



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): 10/25/2017

[X] 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:

Property address: 10115 217th St N Forest Lake, MN 55025 Reason for inspection: Sale

Property owner: Robert Winning Owner's phone: 651-494-2374

Owner's representative: Representative phone:

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6000

Brief system description: 1250 gallon septic tank, gravity rock trench drainfield

Comments or recommendations:

Robert reported replacing a collapsed distribution box in January of 2014. No issues with the system since then. Previously passed inspection in 2009 - that report is attached.

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: Benjamin Zierke Certification number: 9594

Business name: Zierke Soil Testing License number: 119

Inspector signature: [Signature] Phone number: 651-249-1346

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] System/As-built drawing [ ] Forms per local ordinance
[X] Other information (list): 2009 Compliance Inspection

**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:**

No issues noted during site visit 10/24/2017.

**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:**

Present for pumping by Olson's 10/24/2017. Tank and baffles in good condition.

**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: 1976  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:**

**Indicate depths or elevations**

A. Bottom of distribution media	98.2
B. Periodically saturated soil/bedrock	95.0
C. System separation	3.2
D. Required compliance separation*	3.0

\*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: \_\_\_\_\_  
Have the Operating Permit requirements been met?  Yes  No
- 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.



## Compliance Inspection Form for Existing Individual Sewage Treatment Systems

**Minnesota Pollution Control Agency**

*Completion of this form fulfills the minimal requirements of Minn. Stat. § 115.55 (2001) and Minnesota R. ch. 7080 (1999). Please refer to local ordinances for other requirements or information, especially for compliance requirements for bedroom additions.*

**General:**

**Date of Inspection:** 10/20/09    **Reason for inspection:** Pending sale of home  
**Property Owner(s)** John & Dawn La Fontsee    **Telephone (651)** 261-0324  
**Person requesting inspection** Dawn    **Telephone ( )** \_\_\_\_\_  
**Site Address** 10115 217th St. N.    **City** Forest Lake, MN.    **Zip Code** 55025  
**Fire No./ Parcel No.** \_\_\_\_\_    **County** Washington    **Township** Forest Lake  
**Legal Description** 5 acre parcel, Sec. 13, City of Forest Lake  
**Local Regulatory Authority** City of Forest Lake  
**Date system constructed** 1976    **System in Shoreland Area:** yes  no     **System in Wellhead Protection Area:** yes  no     **Local Permit # (if any)** \_\_\_\_\_

Systems built <b>prior</b> to April 1, 1996 <b>and not</b> located in Shoreland <b>or</b> Wellhead Protection Area <b>or</b> Serving a Food, Beverage or Lodging Establishment	Systems located in Shoreland <b>or</b> Wellhead Protection Areas <b>or</b> Serving a Food, Beverage or Lodging Establishment, <b>or</b> systems Built <b>after</b> March 31, 1996
<p><b><u>Is the system an imminent threat to public health or safety?</u></b> <i>(a yes answer is an ITPHS system)</i></p> <ul style="list-style-type: none"> <li>- Discharge of sewage to the ground surface?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- Discharge of sewage to draintile or surface waters?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- Sewage backup into dwelling?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- Situation with the potential to immediately and adversely impact or threaten public health or safety?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> </ul> <p><b><u>Is the system failing?</u></b> <i>(a yes answer is a failing system)</i></p> <ul style="list-style-type: none"> <li>- Less than <b>TWO</b> feet of vertical separation between system bottom and saturated soil or bedrock?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- A seepage pit, cesspool, drywell, or leaching pit?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> </ul> <p><b><u>Is the system non-compliant?</u></b></p> <ul style="list-style-type: none"> <li>- Is the system regulated under a monitoring plan or operating permit? <i>(if no, go to page 2)</i>    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li style="padding-left: 20px;"><i>If yes,</i></li> <li>- Has the required monitoring taken place?    YES <input type="radio"/> NO <input checked="" type="radio"/> <i>(If no, the system is non-complying)</i></li> <li>- Does the monitoring indicate that the system meets performance expectations?    YES <input type="radio"/> NO <input checked="" type="radio"/> <i>(If no, the system is non-complying)</i></li> </ul>	<p><b><u>Is the system an imminent threat to public health or safety?</u></b> <i>(a yes answer is an ITPHS system)</i></p> <ul style="list-style-type: none"> <li>- Discharge of sewage to the ground surface?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- Discharge of sewage to draintile or surface waters?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- Sewage backup into dwelling?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- Situation with the potential to immediately and adversely impact or threaten public health or safety?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> </ul> <p><b><u>Is the system failing?</u></b> <i>(a yes answer is a failing system)</i></p> <ul style="list-style-type: none"> <li>- Less than <b>THREE</b> feet of vertical separation between system bottom and saturated soil or bedrock?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li>- A seepage pit, cesspool, drywell, or leaching pit?    YES <input type="radio"/> NO <input checked="" type="radio"/></li> </ul> <p><b><u>Is the system non-compliant?</u></b></p> <ul style="list-style-type: none"> <li>- Is the system regulated under a monitoring plan or operating permit? <i>(if no, go to page 2)</i>    YES <input type="radio"/> NO <input checked="" type="radio"/></li> <li style="padding-left: 20px;"><i>If yes,</i></li> <li>- Has the required monitoring taken place?    YES <input type="radio"/> NO <input checked="" type="radio"/> <i>(If no, the system is non-complying)</i></li> <li>- Does the monitoring indicate that the system meets performance expectations?    YES <input type="radio"/> NO <input checked="" type="radio"/> <i>(If no, the system is non-complying)</i></li> </ul>

Property Owner(s) John & Dawn La Fontsee Fire No./ Parcel No. \_\_\_\_\_

**System Components** (Please describe the system components and attach site sketch showing system location):  
Septic tank with gravity drainfield.

