



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): 10/29/2018

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: 16.030.20.12.0005

Property address: 14606 97th St N Stillwater, MN 55082 Reason for inspection: property sale

Property owner: Christopher & Angela Johnson Owner's phone: 612-360-5142

or
Owner's representative: _____ Representative phone: _____

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description: 2 septic tanks, pump tank and gravelless drainfield

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.

Inspector name: Tom Trooen Certification number: 323

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

Inspector signature: Tom Trooen 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. 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.

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. Yes No

Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.

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.

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: 2000 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	24"
B. Periodically saturated soil/bedrock	80"
C. System separation	56"
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.

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.

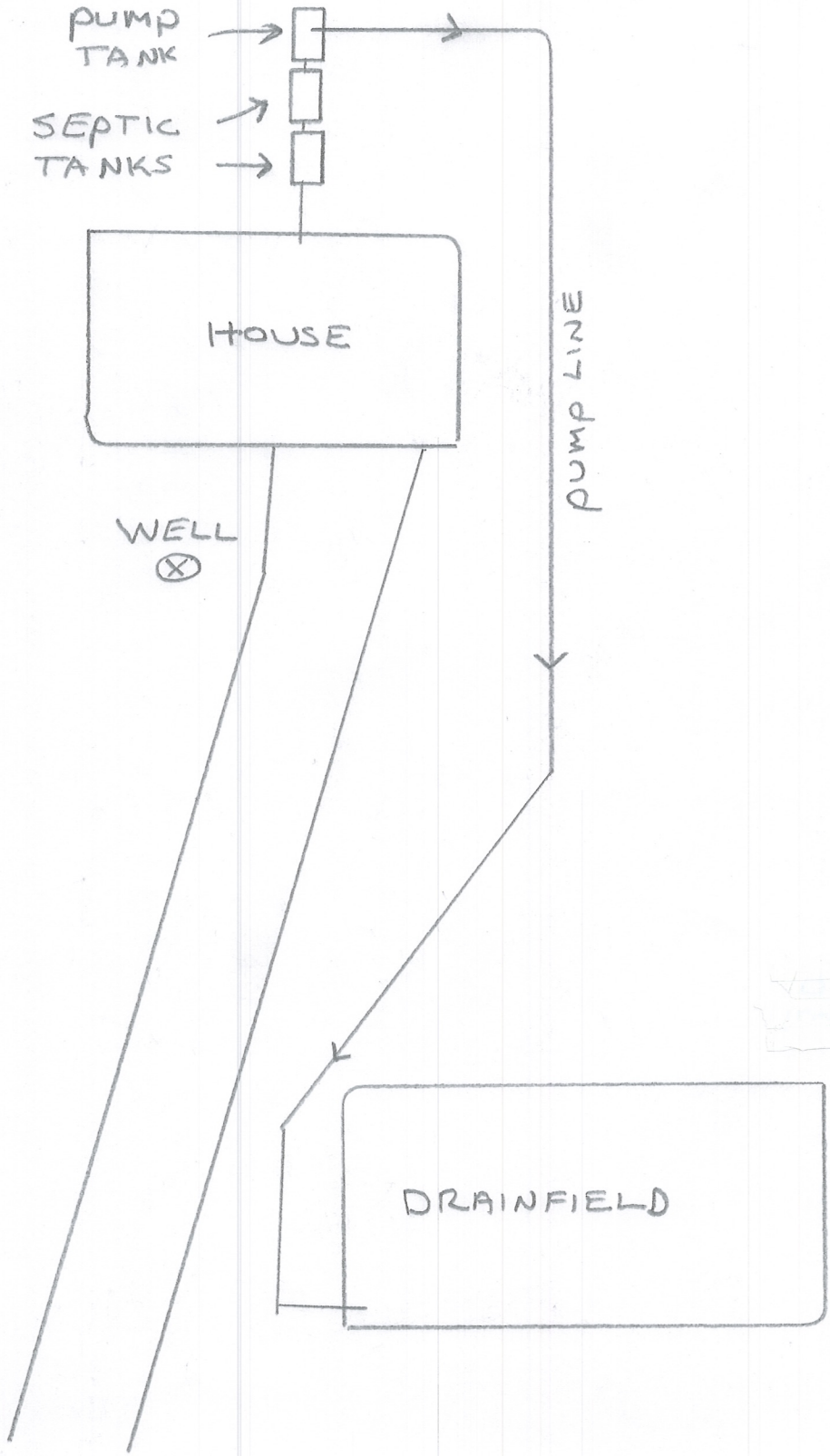
Compliance criteria

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.

