



**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): 5/12/2017

**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: \_\_\_\_\_

Property address: 23130 Itasca Ave Cir N, Forest Lake, MN 55025

Reason for inspection: Sale

Property owner: Dave Tims

Owner's phone: 651-263-7269

or

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

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

Local regulatory authority: Washington County

Regulatory authority phone: 651-430-6000

Brief system description: Two 1500 gallon septic tanks, 1500 gallon lift station, mound dispersal system

**Comments or recommendations:**

This mound system and yard have been extensively graded. Boring elevations are estimates as to original grade.

### 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: *Benjamin Zierke*

Phone number: 651-249-1346

### Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- Other information (list): Pumping Report

**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:**

House is vacant. No signs of past septic failure.

**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:**

Tanks pumped by Olson's 5/9/2017. See attached.

**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: 11/9/2005  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	99.3
B. Periodically saturated soil/bedrock	96.6
C. System separation	2.7
D. Required compliance separation*	3.0 (2.55 with allowance)

\*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: \_\_\_\_\_  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.

## Logs of Soil Borings

Location of Project: 23130 Itasca Ave Cir N Forest Lake, MN 55025

Borings Made by Ben Zierke

Date:

5/1/2017

Hand bucket auger used for borings; USDA - SCS Soil Classification used.

Depth, in Inches	Boring Number 1	Depth, in Inches	Boring Number 2
0-----	-----	0-----	-----
0-20"	Mixed loamy fill	0-24"	Mixed loamy fill
20-24"	10YR 3/3 loam	24-28"	10YR 3/3 silt loam
24-32"	10YR 4/4 loam	28-36"	10YR 5/2 silt loam, strong redox at 28"
32-42"	10YR 5/4 clay loam, redox below 41"		

End of boring at 3.5 feet

**Standing water table:**

Present at \_\_\_\_\_ feet of depth \_\_\_\_\_ Hours after boring

Standing water not present in hole

**Mottled Soil:**

Observed at 3.4 feet of depth

Mottled soil not present in bore hole

Comments:

End of boring at 3 feet

**Standing water table:**

Present at \_\_\_\_\_ feet of depth \_\_\_\_\_ Hours after boring

Standing water not present in hole

**Mottled Soil:**

Observed at 2 feet of depth

Mottled soil not present in bore hole

Comments:

Depth, in Inches	Boring Number 3	Depth, in Inches	Boring Number 4
0-----	-----	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:

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:

3/2016

**Relative Elevations (in feet)**

**B1: 100.0, redox 96.6**

**B2: 97.8, redox 95.8**

**Bottom of rock: 99.3**

**B1 Separation: 2.7**

**B2 Separation: 3.5**

**Benchmark: 100.5  
(top of powerbox by lift)**

**Height of instrument: 107.2**



1991

Imagery Date: 3/11/2016

45°17'18.72" N 92°55'55.02" W elev 934 ft eye alt 1275 ft

Google Earth

# Service Order

Service Order #: 81789

Olson's Sewer Service, Inc. 17638 Lyons Street N.E. Forest Lake, MN 55025 651-464-2082

Date:  Preferred Time:  Important Note:

**Addr:** 23130 Itasca Avenue Circle North

Pumping for Compliance by Ben Zierke - Gate not locked so can get out and unlatch for access. No one living here; owned by Holding Company. Ben emailed Lee and he will pay us.

**Name:** Dan Clauson **H:** (651) 982-4553  
**City:** Forest Lake, MN 55025 **W:** (612) 919-1853  
**Cty:** Washington  
**Twp:**

Driving Dir	CHECK INFO IN 23150 Itasca Avenue Circle North Address for original excavating work records-no other service records in that file-3/2008 GI										
Tank Type	Pre-cast	<b>PreT</b>		<b>T1</b>		<b>T1C</b>	<b>T2</b>		<b>T3</b>		<b>LS</b>
Treatment Type	Mound System	Sizes:		1500			1500		1500		
Treatment Area	900Sq Ft	Depth to MH:		Grade		C	Grade		C		C
<input type="text" value="1"/>	125 Ft	Riser Feet:									
Dist to Lift Tank		LS Outlet to Bottom:									

Water Meter	<input type="text"/>	Power Disconnect at Lift	<input type="text" value="Y"/>							
Effluent Filter	<input type="text"/>	Looped	<input type="text" value="Y"/>							
Two Techs	<input type="text"/>	# Bedrooms	<input type="text"/>							
City Sewer	<input type="text" value="N"/>	Pump Breaker	<input type="text"/>							
Install Date	11/9/2005	<b>Baseline Equal Dist Hgt</b>								
Installer	Olson's Sewer Service, Inc.	1	<input type="text"/>	4	<input type="text"/>					
As Built	W. 747	2	<input type="text"/>	5	<input type="text"/>					
Cleanout		3	<input type="text"/>	6	<input type="text"/>					
Lift Pump	WEO511H 1/2hp Gould pump									

Service Type	Last Service Date	Mobilize Time	At Site Time	Complete Time	Disposal Time	Leave Disposal Time
1 Lift Station Maintenance	9/1/2009	1:50 PM	2:40 PM	4:15 PM		
2 Maintenance Pumping	9/1/2009					
3 LUG Permit						

Time Dosing	<input type="text"/>	Iron Filter	<input type="text"/>	S&E Quality	<input type="text"/>	Eq Dist Hgt	1	<input type="text"/>			
Lint Filter	<input type="text"/>	Sump Pump	<input type="text"/>	PH Reading	<input type="text"/>		2	<input type="text"/>			
Switch Tree	<input type="text"/>	Ejector Pump	<input type="text"/>	Non Dom Wastes	<input type="text"/>		3	<input type="text"/>			
Event Counter	<input type="text"/>	Mgmt Plan	<input type="text"/>	TA Visual Insp	<input type="text"/>		4	<input type="text"/>			
Garbage Disp.	<input type="text"/>	Monitoring	<input type="text"/>				5	<input type="text"/>			
Water Softener	<input type="text"/>	Irrigation	<input type="text"/>				6	<input type="text"/>			

<b>Dump Site</b>	<b>Gal Pumped</b>	<b>CSR</b>	<input type="text" value="Liz"/>	<b>Reminder</b>	<input type="text" value="5/4/2020"/>
Metro	3523	Garden Hose	<input type="text" value="Y"/>	Holding	Lift Station Last Service
<b>Total:</b>	<b>3523</b>	FollowUp	<input type="text"/>	Septage	<input type="text"/>
				Tank	Commercial
		Sewage Type Disposed	<input checked="" type="checkbox"/>		Vehicle
		Amt Billed	<input type="text" value="637.00"/>	Service Person	<input type="text" value="JH"/>
		Payment Type	<input type="text" value="Invoiced Ben Zierke"/>	Inv #	<input type="text" value="84599"/>

**Service Order Comments:** Water should be turned on and hose available. Customer writing one check to Ben Zierke for compliance and pumping; quoted \$620.00 + \$17 for the report to Ben for this work.

**Site Comments:**

**Post Comments:** Pumped septic and lift. Refilled lift. Couldn't check the alarm due to no one was home.