



Minnesota Pollution Control Agency

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

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): 3/4/2017

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: 21.029.21.21.0023

Property address: 8308 Stillwater Blvd Lake Elmo, MN 55042 Reason for inspection: property sale

Property owner: Noah Malmquist Owner's phone: _____

or
Owner's representative: _____ Representative phone: _____

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

Brief system description: 1500/1000 gallon combo septic tank, 1000 gallon pump tank & mound drainfield.

Comments or recommendations:
Recommend locking manhole covers on both tanks.

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 Trooien Certification number: 323

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

Inspector signature: Tom Trooien Phone number: 612-594-4496

Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- 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.

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: 8/9/2011 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.

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

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:

See attached soil boring logs from design & permit. Redox @ 20".

Indicate depths or elevations

A. Bottom of distribution media	ground w/ 18" sand
B. Periodically saturated soil/bedrock	20"
C. System separation	38
D. Required compliance separation*	33

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

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 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 groundwater, 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.

UNIVERSITY OF MINNESOTA OSTP Soil Observation Log



Date: 6/16/2011
Time: 10:50 AM

Back/ Side Slope

Vegetation: Lawn

Slope %: 12.0

Slope shape: Linear, Convex

Landscaping position

Structure

Grade

Shape

Indicator(s)

Redox Kind(s)

Mottle Color(s)

Coarse Frag. %

Matrix Color(s)

7.5yr 3/2

7.5yr 5/3

Client/ address: Rick Sorenson

8303 Stillwater Blvd., Lake Elmo, MN

Legal Description/ GPS

Observation #/Location:

Soil survey map units

BM1

BM7

Consistence

Soil parent materials

(Check all that apply)

Outwash

Lacustrine

Loss

Alluvium

Bedrock

Organic

Texture

fine sandy loam

medium sand

Granular

Single grain

Depth (in)

0-14

14-36

Comments

OK 30' construction

Thereby certify that I have completed this work in accordance with all applicable governmental rules and laws.

Signature: Rick Sorenson

Date: 6/16/2011

3362

6/17/2011

Additional Soil Observation Logs



Date: 6/16/2011
Time: 11:05 AM

Back/ Side Slope

Client/ Address: Britt Sorenson

Legal Description/ GPS: 13003 Stillwater Blvd., Lake Elmo, MN

Soil parent materials (Check all that apply)

- Outwash
- Lacustrine
- Loess
- Till
- Alluvium
- Bedrock
- Organic

Landscape position

Vegetation: lawn

Observation #/Location:

Soil survey map units: 1847 Slope shape: Linear, Convex

Depth (in)	Texture	Coarse Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Mott(s)	Indicator(s)	Shape	Consistence	Observation #/Location	Structure	Grade	Consistence
0-10	silt loam		7.5yr 4/1				Granular					
10-22	silt loam		7.5yr 5/4				Blocky					
22-36	silt loam		7.5yr 5/4	7.5yr 6/1	Depletions		Blocky					
Comments: Mottles 22'												
Observation #/Location: 210												
0-12	silt loam		7.5yr 4/1				Granular					
12-24	silt loam		7.5yr 5/4				Blocky					
24-30	medium loamy sand		7.5yr 5/4				Single grain					
30-48	medium sand	15	7.5yr 5/4				Single grain					
Comments: CK 4B												

OSTP Soil Observation Log

UNIVERSITY OF MINNESOTA



Client/ Address: Mick Sorenson

Legal Description/ GPS: 8383 Stillwater Blvd., Lake Elmo, MN

Soil parent materials (Check all that apply):
 Outwash Lacustrine Loess
 Till Alluvium Bedrock Organic

Coarse Frag. % Matrix Color(s) Mottle Color(s) Bedrock Min(s) Indicator(s) Shape Grade Consistence

0-12 silt loam 7.5yr 4/1

12-30 silt loam 7.5yr 5/4

30-44 silt loam 7.5yr 5/4 7.5yr 6/1 Concentrations

44-72 medium sandy loam 7.5yr 4/2 7.5yr 4/2 Concentrations

Date: 6/16/2011
 Time: 11:25 AM
 Back/ Side Slope: _____
 Landscape position: lawn
 Vegetation: BHA
 Slope %: 3.0
 Slope shape: Linear, Linear
 Soil survey map units: 1897

Structure: _____

Comments: Mottles 30

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

Ed E. H. H.
 (Print name)

213

3267

6/17/11

Regional Soil Observation Logs



Client/ Address: **Rikk Sorenson**
 8303 Stillwater Blvd., Lake Elmo, MN

Soil parent materials check all that apply:
 Outwash Lacustrine Loess
 T1H Alluvium Bedrock Organic

