

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.

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

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 3/19/2016

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: 29.031.19.33.0002

Property address: 13055 St. Croix Trail N Stillwater MN 55082 Reason for inspection: Property Sale

Property owner: _____ Owner's phone: _____

or
Owner's representative: Carmel Carver, Coldwell Banker Burnet Realty Representative phone: 651-430-7761

Local regulatory authority: Washington County Regulatory authority phone: 651-430 6673

Brief system description: 2 1,000 gallon infiltrator plastic septic tanks and 1,000 gallon infiltrator plastic pump tank pumping up to a 18" sand lift mound.

Comments or recommendations:

This system was installed in November 2014. The house has been un-occupied since then. The tanks have very little water in them. Lifted the float to operate the pump, everything is in good working order.

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: Tom Troien Certification number: 323

Business name: All State Septic Services LLC License number: 1568

Inspector signature:  Phone number: 612-594-4496

Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- Other information (list): Washington County Certificate of Compliance

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:

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: 11/3/2014 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: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	<input type="checkbox"/> Yes <input type="checkbox"/> No
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.*	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
"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.	<input type="checkbox"/> Yes <input type="checkbox"/> No

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	18" sand lift mound
B. Periodically saturated soil/bedrock	
C. System separation	
D. Required compliance separation*	

*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.

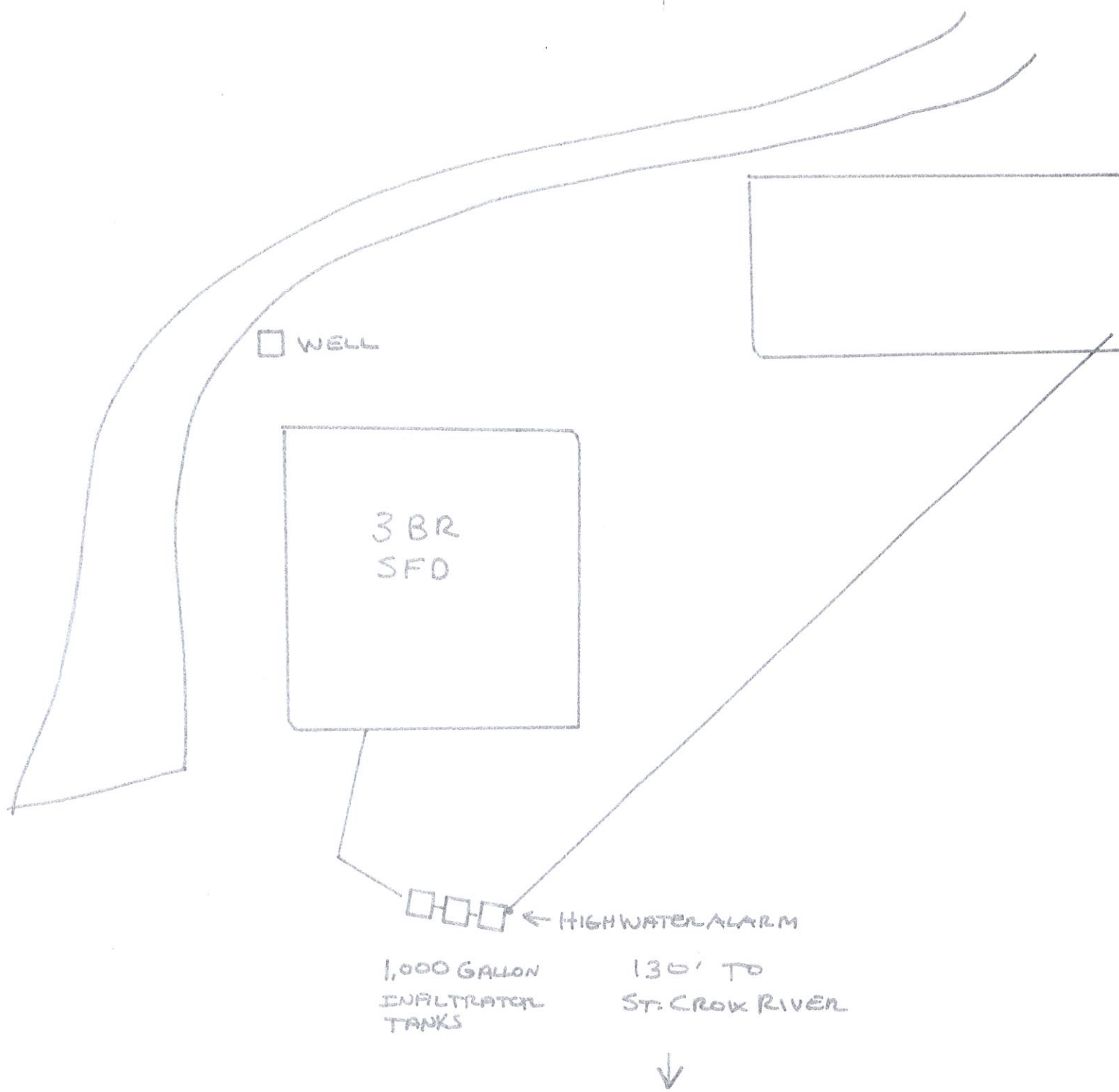
Compliance criteria

a. Operating Permit number: n/a Have the Operating Permit requirements been met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the required nitrogen BMP in place and properly functioning?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

