

# 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): 4/19/2017

**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: 16.030.20.42.0006

Property address: 9327 Otchipwe Ave N Stillwater, MN 55082

Reason for inspection: property sale

Property owner: Dwight Carlson

Owner's phone: \_\_\_\_\_

Owner's representative: \_\_\_\_\_

Representative phone: \_\_\_\_\_

Local regulatory authority: Washington County

Regulatory authority phone: 651-430-6673

Brief system description: 1500 & 1000 gallon septic tanks & 1200 SF gravity, rock trench drainfield.

#### Comments or recommendations:

Tanks were pumped on April 18, 2017

### 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: 1993  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.	

**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 boring logs

**Indicate depths or elevations**

A. Bottom of distribution media	36
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.

**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

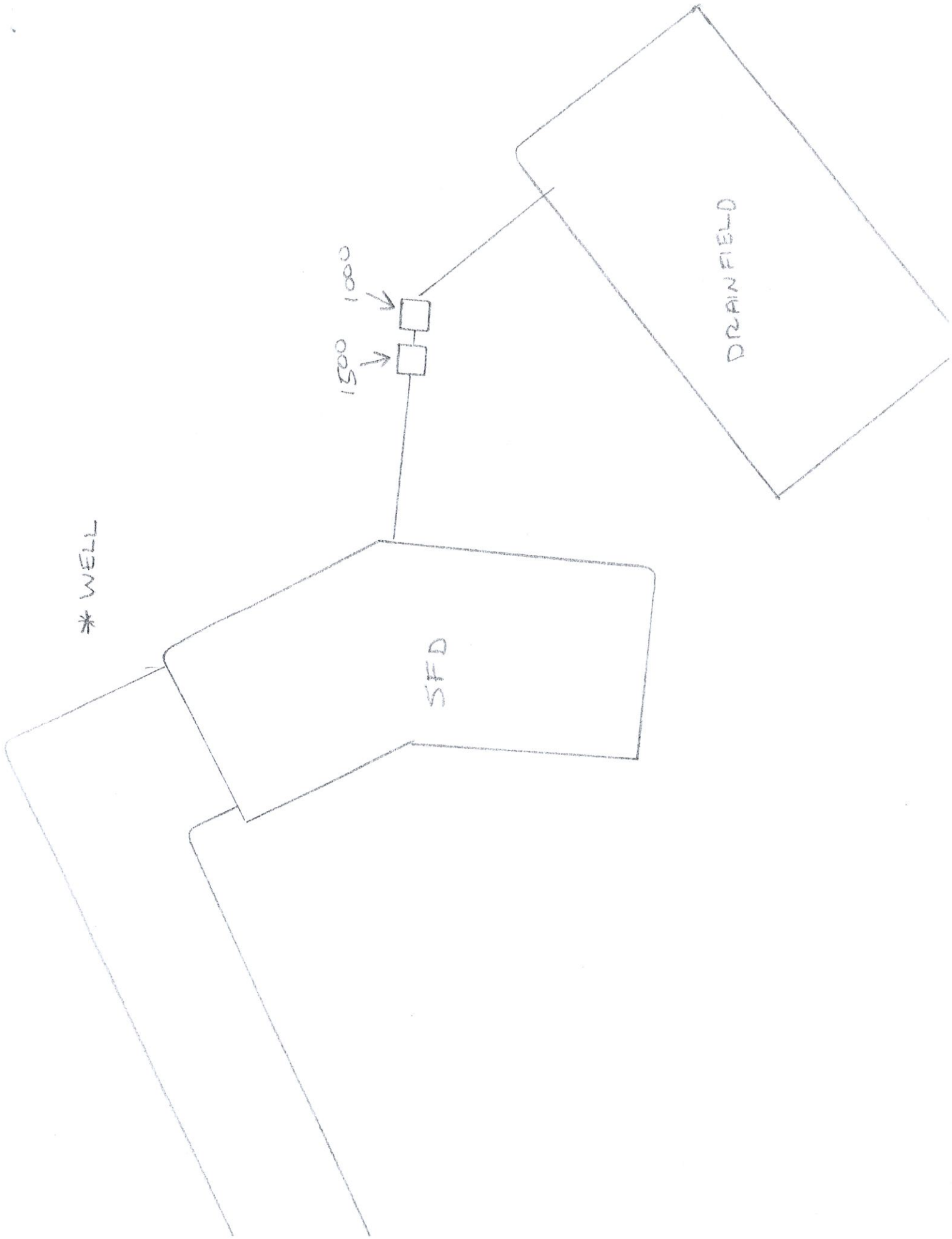
**If the answer to both questions is "no", this section does not need to be completed.**

