date	06/15/21
Observation #/Location:	SB	1		Observation Type:	Auger

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	I-------- Structure----------I		
							Shape	Grade	Consistence
0 to 9	Loam	0	10YR 4/3				Blocky	Moderate	Friable
9 to 16	Loam	0	10YR 5/4				Blocky	Moderate	Friable
16 to 27	Loam	0	10YR 3/3				Blocky	Moderate	Friable
27 to 48	Loam	0	10YR 4/4				Blocky	Moderate	Friable
48 to 79	Loam	0	10YR 4/4 10YR 4/6				Blocky	Moderate	Friable
79 to 84	Loam	0	10YR 4/6				Massive	Moderate	Firm

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

Paul J. Brandt	Paul J Brandt PSS	5182	15-Jun-21
(Designer/Inspector)	(Signature)	(License #)	(Date)

I hereby certify that this plan, document, or report was prepared by me or under my direct supervision and that I am a Licensed Professional Soil Scientist under the Laws of the State of Minnesota.

Date 15-Jun-21 License Number 30007

Signature Paul J Brandt PSS

Notes: This soil profile is abridged to meet the requirements for septic systems. If a complete soil profile description is needed they will be supplied upon request.

Soil Observation Log

Project ID:

Client:	BILLMEYER BRETT D	Location / Address:	5256 Saint Croix Trail South, Afton MN

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

Landscape Position: (select one)	Shoulder	Slope %:	3.0	Slope shape:	Linear, Linear
Elevation: LIDAR	882.0				
Vegetation:	Grass	Soil survey map units:		Limiting Layer Elevation:	
Weather Conditions/Time of Day:	clear- 85	11:00		Date	06/15/21
Observation #/Location:	SB	2		Observation Type:	Auger

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	I-------- Structure----------I		
							Shape	Grade	Consistence
0 to 12	Loam	0	10YR 3/3				Blocky	Moderate	Friable
12 to 24	Loam	0	10YR 4/3				Blocky	Moderate	Friable
24 to 25	Loam	0	10YR 5/4				Blocky	Moderate	Friable
25 to 72	Loam	0	10YR 3/3				Blocky	Moderate	Friable

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

Paul J. Brandt	Paul J Brandt PSS	5182	15-Jun-21
(Designer/Inspector)	(Signature)	(License #)	(Date)

I hereby certify that this plan, document, or report was prepared by me or under my direct supervision and that I am a Licensed Professional Soil Scientist under the Laws of the State of Minnesota.

Date 15-Jun-21 License Number 30007

Signature Paul J Brandt PSS

Notes: This soil profile is abridged to meet the requirements for septic systems. If a complete soil profile description is needed they will be supplied upon request.

Property address: 5256 St. Croix Trl SC
City: Afton State: MN Parcel ID:
Zip code: 55001

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: Compliance inspection form - Existing system (wq-wwists4-31b). This form can be found on the MPCA website at https://www.pca.state.mn.us/water/ssts-and-msts-technical-and-compliance-criteria.

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: Pinkys Sewer Service

Business license number: 1673

Designated Certified Individual (DCI) information

Print name: Neil Clymer

Certification number: C2814

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: Neil Clymer

Date (mm/dd/yyyy): 8/4/20