

# 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): 4/14/2017

**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: 32.031.20.24.0007

Property address: 12575 Lockridge Ave N, Stillwater, MN 55082 Reason for inspection: property sale

Property owner: Ron Pearson Owner's phone: 651-503-9990

or

Owner's representative: \_\_\_\_\_ Representative phone: \_\_\_\_\_

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

Brief system description: 2 1000 gallon septic tanks & 1000 gallon pump tank lifting to 900 SF of rock trench, gravity 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 Troien Certification number: 323

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

Inspector signature: Tom Troien 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.<br><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.<br>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: 9/3/1999  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:                                  | <input type="checkbox"/> Yes <input type="checkbox"/> 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: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)       | <input type="checkbox"/> Yes <input type="checkbox"/> 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:**

**Indicate depths or elevations**

|  |    |
|--|----|
| A. Bottom of distribution media        | 42 |
| B. Periodically saturated soil/bedrock |    |
| C. System separation                   | 36 |
| D. Required compliance separation*     | 36 |

\*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**

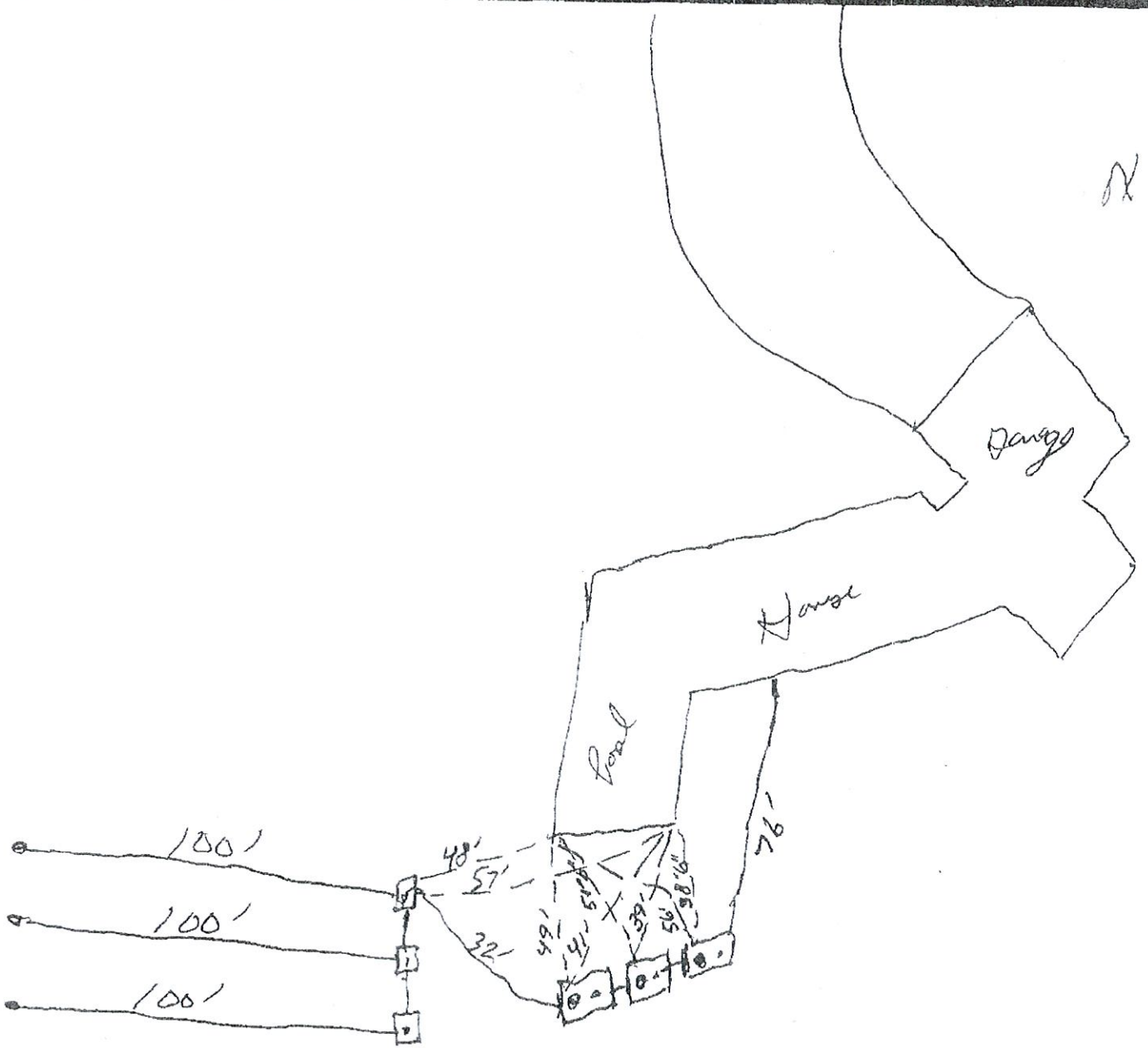
|  |  |
|--|--|
| a. Operating Permit number: <u>n/a</u>                             | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Have the Operating Permit requirements been met?                   |  |
| b. Is the required nitrogen BMP in place and properly functioning? | <input type="checkbox"/>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

2025.