14606 97TH ST N
STILLWATER, MN 55082



Log Of Soil Borings

Location of Project:		14606 97th St N, Stillwater Twp, MN 55082	
Borings Made By:		Inspect Minnesota	Date: 10/12/15
Auger Used:		Hand/Bucket	Classification System: USDA
Boring Number:		1	Boring Number:
Surface Elevation of Boring	Same ground surface as last drainfield trench		Surface Elevation of Boring
Depth In Inches	<u>Soils Encountered</u>		Depth In Inches
0-20	7.5YR 4/2 Loam		
20-30	7.5YR 4/3 Medium Coarse Sand With Gravel ≈10% Rock Fragments		
30-80	7.5YR 3/4 Sandy Loam		
80"	Depth To End Of Boring Or Redox		Depth To End Of Boring Or Redox
Same	Elevation Of Boring Relative To System		Elevation Of Boring Relative To System
-18"	Depth To Bottom Of Distribution Media		Depth To Bottom Of Distribution Media
≥62"	Of Separation		Of Separation
End Of Boring At:	80"	End Of Boring At:	
Redox Present At:	None	Redox Present At:	
Standing Water Present At:	None	Standing Water Present At:	

Bottom Of Distribution Medium At: 18 Inches

RECEIVED
 JUN 25 1999
 HELM

(Subject to Review and Approval of Officials)

Lot 2, Block
 "St. Croix High"
 Pt. of NE 1/4 Sec.
 (Stillwater Tow

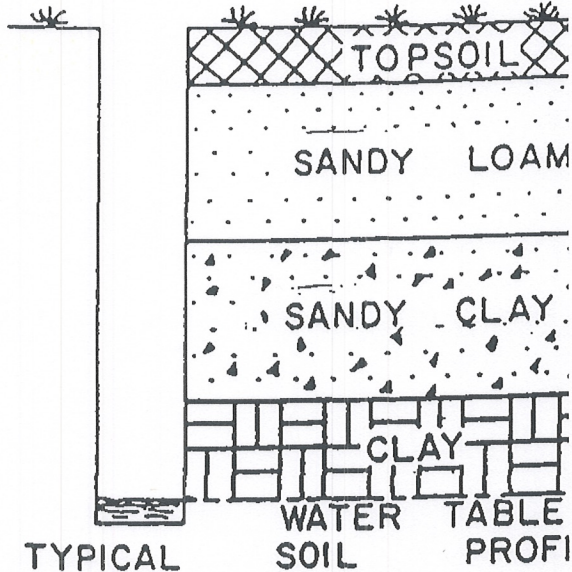
-SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



Auger Borings: RS Johnson Soil Testing

Date: June 14, 1999

LOG OF SOIL BORINGS

BORING NO. 1A		BORING NO. 2A		BORING NO.		BORING NO.	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	Dark Grayish Brown Silt	0	Dark Grayish Brown Silt	0		0	
1/2	Yellowish Brown	1/2	Silt	1/2		1/2	
1		1	Yellowish Brown	1		1	
1 1/2	Silt	1 1/2		1 1/2		1 1/2	
2	Dark Brown	2	Silt	2		2	
2 1/2	(7.5YR 4/4)	2 1/2	Brown	2 1/2		2 1/2	
3	Loamy Sand-Sandy Loam	3	Sandy Silt	3		3	
3 1/2	Reddish Brown	3 1/2	Yellowish Brown Silt	3 1/2		3 1/2	
4		4	Reddish Brown	4		4	
4 1/2		4 1/2		4 1/2		4 1/2	
5	Gravelly Sandy Loam	5	Sandy Loam	5		5	
5 1/2		5 1/2	Till	5 1/2		5 1/2	
6	(End)	6	(End)	6		6	
6 1/2		6 1/2		6 1/2		6 1/2	
7	Mottling	7	Mottling	7		7	
7 1/2	Depth: - -	7 1/2	Depth: 66"	7 1/2		7 1/2	
8		8		8		8	
8 1/2		8 1/2		8 1/2		8 1/2	