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U of MN Onsite Sewage Treatment Program Soil Boring Log

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Client/ Address: **13055 St Charles Dr** Legal Description/GPS: Date: **9/10/14**

Soil Parent Material(s): **Till** **Outwash** Lacustrine Alluvium Loess Organic Matter Bedrock **TALUS**

Landscaping Position: Summit Shoulder Back/Side Slope Foot Slope Toe Slope

Vegetation: Soil Survey Map Unit(s): Slope (%):

Weather conditions/Time of Day: Slope Shape:

Depth (in)	Texture	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Saturated Soil Indicator(s) (see back)	I----- Structure-----I		
						Shape	Grade	Consistence
0-12	loamy fine sand	10 3/3	N	Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
12-18	fine sandy loam A horizon	10 3/2 Brown A horizon	N	Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
18-24	loam fine sand	10 3/3	N	Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
	fine for 18' SB mud			Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
				Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid

Comments: *Talus deposits and or fill over bedrock*

LOGS OF SOIL BORINGS

Location of Project Evelyn Routier, 1 acre, Sec. 29, May Twp., Washington Co.

Borings Made by Chris Zierke

Date: 8/19/14

Hand bucket auger used for borings; USDA - SCS Soil Classification used.

Depth, In Feet	Boring Number 1
0-----	
0-18"	Dark-brown loamy fine sand(10YR-3/3)
18-42"	Yellowish-brown decomposed bedrock (10YR-5/4), iron-stains, light-gray mottles

End of boring at 3.5 feet.
 Standing water table:
 Present at _____ feet of depth, _____ hours after boring.
 Standing water not present in hole .
 Mottled Soil:
 Observed at 1.5 feet of depth.
 Mottled soil not present in bore hole .
 Comments:

Depth, In Feet	Boring Number 2
0-----	
0-18"	Dark-brown loamy fine sand(3/3)
18-30"	Yellowish-brown decomposed bedrock (5/4), iron-st., light-gray mottles

End of boring at 2.5 feet.
 Standing water table:
 Present at _____ feet of depth, _____ hours after boring.
 Standing water not present in hole .
 Mottled Soil:
 Observed at 1.5 feet of depth.
 Mottled soil not present in bore hole .
 Comments:

Depth, In Feet	Boring Number 3
0-----	
0-36"	Dark yellowish-brown loamy fine sand (10YR-4/4)
36-48"	Dark-brown loamy fine sand(3/3)
48-54"	Yellowish-brown bedrock(5/4), iron-st, light-gray mottles

End of boring at 4.5 feet.
 Standing water table:
 Present at _____ feet of depth, _____ hours after boring.
 Standing water not present in hole .
 Mottled Soil:
 Observed at 4 feet of depth.
 Mottled soil not present in bore hole .
 Comments:

Depth, In Feet	Boring Number 4
0-----	
0-22"	Dark-brown loamy fine sand(3/3)
22-30"	Yellowish-brown decomposed bedrock (5/4), iron-st., light-gray mottles

End of boring at 2.5 feet.
 Standing water table:
 Present at _____ feet of depth, _____ hours after boring.
 Standing water not present in hole .
 Mottled Soil:
 Observed at 22" feet of depth.
 Mottled soil not present in bore hole .
 Comments:



Department of Public Health and Environment
14949 62nd Street North PO Box 6
Stillwater MN 55082-0006
Office: 651-430-6655 - TTY: 651-430-6246 - Fax: 651-430-6730

Individual Sewage Treatment System Certificate of Compliance

Type of System: Mound
Permit Number: 0009-14-14
Property ID Number: 29-031-19-33-0002
Property Address: 13055 St. Croix TR N
Community: May Township
Date of Installation: November 3, 2014

This certifies that the individual sewage treatment system installed at the aforementioned address was inspected during installation and found to be in compliance with requirements of the Washington County Development Code, Chapter Four, Individual Sewage Treatment System Regulations (Washington County Ordinance No. 128). This Certificate of Compliance is valid for five (5) years from the date of issuance unless Washington County finds evidence of an imminent threat to public health and safety. Supporting documentation with detailed information on the system can be found on the attached as-built.

A handwritten signature in black ink, appearing to read "P. Ganzel", written over a horizontal line.

Pete Ganzel
Senior Environmental Specialist