

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 appl Submit completed form to Local Unit of Government (LUG) and system within 15 days	
System Status	
System status on date (mm/dd/yyyy): 4/18/2017	
The state of the s	ncompliant – Notice of Noncompliance Upgrade Requirements on page 3.)
Reason(s) for noncompliance (check all applicable)  Impact on Public Health (Compliance Component #1) – Imminent Other Compliance Conditions (Compliance Component #3) – Immited Tank Integrity (Compliance Component #2) – Failing to protect good Other Compliance Conditions (Compliance Component #3) – Failing to protect Soil Separation (Compliance Component #4) – Failing to protect Operating permit/monitoring plan requirements (Compliance Component #4)	minent threat to public health and safety roundwater ling to protect groundwater groundwater
Property Information Parcel ID# or Sec/	Twp/Range:
Property address: 14676 197 <sup>th</sup> St Ct N Marine on St Croix, MN 55047	Reason for inspection: Sale
Property owner: Paula and John Larson	Owner's phone: 651-433-4951
or	
Owner's representative:  Local regulatory authority: Washington County	Representative phone:
Brief system description: 1500 gallon septic tank, 1000 gallon septic tank,	
Comments or recommendations:	
Certification	
I hereby certify that all the necessary information has been gathered to determination of future system performance has been nor can be made due to possible abuse of the system, inadequate maintenance, or future water usage	to unknown conditions during system construction,
Inspector name: Benjamin Zierke	Certification number: 9594
Business name: Zierke Soil Testing	License number: 119
Inspector signature:	Phone number: 651-249-1346
Necessary or Locally Required Attachments	
	orms per local ordinance

1.	impact on Public nealth - C	ompliance component	1#1013
	Compliance criteria:		Verification method(s):
	System discharges sewage to the	☐ Yes ⊠ No	Searched for surface outlet
\$ <del>1</del> 2	ground surface.  System discharges sewage to drain	☐ Yes ☒ No	<ul> <li>✓ Searched for seeping in yard/backup in home</li> <li>✓ Excessive ponding in soil system/D-boxes</li> </ul>
-	tile or surface waters.		☐ Homeowner testimony (See Comments/Explanation)
	System causes sewage backup into dwelling or establishment.	☐ Yes ⊠ No	☐ "Black soil" above soil dispersal system ☐ System requires "emergency" pumping
i. <del></del>	Any "yes" answer above indi	cates the	Performed dye test
	system is an imminent threat health and safety.	to public	☐ Unable to verify (See Comments/Explanation) ☐ Other methods not listed (See Comments/Explanation)
2	Comments/Explanation:		
	Paula did not report any issues with the	e system.	
2	Tank Integrity - Compliance	component #2 of 5	
	Compliance criteria:	oomponent #2 or o	Verification method(s):
10-	System consists of a seepage pit,	☐ Yes ☒ No	Probed tank(s) bottom
	cesspool, drywell, or leaching pit.	□ 100 ⊠110	Examined construction records
	Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.		Examined Tank Integrity Form (Attach)
i	Sewage tank(s) leak below their	☐ Yes ☒ No	Observed liquid level below operating depth
	designed operating depth.		<ul><li>☐ Examined empty (pumped) tanks(s)</li><li>☐ Probed outside tank(s) for "black soil"</li></ul>
,	If yes, which sewage tank(s) leaks:		Unable to verify (See Comments/Explanation)
,	Any "yes" answer above indi system is failing to protect g		Other methods not listed (See Comments/Explanation)
	Comments/Explanation:	0 " 1 1	
	Tanks pumped by Olson's 4/14/2017.	See attached.	
3.	Other Compliance Condition	ns – Compliance compo	nent #3 of 5
	a. Maintenance hole covers are dama	aged, cracked, unsecured, c	or appear to be structurally unsound. ☐ Yes* ☒ No ☐ Unknown
	b. Other issues (electrical hazards, etc.) *System is an imminent threat to		
	Explain:		
	c. System is non-protective of ground *System is failing to protect ground		as determined by inspector .   Yes*   No
	Explain:		
	ose • • • • • • • • • • • • • • • • • • •		