Observation #/Location: **BH5**
 Soil survey map units: **19A7**

Vegetation: **lawn**
 Slope shape: **Linear, Convex**
 Slope %: **5.0**

Back/ Side Slope: **lawn**

Depth (in)	Texture	Coarse Frag. %	Matrix Color(s)	Mottle Color(s)	Roots Kind(s)	Indicator(s)	Shape	Grade	Compliance
1	fine sandy loam		7.5yr 4/1				Granular		
4	medium sandy loam		7.5yr 5/4				Blocky		
10	medium sand	10	7.5yr 5/4				Single grain		

Dimensions (X X Z): **30"**

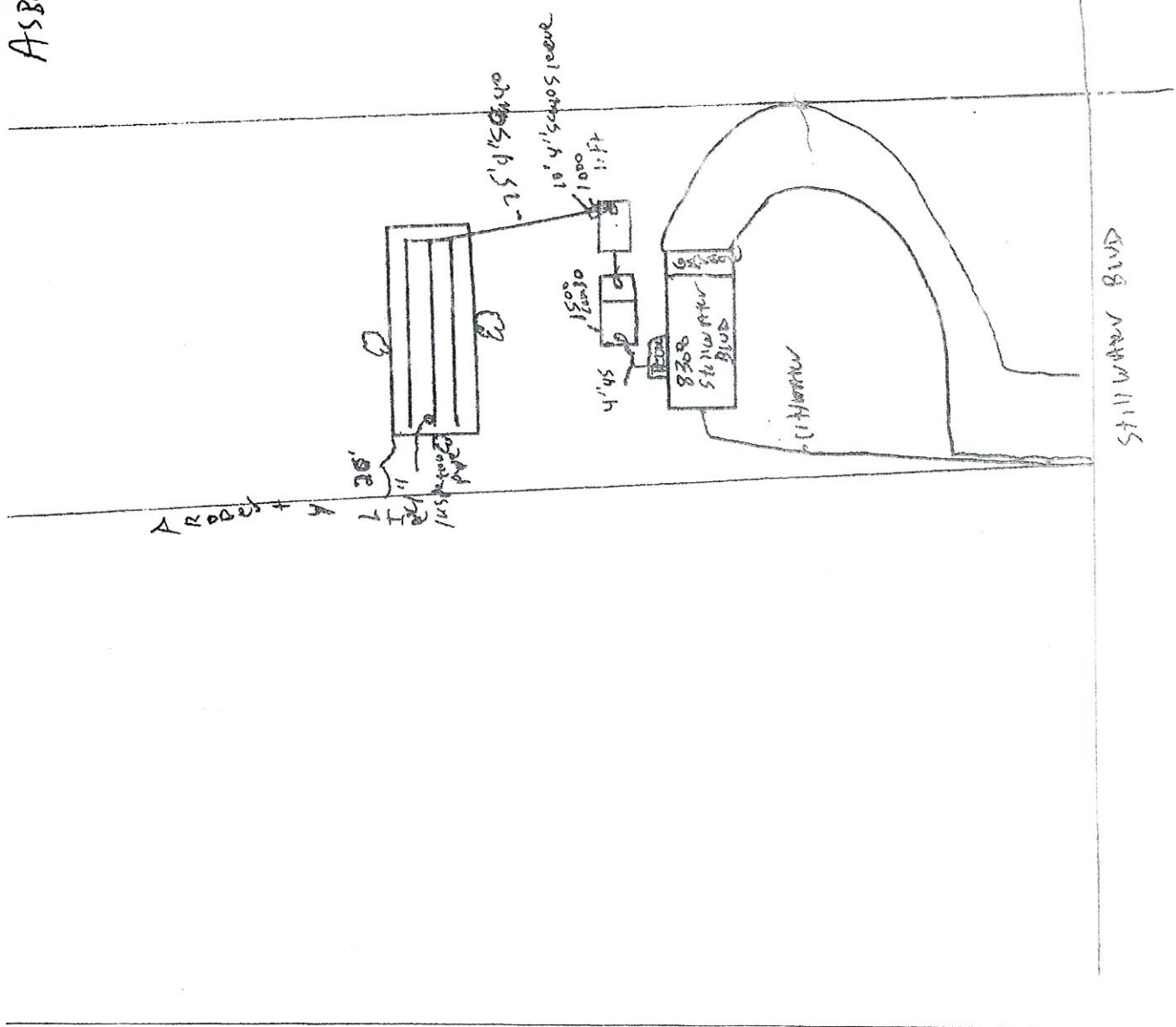
Observation #/Location: _____

Depth (in)	Texture	Coarse Frag. %	Matrix Color(s)	Mottle Color(s)	Roots Kind(s)	Indicator(s)	Shape	Grade	Compliance

Comments: _____

Asbuilt for 8308 Stillwater Blvd
11 Ave Elmo

121



Stillwater Blvd