



# 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): 4/8/2016

**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: 01.026.21.13.0006

Property address: 11601 122<sup>nd</sup> St S Hastings, MN 55033 Reason for inspection: Property Sale

Property owner: Joe & Mindy Stewart Owner's phone: 605-413-9772

or

Owner's representative: \_\_\_\_\_ Representative phone: 651-430-7761

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

Brief system description: 1,250 gallon septic tank, 1000 septic tank, 1000 gallon pump tank & 1720 SF of at-grade pressurized drainfield.

#### Comments or recommendations:

On April 4, the tanks were pumped & on April 8, the pump in the 1,000 gallon pump was repaired and is now functioning as designed

### 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:  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: 11/1/2012  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.

**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	at-grade
B. Periodically saturated soil/bedrock	na
C. System separation	36" plus
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

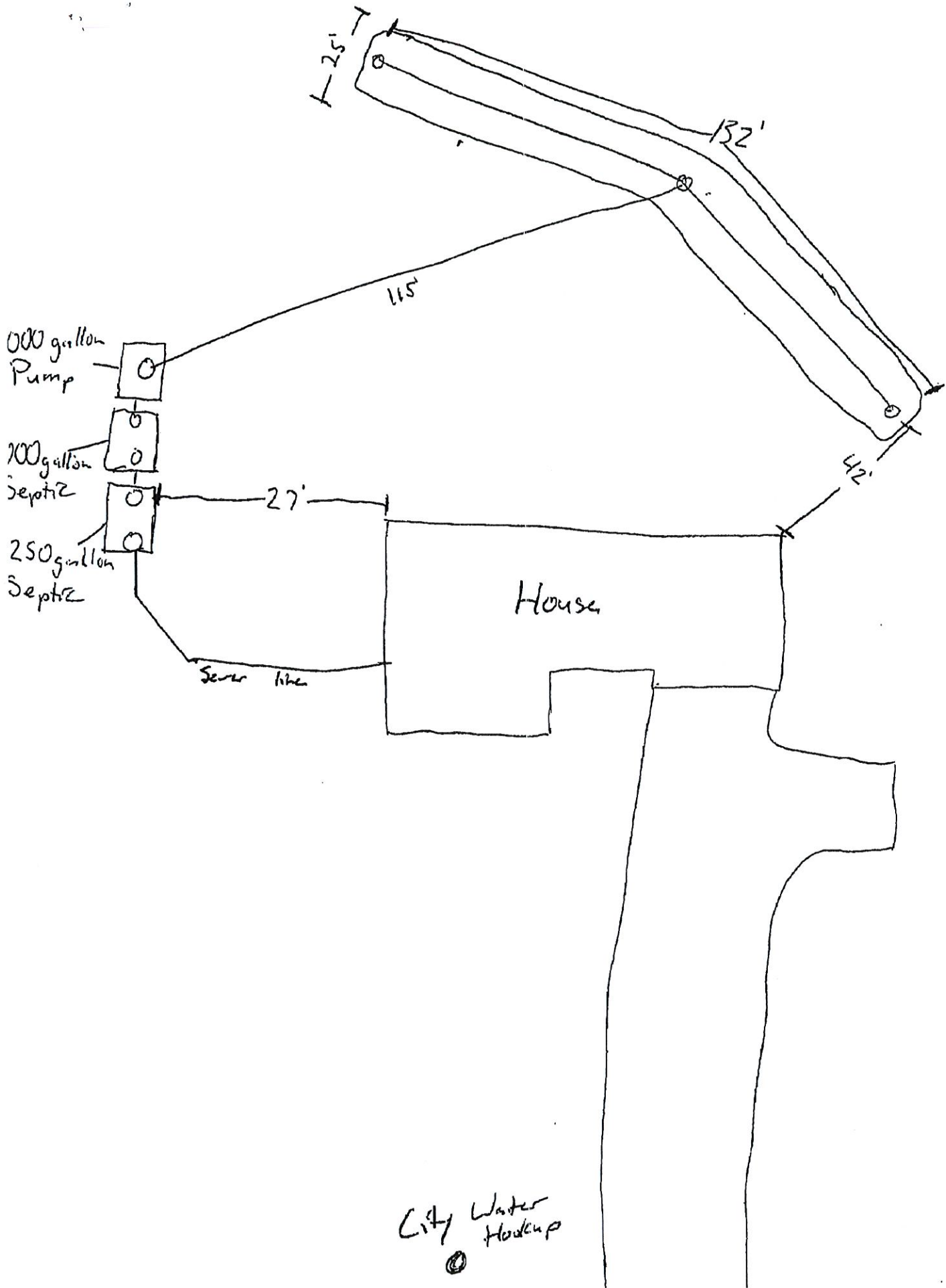
**If the answer to both questions is "no", this section does not need to be completed.**

**Compliance criteria**

- a. Operating Permit number: n/a  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 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.