**What methods were used to make the determinations for the compliance inspection?** (Note: No standard protocol exists. The following list is not exhaustive, or in sequential order nor indicates which combinations may necessary to make a determination)

**Watertight tank(s)**

- Probed tank bottom
- Observed low liquid level
- Examined const. records
- Examined empty (pumped) tank
- Probed outside tank for "black soil"
- Pressure/vacuum check
- Other Tank pumped by Olsons Sewer on 6/25/09. Tank OK.

**Hydraulic Functioning**

- Searched for surface outlet
- Performed hydraulic test
- Searched for seeping in yard
- Checked for back-up in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony
- Examined for surging in tank
- "Black soil" above soil system
- Other \_\_\_\_\_

**Vertical Separation Distance**

- Conducted soil borings
  - Depth to limiting layer 95.0'
  - Depth to system bottom 98.2'
- Examined records separation=3.2'
- LGU Limiting Layer Verification
- Other \_\_\_\_\_

**Status of the system**

Based on the compliance criteria, the system status is: (check one)  failing (to protect groundwater)  an imminent threat to public health or safety (ITPHS),  non-compliant (monitoring issue)  compliant (none of the 3 previous conditions). Therefore, this document is a:  Certificate of Compliance  Notice of Noncompliance  
Is this system an EPA Class V Injection Well?  yes  no

**Certification**

I hereby certify as a state of Minnesota licensed Inspector and/or Designer I or Qualified Employee Inspector and/or Qualified Employee Designer I that I conducted an investigation that accurately determined the compliance status of this system and that my recorded observations are accurate as of this date. No determination of future hydraulic performance has been nor can be made due to unknown conditions during system construction, abuse of the system, inadequate maintenance, or future water usage.

Inspector's name (print) Christopher J. Zierke Phone (651) 462-2294  
License and/or Registration Number #119 (00998) Address 27072 Flintwood Circle, Wyoming, MN. 55092  
Employed by self Address \_\_\_\_\_  
Signature [Signature] Date 10/20/09

**Upgrade Requirements** (derived from Minnesota Statutes § 115.55)

An 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 fails to provide sufficient groundwater protection, then the system must be upgraded, replaced, or its use discontinued within the time required by rule or the 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 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.

**Suggested Attachments**

- 1) Site sketch could also include: well, well setback to system, dwelling or other buildings, tank(s), reserved soil treatment area, surface water and soil boring locations. Include as-built drawing if available.
- 2) Soil boring logs, showing each horizon. Indicate the texture, color, redoximorphic features depth to bedrock, standing water and whether the material is fill.
- 3) A list of any and all requirements of the local ordinance that are different from the state requirements referred to on this form.
- 4) A homeowner survey of system performance, signed by the homeowner as being factual.
- 5) Monitoring data as appropriate.

**LOGS OF SOIL BORINGS**

Location of Project Dawn La Fontsee, 5 acres, Sec. 13, City of Forest Lake, Washington Co.  
Borings Made by Chris Zierke Date: 10/20/09  
Hand bucket auger used for borings; USDA – SCS Soil Classification used.

Depth, In Feet	<b>Boring Number 1</b>
0-----	
0-6"	Dark-brown loamy sand(7.5YR-3/3)
6-66"	Brown loamy sand(7.5YR-4/4), iron-st. & light-gray mottles below 60"

End of boring at 5.5 feet.  
**Standing water table:**  
Present at    feet of depth,    hours after boring.  
Standing water not present in hole .  
**Mottled Soil:**  
Observed at 5 feet of depth.  
Mottled soil not present in bore hole .Comments:

Depth, In Feet	<b>Boring Number 2</b>
0-----	

End of boring at    feet.  
**Standing water table:**  
Present at    feet of depth,    hours after boring.  
Standing water not present in hole .**Mottled Soil:**  
Observed at    feet of depth.  
Mottled soil not present in bore hole .Comments:

Depth, In Feet	<b>Boring Number 3</b>
0-----	

End of boring at    feet.  
**Standing water table:**  
Present at    feet of depth,    hours after boring.  
Standing water not present in hole .**Mottled Soil:**  
Observed at    feet of depth.  
Mottled soil not present in bore hole .Comments:

Depth, In Feet	<b>Boring Number 4</b>
0-----	

End of boring at    feet.  
**Standing water table:**  
Present at    feet of depth,    hours after boring.  
Standing water not present in hole .**Mottled Soil:**  
Observed at    feet of depth.  
Mottled soil not present in bore hole .Comments:

217<sup>th</sup> St. N.

Row



Drive

Garage

LaFontsee  
10/20/09

House

Garage



Trees



Yard

BM Tank

B-1

shed

Relative Elevations

B-1 = 100.0'

Mottled Soil = 95.0'

Top of Rock = 99.7'

Bottom of Rock = 98.2'

Separation = 3.2'

BM = 102.2'

(top of Manhole cover on  
septic tank)