**Compliance criteria**

a. Operating Permit number: n/a	<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.



SOIL BORINGS

\*\*\*\*\*

BORING NO. 1

BORING NO. 2

0' - 5"  
DRK. BRN. FINE SANDY LOAM

0' - 7"  
DRK. BRN. FINE LOAMY SAND

5' - 17"  
BRN. FINE - MED. LOAMY SAND

7' - 34"  
LT. BRN. FINE - MED. LOAMY SAND

17' - 8' - 0"  
LT. REDDISH BRN. FINE - MED. LOAMY SAND

34' - 5' - 5"  
LT. BRN. TAN FINE - MED. LOAMY SAND

5' - 5" - 7' - 0"  
LT. REDDISH TAN FINE LOAMY SAND

7' - 0" - 8' - 0"  
RED CLAY (TILL) (HARD)  
(COMPRESSED)

END BORING - 8' - 0"

END BORING - 8' - 0"

SATURATION ZONE: ( )  
( ) NONE:

SATURATION ZONE: ( )  
( ) NONE:

IMPERVIOUS LAYER: ( )  
( )

IMPERVIOUS LAYER: (X)  
(7' - 0")

WATER INDICATED: ( )  
( )

WATER INDICATED: ( )  
( )

SOIL BORINGS

\*\*\*\*\*

BORING NO. 3

BORING NO. 4

0" - 8"  
DNK. BRN. FINE SANDY LOAM

0" - 7"  
DNK. BRN. FINE LOAMY SAND

8" - 24"  
BRN. FINE - MED. LOAMY  
SAND

7" - 85"  
LT. REDDISH BRN. FINE - MED.  
SAND ROCKS & GRAVEL

24" - 41"  
BRN. FINE LOAMY SAND  
& ROCKS

55" - 8' - 0"  
LT. BRN. TAN FINE - MED.  
LOAMY SAND

41" - 8' - 0"  
LT. TAN FINE - MED. SAND

END BORING - 8' - 0"

END BORING - 8' - 0"

SATURATION ZONE: ( )  
( ) NONE:

SATURATION ZONE: ( )  
( ) NONE:

IMPERVIOUS LAYER: ( )  
( )

IMPERVIOUS LAYER: ( )  
( )

WATER INDICATED: ( )  
( )

WATER INDICATED: ( )  
( )



APPLICATION FOR PERMIT TO INSTALL SEWAGE TREATMENT SYSTEM

RECEIVED

MAY 18 1987

PUBLIC HEALTH

WASHINGTON COUNTY PUBLIC HEALTH
1900 - 81ST STREET N., P.O. BOX 8
STILLWATER, MN 55082 - 0000
(612) 433-6108

FOR COUNTY USE ONLY

Application Number: 46-42092

Application Fee - \$35.00
Permit Fee - \$95.00
Found Permit - \$140.00

Additional Reviews - \$25.00/hr. (1 hr. min)
Subdivision Fee - \$100.00 + \$50.00/lot
Make checks payable to WASHINGTON COUNTY TREASURER