SUBJECT TO APPROVAL
OF COUNTY BUILDING OFFICIAL

Lot 2 Block 1
"ST. CROIX HIGHLAN

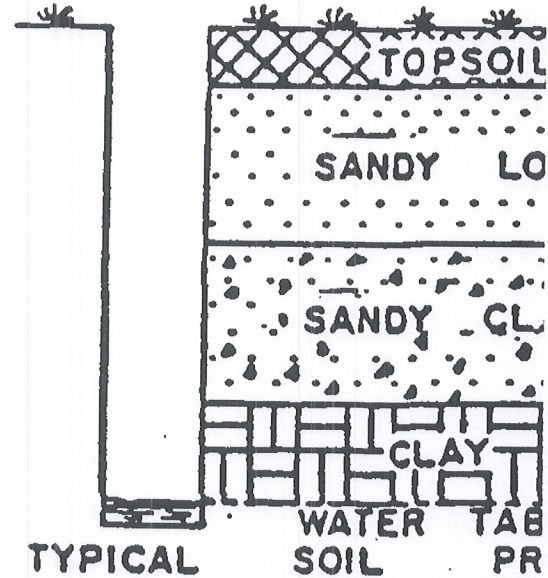
-SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



Auger Borings: R&J Johnson 6/89

LOG OF SOIL BORINGS

BORING NO. 1		BORING NO. 2		BORING NO. 3		BORING NO. 4	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	Very Dark	0	Very Dark	0	Grayish Brown	0	Grayish
1/2	Grayish Brown	1/2	Grayish Brown	1/2	Fn Sandy Loam	1/2	Fn Sandy
1	Silt Loam	1	Silt Loam	1	Dark Brown	1	Dark
1 1/2	Grayish Brown	1 1/2	Grayish Brown	1 1/2	Silt Loam	1 1/2	Brown
2		2	Silt Loam	2	Dark Brown	2	Gravel
2 1/2	Silt Loam	2 1/2		2 1/2	Sandy Loam	2 1/2	Loamy
3	(End)	3	Dark Brown	3	Dark Brown	3	Sand-
3 1/2	Mottling	3 1/2	Loamy Sand	3 1/2	Loamy	3 1/2	Sandy
4	Depth: 18"	4	(End)	4	Sand-	4	Loam
4 1/2		4 1/2	Mottling	4 1/2	Sandy	4 1/2	(End)
5		5	Depth: 30"	5	Loam	5	
5 1/2		5 1/2		5 1/2	(End)	5 1/2	
6		6		6		6	
6 1/2		6 1/2		6 1/2		6 1/2	
7		7		7		7	
7 1/2		7 1/2		7 1/2		7 1/2	
8		8		8		8	
8 1/2		8 1/2		8 1/2		8 1/2	

SUBJECT TO APPROVAL
OF COUNTY ENGINEER'S OFFICIAL

Lot 2 Block

"ST. CROIX HI

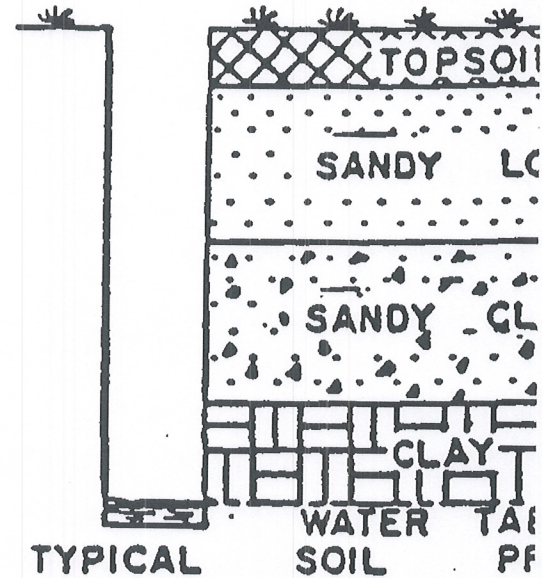
-SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



Auger Borings: R&J Johnson 6/89

LOG OF SOIL BORINGS

BORING NO. 5		BORING NO. 6		BORING NO. 7		BORING NO. 8	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	Grayish Brown Fm Sandy Loam	0	Grayish Brown Fm Sandy Loam	0		0	
1/2	Dark Brown	1/2		1/2		1/2	
1	Silt Loam	1	Dark Brown	1		1	
1 1/2	Dark Brown Sandy Loam	1 1/2		1 1/2		1 1/2	
2	Brown	2	Gravelly	2		2	
2 1/2		2 1/2		2 1/2		2 1/2	
3	Loamy Sand-	3	Loamy Sand-	3		3	
3 1/2		3 1/2		3 1/2		3 1/2	
4	Sandy Loam	4	Sandy Loam	4		4	
4 1/2		4 1/2	(End)	4 1/2		4 1/2	
5	Reddish Brown	5		5		5	
5 1/2	Sandy Loam	5 1/2		5 1/2		5 1/2	
6	(End)	6		6		6	
6 1/2		6 1/2		6 1/2		6 1/2	
7		7		7		7	
7 1/2		7 1/2		7 1/2		7 1/2	
8		8		8		8	