4. Soil Separation – Compliance co	mponent #4 or 5			
Date of installation: 10/14/2003 (mm/dd/yyyy)	Unknown		ication method(s):	N N
Shoreland/Wellhead protection/Food beverage lodging?	⊠ Yes □ No	obsei unles	bservation does not expire. Pre vations by two independent pa s site conditions have been alte	rties are sufficient,
Compliance criteria:		requi	rements differ.	
For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead	☐ Yes ☐ No		onducted soil observation(s) (At	
Protection Area or not serving a food,		1.500	vo previous verifications (Attach ot applicable (Holding tank(s), no	
beverage or lodging establishment:		Masterson Inches		
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.			nable to verify (See Comments/E. ther (See Comments/Explanation)	хріапаціопу
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	Com	ments/Explanation:	
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*				
"Experimental", "Other", or "Performance"	☐ Yes ☐ No	India	ate depths or elevations	AND THE RESIDENCE OF THE PARTY
systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.		A. Bo	ottom of distribution media	101.3
2350 or 7080.2400 (Advanced Inspector License required)		B. Pe	eriodically saturated soil/bedrock	98.5
Drainfield meets the designed vertical		C. S	stem separation	2.8
separation distance from periodically saturated soil or bedrock.				3.0 (2.55 with allowance)
Any "no" enguer chave indicates t	ho ovotom io		equired compliance separation* be reduced up to 15 percent if	
Any "no" answer above indicates to failing to protect groundwater.	ne system is		nance.	anoviou by Eood.
raining to proteot groundwater.				
<ol><li>Operating Permit and Nitrogen</li></ol>	BMP* - Compliand	ce co	mponent #5 of 5	Not applicable
Is the system operated under an Operating				
Is the system required to employ a Nitroger	n BMP?		o If "yes", B below is requi	red
BMP = Best Management Practice(s)	specified in the system o	lesign		
If the answer to both questions is "r	no", this section doe	s not	need to be completed.	
Compliance criteria			principle on the control of the cont	
Operating Permit number:				
Have the Operating Permit requirement	ents been met?		☐ Yes ☐ No	
b. Is the required nitrogen BMP in place	and properly functioning	g?	☐ Yes ☐ No	
Any "no" answer indicates Nonc	1000			
Upgrade Requirements (Minn. Stat. § 115.55	i) An imminent threat to put	olic hea	Ith and safety (ITPHS) must be upo	graded, replaced, or its use

**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, 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:

14676 197th St Ct N Marine on St Croix, MN 55047

Borings Made by Ben Zierke

Date:

3/30/2017

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

Depth, in Inches	Boring Number 1	Depth, in Inches	Boring Number 2
0-4"	7.5YR 3/3 loam	0-12"	7.5YR 3/3 silt loam
4-18"	7.5YR 4/4 loam, redox present at 18"	12-24"	7.5YR 4/4 silt loam, redox present below 15"
18-24"	5YR 4/4 loam, strong concentrations and reductions present throughout profile		
End of boring at Standing water table Present at Standing water not p Mottled Soil: Observed at Mottled soil not pres Comments:	feet of depth Hours after boring resent in hole  1.5 feet of depth	End of boring at Standing water tab Present at Standing water not p Mottled Soil: Observed at Mottled soil not pres Comments:	feet of depth Hours after boring  1.3 feet of depth
Depth, in Inches	Boring Number 3	Depth, in Inches	Boring Number 4
O End of boring at	ieet	O End of boring at	feet
Standing water tab Present at Standing water not p Mottled Soil: Observed at Mottled soil not pres Comments:	feet of depth Hours after boring oresent in hole feet of depth	Standing water tab Present at Standing water not p Mottled Soil: Observed at Mottled soil not pres Comments:	feet of depth Hours after boring feet of depth feet of depth

1992 Height of instrument: 105.4 Benchmark: 98.9 B2 Separation: 3.3 B1 Separation: 2.8 Bottom of rock: 101.3 B2: 99.3, redox 98.0 B1: 100.0, redox 98.5 Relative Elevations (in feet) (top of manhole on lift) © 2016 Google Imagery Date: 3/11/2016 45°14'14.26" N 92°48'23.66" W elev 991 ft eye alt 1239 ft 🔘 Google Earth 0

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

Date: 4/14	1/2017 Preferred	d Time: 8:00	AM	12:00	РМ		Directions:	I	Road R	estric	tions	(Tons	;) [
Addr: 146	76 197th Stree	et Court N	orth	THE STREET STREET	14-15-2019W0 (21)	i et en eur von <del>en en en en e</del> n en	Paula's wor	k num	nber	THE PERSON NAMED IN	terretistic i para a sargagas	Copular Portion Turn to the	MARCHA STREET, PRINCE SANSA
	& John Larson e, MN 55047 ington		(651) 433-49 (651) 303-82		aula								
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Effluent Filter	A. S.	Power Di			( (		Covers Secure:		Y		Υ		Y
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City Sewer	N		Pump Breake	-	ŧ	_  Ir	filtration \ OL:		N		N		N
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2 Lift Statio	n Maintenance	10/8/201	4	1		Complete to a graph and the control of	- 14 - Procedure description - 1.0 (400) months	1			Marie Service Co. Co. Co.	CONTRACTOR CONTRACTOR	1
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	ground surface.	☐ Yes ☐ No	☐ Searched for surface outlet
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