Local Ordinance and Parcel Identification Number:
L 151-2 7-7 856 of Subd 1304 Subj to Sec 11.01 - 11.02 - 11.03 - 11.04 - 11.05 - 11.06 - 11.07 - 11.08 - 11.09 - 11.10 - 11.11 - 11.12 - 11.13 - 11.14 - 11.15 - 11.16 - 11.17 - 11.18 - 11.19 - 11.20 - 11.21 - 11.22 - 11.23 - 11.24 - 11.25 - 11.26 - 11.27 - 11.28 - 11.29 - 11.30 - 11.31 - 11.32 - 11.33 - 11.34 - 11.35 - 11.36 - 11.37 - 11.38 - 11.39 - 11.40 - 11.41 - 11.42 - 11.43 - 11.44 - 11.45 - 11.46 - 11.47 - 11.48 - 11.49 - 11.50 - 11.51 - 11.52 - 11.53 - 11.54 - 11.55 - 11.56 - 11.57 - 11.58 - 11.59 - 11.60 - 11.61 - 11.62 - 11.63 - 11.64 - 11.65 - 11.66 - 11.67 - 11.68 - 11.69 - 11.70 - 11.71 - 11.72 - 11.73 - 11.74 - 11.75 - 11.76 - 11.77 - 11.78 - 11.79 - 11.80 - 11.81 - 11.82 - 11.83 - 11.84 - 11.85 - 11.86 - 11.87 - 11.88 - 11.89 - 11.90 - 11.91 - 11.92 - 11.93 - 11.94 - 11.95 - 11.96 - 11.97 - 11.98 - 11.99 - 12.00

Applicant: OWIGHT & GEORGINA CARLSON - 9251 OTCHIPWEE AVE. NO. 40, STILLWATER, MN. 55082
Mailing Address: 9251 OTCHIPWEE AVE. NO. 40, STILLWATER, MN. 55082
City: State: Zip: Phone: 253-0822

Use of Building: NEW HOUSE
Number of Bedrooms or Bathrooms Per Day: 600 GPD 2851

Check the following fixtures which are or will be installed:
Garbage Disposal: NO
Corrosion Resisting Facility (Aluminum, hot dip, etc.): YES
Type of Work: New Alteration Repair X Approved Only

Has this been previously reviewed by Washington County? X No
If previously approved, attach letter of approval: Approved \_\_\_\_\_ Denied \_\_\_\_\_

The following exhibits are required as part of this application and shall be approved by the Permitting Office: Percolation Test Logs; Soil Boring Logs; Site Plan drawn to scale showing location of buildings, lot lines, percolation test holes, soil boring holes, proposed location of system and well; 3 copies of the System Design; and 1 copy of the Final Building Plan. The house and the drainfield area must be staked. Improper or inadequate test information will result in delays in processing.

Agreement: The undersigned hereby makes Application for Permit to Install an Sewage Treatment System which specifies, agreeing that such work shall be done in strict accordance with ordinances and regulations of the County of Washington, Minnesota. Applicant agrees that the Site Plan, sketches and Design submitted herewith, and which are reviewed by the Washington County Building Official or his agent, together with any requirement and/or modification made necessary by conditions peculiar to a particular location, shall become a part of the permit. Applicant further agrees to provide access, at reasonable times, for the Building Official or his agent for the purpose of performing inspections required and that no part of the system shall be covered until it has been inspected and accepted. APPLICATION IS FOR AN INSTALLATION AT A SPECIFIC LOCATION; ANY DEVIATION FROM THE APPROVED LOCATION WILL VOID THE PERMIT. It shall be the responsibility of the applicant for the permit to notify the Office of the Building Official that the installation is ready for inspection.

Signature of Applicant: [Signature] Date: 5-14-87

Soil Evaluation Company/Qualitative Action

FOR OFFICE USE ONLY:
Reviews: Plans: Inspector: J. Gornel Date: 5-21-87

Site Evaluation:
Soil Boring Evaluation: Depth of Over Vault, Seasonal Water Table (Mottled Soil), Impervious Layer or Bedrock:

Table with columns: Soils Map Code, Percolation Test Evaluation (Required, Actual), Separators (Well including adjacent property, Wetland, Pond, Lake, Stream, River, or Bluffline), and Additional Tests Required.

REBE 33.90 acres
generally made sand & rocks
B-2 Has Till at 7'
4" Trench OK
sewer casing - not clear but probably on permit