AX -



3' for meter & meter

SUBJECT TO APPROVAL  
OF COUNTY BUILDING OFFICIAL

Lot 1 Block 2

Pt. of S $\frac{1}{2}$ -N $\frac{1}{2}$  Sec. 32,  
T31N R20W (May Twnshp)

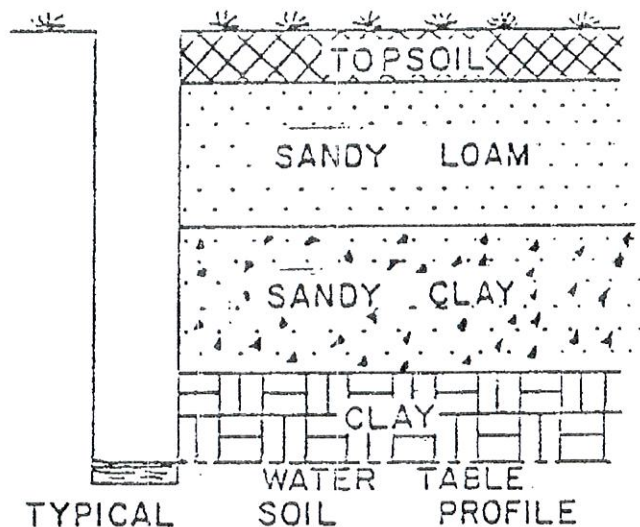
-SOIL BORINGS-

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: 9/95

## 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             | Grayish Brown Fm Sandy Loam | 0             | Grayish Brown Fm Sandy Loam | 0             | Grayish Brown Fm Sandy Loam | 0             | Grayish Brown Fm Sandy Loam |
| 1/2           | Yellowish-Brn               | 1/2           | Yellowish-Brn               | 1/2           | Yellowish-Brn               | 1/2           | Yellowish-Brn               |
| 1             | Silt Loam                   | 1             | Silt Loam                   | 1             | Silt Loam                   | 1             | Silt Loam                   |
| 1 1/2         | Silt Loam                   | 1 1/2         | Silt Loam                   | 1 1/2         | Silt Loam                   | 1 1/2         | Dark Brown Sandy Loam       |
| 2             | Dark Brown Sandy Loam       | 2             | Dark Brown Sandy Loam       | 2             | Dark Brown Sandy Loam       | 2             | Dark Brown                  |
| 2 1/2         | Dark Brown Sandy Loam       | 2 1/2         | Dark Brown Sandy Loam       | 2 1/2         | Dark Brown Sandy Loam       | 2 1/2         | Dark Brown                  |
| 3             | Brown                       | 3             | Brown                       | 3             | Brown                       | 3             | Dark Brown                  |
| 3 1/2         | Brown                       | 3 1/2         | Brown                       | 3 1/2         | Brown                       | 3 1/2         | Dark Brown                  |
| 4             | Brown                       | 4             | Brown                       | 4             | Brown                       | 4             | Dark Brown                  |
| 4 1/2         | Brown                       | 4 1/2         | Brown                       | 4 1/2         | Brown                       | 4 1/2         | Dark Brown                  |
| 5             | Brown                       | 5             | Brown                       | 5             | Brown                       | 5             | Dark Brown                  |
| 5 1/2         | Loamy Sand-                 | 5 1/2         | Loamy Sand-                 | 5 1/2         | Loamy Sand-                 | 5 1/2         | Loamy Sand                  |
| 6             | Sand                        | 6             | Sand                        | 6             | Sand                        | 6             | Loamy Sand                  |
| 6 1/2         | Sand                        | 6 1/2         | Sand                        | 6 1/2         | Sand                        | 6 1/2         | Loamy Sand                  |
| 7             | (End)                       | 7             | (End)                       | 7             | (End)                       | 7             | (End)                       |
| 7 1/2         | (End)                       | 7 1/2         | (End)                       | 7 1/2         | (End)                       | 7 1/2         | (End)                       |
| 8             | Mottling Depth: --          | 8             | Mottling Depth: --          | 8             | Mottling Depth: --          | 8             | Mottling Depth: --          |
| 8 1/2         | Mottling Depth: --          | 8 1/2         | Mottling Depth: --          | 8 1/2         | Mottling Depth: --          | 8 1/2         | Mottling Depth: --          |
| 9             | Mottling Depth: --          | 9             | Mottling Depth: --          | 9             | Mottling Depth: --          | 9             | Mottling Depth: --          |