<b>SITE EVALUATION</b>		<b>COUNTY USE ONLY</b>		<b>CHECK ALL THAT APPLY:</b>	
EVALUATOR: 1				<input type="checkbox"/> NEW	<input type="checkbox"/> CLASS V
PROPERTY ADDRESS:		GEOCODE:		<input type="checkbox"/> EXISTING	<input type="checkbox"/> COMMERCIAL ESTABLISHMENT
				<input type="checkbox"/> DWELLING	<input type="checkbox"/> FBL ESTABLISHMENT
				<input type="checkbox"/> SHORELAND	<input type="checkbox"/> IN WELLHEAD PROTECTION AREA
DATE:	TIME:				

<b>SOIL REVIEW</b>									
SOIL CLASSIFICATION: <b>LOAM</b>					PARENT MATERIAL: <b>RICHWOOD SILT LOAM</b>				
SOIL BORING 1					SOIL BORING 2				
ELEVATION OF BORING:		LOCATION: <b>EAST PIT</b>			ELEVATION OF BORING:		LOCATION: <b>WEST PIT</b>		
GPS COORDINATES: LAT: <b>N4446.251</b> LON: <b>W098 52.252</b>					GPS COORDINATES: LAT: _____ LON: _____				
<input type="checkbox"/> BORING <input checked="" type="checkbox"/> PIT <input type="checkbox"/> PROBE					<input type="checkbox"/> BORING <input checked="" type="checkbox"/> PIT <input type="checkbox"/> PROBE				
SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES	SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES
0-5	LOAM	10YR2/2	B-M-F	—	0-6	LOAM	10YR2/2	B-W-L	—
5-11	LOAM	10YR3/2	B-M-F	—	6-12	LOAM	10YR3/2	B-M-F	—
11-17	LOAM	10YR4/3	B-M-F	—	12-22	LOAM	10YR3/3	B-M-F	—
17-46	LOAM	10YR4/4	B-M-F	—	22-47	LOAM	10YR4/4	B-M-F	—
46-68	LOAMY SAND	10YR4/4	10YR5/8	CON. S1	47-68	LOAM	10YR4/4	B-M-F	7.5YR5/8
EOB			granular		EOB				CON. S1

<b>SOIL REVIEW CONCLUSIONS</b>			
<input checked="" type="checkbox"/> SITE SUITABLE <input type="checkbox"/> UNSUITABLE SOIL <input type="checkbox"/> DISTURBED SOIL <input type="checkbox"/> COMPACTED SOIL	DEPTH INFORMATION:		SOIL TEXTURE: <b>LOAM</b>
	STANDING WATER: <b>N/A</b>	SATURATED SOIL: <b>AT 46"</b>	SOIL SIZING FACTOR: <b>0.45</b>
	BEDROCK: <b>N/A</b>	MAXIMUM DEPTH OF SYSTEM: <b>10"</b>	LINEAR LOADING RATE: <b>5</b>

<b>SITE REVIEW</b>		
<b>CHECK ALL THAT APPLY</b>	<b>EASEMENTS ON LOT:</b>	<b>SETBACKS</b>
<input type="checkbox"/> WETLAND OR WETLAND VEGETATION <input type="checkbox"/> POND, LAKE, STREAM, RIVER <input type="checkbox"/> FLOODPLAIN <input type="checkbox"/> 10 YEAR FLOOD ELEVATION _____ <input type="checkbox"/> BLUFFLINE _____ <input type="checkbox"/> WELL WELL CASING DEPTH: _____	<input type="checkbox"/> UTILITY <input type="checkbox"/> DRAINAGE <input type="checkbox"/> OTHER	BLUFFLINE RIVER POND, LAKE, STREAM, WETLAND WELL

COMMENTS/NOTES: SOIL VERIFICATION BY CHRIS LECLAIR ON 4/29/2011  
IN PITS Dug BY ADVANCED SEPTIC SOLUTIONS, INC



# OSTP Soil Observation Log

Client/ Address:		Charles Merrit Homes		Legal Description/ GPS:		11601 122nd St. South Hastings, MN	
Soil parent material(s): (Check all that apply) <input checked="" type="checkbox"/> Outwash <input checked="" type="checkbox"/> Lacustrine <input type="checkbox"/> Loess <input checked="" type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter							
Landscape Position: (check one) <input type="checkbox"/> Summit <input checked="" type="checkbox"/> Shoulder <input type="checkbox"/> Back/Side Slope <input type="checkbox"/> Foot Slope <input type="checkbox"/> Toe Slope <input type="checkbox"/> Slope shape lc							
Vegetation		treed		Soil survey map units		attached	
Weather Conditions/Time of Day:		Clear and sunny 12:15		Date		April 29 2011	
Observation #/Location: Soil Pit # 1 N 44 46.251 W 092 52 252							
Depth (in)	Texture	Coarse Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure----- Shape Grade Consistence
0-5	Loam	5	10 yr 2/2				Blocky Moderate Friable
5-11	Loam	5	10 yr 3/2				Blocky Moderate Friable
11-17	Loam	5	10 yr 4/3				Blocky Moderate Friable
17-46	loam	5	10 yr 4/4				Blocky Moderate Friable
46-EOB 68	Loamy Sand	10	10 yr 4/4	10 yr 5/8	Concentrations	S1	Granular Moderate Friable
Comments							
Limiting layer at 46 inches Soils verified by Washington County							
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.							
Tom Wirtzfeld		L 2829		5/13/2011			
(Designer)		(License #)		(Date)			

*Tom Wirtzfeld*  
(Signature)