JOB YONITANARI HOMES  
 LOT 1, C&M 2, KELLER FARM ESTATES  
 DAY TRIP

BORING LOG

SUNNY 20  
 12"-18" FROST

DATE 1-20-98

BOREHOLE DIAMETER 4'-3" HAND DRUGER

| DEPTH FEET | HOLE #1                                 | HOLE #2                                | HOLE #3                 | HOLE #4              | HOLE #5              | HOLE #6              |
|------------|---|--|-------------------------|----------------------|----------------------|----------------------|
| 1          | TOP SOIL                                | TOP SOIL                               | TOP SOIL                | TOP SOIL             | TOP SOIL             | TOP SOIL             |
| 2          | BROWN LOAM                              | BROWN LOAM                             | BROWN LOAM              | BROWN LOAM           | BROWN LOAM           | BROWN LOAM           |
| 3          | BROWN, SANDY LOAM                       | BROWN, SANDY LOAM                      | BROWN LOAM              | BROWN, MEDIUM SAND - | BROWN, MEDIUM SAND - | BROWN, SANDY LOAM    |
| 4          | BROWN, FINE SAND WITH LIGHT LOAM LAYERS | BROWN, MEDIUM SAND                     | BROWN LOAM -            | BROWN, MEDIUM SAND - | CLEAN                | BROWN, MEDIUM SAND - |
| 5          | SOIL IS CLEAN                           | BROWN, VERY SANDY LOAM - LIGHT ROCKS - | MOTTLED SOIL            | CLEAN                | CLEAN                | CLEAN                |
| 6          |   | SAND IS CLEAN                          | BROWN, MEDIUM SAND -    |                      | BROWN, FINE SAND     |                      |
| 7          | STOP                                    | STOP                                   | STOP                    | STOP                 | STOP                 | STOP                 |
| 8          | OKAY 7'                                 | OKAY 7'                                | 14" MOTTLED LAYER AT 4' | OKAY 7'              | OKAY 7'              | OKAY 7'              |
| 9          | Soil CLASSIFICATION                     |  | SOIL CLEAN AT 5' 2"     |                      |                      |                      |
| 10         | BROWN - SAND - LOAM                     |  |                         |                      |                      |                      |

# **S-P TESTING, INC.**

Steven B. Schirmers • MPCA Cert.No. 627

951 Katydid Lane NE • St. Michael, MN 55376 • (612) 497-3566

FAX • (612) 497-5011

State License #394

## **LOGS OF SOIL BORINGS**

Wooddale Builders  
Lot 1, Block 2  
Keller Farm Country Estates  
May Twmsp., Washington Co., MN

Borings completed on 1-26-99, with a hand bucket auger.

### **BORING NUMBER 1-** Elev.1006.7 - NO MOTTLED SOIL PRESENT IN THE BORING.

|     |   |     |  |
|-----|---|-----|--|
| 0   | - | 8"  | Topsoil dark brown loam 10YR 4/2                         |
| 8"  | - | 30" | Brown loam 10YR 5/6                                      |
| 30" | - | 36" | Brown loamy medium sand 10YR 5/6                         |
| 36" | - | 78" | Brown medium sand w/traces of loamy medium sand 10YR 6/4 |
| 78" | - | 96" | Brown medium sand 10YR 6/4                               |

### **BORING NUMBER 2-** Elev.1007.7 -NO MOTTLED SOIL PRESENT IN THE BORING.

|     |   |     |  |
|-----|---|-----|--|
| 0   | - | 8"  | Topsoil dark brown loam 10YR 4/2                         |
| 8"  | - | 32" | Brown loam 10YR 5/4                                      |
| 32" | - | 38" | Brown loamy medium sand 10YR 5/6                         |
| 38" | - | 68" | Brown medium sand w/traces of loamy medium sand 10YR 6/4 |
| 68" | - | 88" | Brown medium sand 10YR 6/4                               |
| 88" | - | 96" | Brown fine sand 10YR 6/3                                 |

### **BORING NUMBER 3-** Elev.1006.9 - NO MOTTLED SOIL PRESENT IN THE BORING.

|     |   |     |  |
|-----|---|-----|--|
| 0   | - | 8"  | Topsoil dark brown loam                                  |
| 8"  | - | 26" | Brown loam 10YR 5/4                                      |
| 26" | - | 30" | Brown loamy medium sand 10YR 5/6                         |
| 30" | - | 70" | Brown medium sand w/traces of loamy medium sand 10YR 6/4 |
| 70" | - | 96" | Brown medium sand 10YR 6/4                               |

Soil borings cont'd.

**BORING NUMBER 4-** Elev. 1008.4 - NO MOTTLED SOIL PRESENT IN THE BORING.

|     |   |     |  |
|-----|---|-----|--|
| 0   | - | 8"  | Topsoil dark brown loam 10YR 4/2                         |
| 8"  | - | 26" | Brown loam 10YR 5/4                                      |
| 26" | - | 30" | Brown loamy medium sand 10YR 5/6                         |
| 30" | - | 70" | Brown medium sand w/traces of loamy medium sand 10YR 6/4 |
| 70" | - | 96" | Brown medium sand 10YR 6/4                               |