ZIERKE SOIL TESTING

Traci Hoffe 22389 Kirk Ct N Scandia, MN 55073

6/11/2019

Dear Traci Hoffe,

At your request, I have conducted a septic inspection to determine the compliance status of your system pursuant to Minnesota Rules Chapter 7080.1500.

The compliance test set out in 7080.1500 has three main inquiries: 1). Is the system functioning hydraulically (disposing of effluent in a manner that prevents it from coming in contact with people)? 2). Are the septic tanks water tight? 3). Does the system have sufficient vertical separation between the bottom of the septic system and restrictive layers (bedrock, standing water, seasonally wet layers, etc) to provide full treatment of effluent?

Based off of these criteria, your system is <u>compliant</u>. A certification of compliance is in effect for three years from the date it is issued. To be clear, this should not be construed as a guarantee of future system function – there are too many factors that influence the lifespan of a septic system for an inspector to predict or even guess how long a septic system will last. Proper care and maintenance of the system can prolong lifespan – see https://septic.umn.edu/septic-system-owners for more information. A copy of this report will be filed with your local unit of government for their records.

Sincerely,

Benjamin Zierke

ADDRESS: 28587 Jeffrey Ave Chisago City, MN 55013

PHONE 651-249-1346

EMAIL benzierke@gmail.com



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.	For local tracking purposes:				
Submit completed form to Local Unit of Government (LUG) and system owner within 15 days					
System Status					
System status on date (mm/dd/yyyy): 6/20/2019					
 ✓ 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 Other Compliance Conditions (Compliance Component #3) – Imminent threat to Tank Integrity (Compliance Component #2) – Failing to protect groundwate Other Compliance Conditions (Compliance Component #3) – Failing to protect groundwate Soil Separation (Compliance Component #4) – Failing to protect groundwate Operating permit/monitoring plan requirements (Compliance Component #4)	eat to public health and safety er otect groundwater oter				
Property Information Parcel ID# or Sec/Twp/Rang	ie.				
	or inspection: Sale				
	phone: 612-940-8903				
or					
	tative phone:				
	ry authority phone:651-430-6655				
Brief system description: (2) 1000 gallon septic tanks, 1000 gallon lift station, mount	d dispersal system				
Comments or recommendations:					
Certification					
I hereby certify that all the necessary information has been gathered to determine the of determination of future system performance has been nor can be made due to unknow possible abuse of the system, inadequate maintenance, or future water usage.					
	on number: C9594				
	se number: L119				
Inspector signature:	ne number: 651-249-1346				
Necessary or Locally Required Attachments					
Soil boring logs	local ordinance				
☐ Other information (list): Pumping Reports					

	-		(mm/dd/yyyy)			
1.	Impact on Public Health –	Compliance co	mponent #1 of 5			
	Compliance criteria:		Verification method(s):			
	System discharges sewage to the	☐ Yes ☒ No				
	ground surface.		Searched for seeping in yard/backup in home			
	System discharges sewage to drain tile or surface waters.	☐ Yes ⊠ No				
		DVac Na	☐ 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			
ē	Any "yes" answer above inc	licates the	Performed dye test			
	system is an imminent threa		Unable to verify (See Comments/Explanation)			
	health and safety.		Other methods not listed (See Comments/Explanation)			
	Comments/Explanation:					
	Homeowner did not report any issues ponding.	with the system.	Visual inspection of mound area showed no signs of past leakage or			
	ponding.					
2.	Tank Integrity – Compliance	component #2	? of 5			
	Compliance criteria:		Verification method(s):			
	System consists of a seepage pit,	☐ Yes ⊠ No	☐ Probed tank(s) bottom			
	cesspool, drywell, or leaching pit.		Examined construction records			
	Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.		Examined Tank Integrity Form (Attach)			
	Sewage tank(s) leak below their	☐ Yes ☒ No	Observed liquid level below operating depth			
	designed operating depth.		☑ Examined empty (pumped) tanks(s)☑ Probed outside tank(s) for "black soil"			
	If yes, which sewage tank(s) leaks:		Unable to verify (See Comments/Explanation)			
	Any "yes" answer above indicates the system is failing to protect groundwater.		☐ Other methods not listed (See Comments/Explanation)			
	Comments/Explanation:					
			8/2019. Present for pumping of lift tank - tank in good condition. See			
	attached tank reports from Olson's S	ewer Service.				
3.	Other Compliance Condition	ns – Compliance	e component #3 of 5			
	a. Maintenance hole covers are dan	naged, cracked, uns	secured, 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:	o public ficular af	id durety.			
	Expiairi.					
	c. System is non-protective of groun *System is failing to protect gro		onditions as determined by inspector . \[\sum \text{Yes*} \text{No} \]			
	Explain:					
	**					

Inspector initials/Date: BZ | 6/20/2019

Property address: 22389 Kirk Court N Scandia, MN 55073

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Property address: 22389 Kirk Court N Scandia	a, MN 55073	Inspector initials/Date:	BZ 6/20/2019 (mm/dd/yyyy)		
4. Soil Separation - Compliance co	omponent #4 of 5				
Date of installation: 9/18/2006	Unknown	Verification method(s):			
(mm/dd/yyyy) Shoreland/Wellhead protection/Food beverage lodging?	☐ Yes ☐ No	Soil observation does not expire. Pro observations by two independent pa unless site conditions have been alto	rties are sufficient,		
Compliance criteria:		requirements differ.			
For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead	Yes No	☐ Conducted soil observation(s) (Attach boring logs)			
Protection Area or not serving a food,		☐ Two previous verifications (Attach boring logs)			
beverage or lodging establishment:		☐ Not applicable (Holding tank(s), no drainfield)			
Drainfield has at least a two-foot vertical separation distance from periodically		Unable to verify (See Comments/Explanation)			
saturated soil or bedrock.		Other (See Comments/Explanation)			
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:		Comments/Explanation:			
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*					
"Experimental", "Other", or "Performance"		Indicate depths or elevations			
systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.		A. Bottom of distribution media	101.7		
2350 or 7080.2400 (Advanced Inspector License required)		B. Periodically saturated soil/bedrock	97.5		
Drainfield meets the designed vertical		C. System separation	4.2'		
separation distance from periodically saturated soil or bedrock.			0.01		
Any "no" answer above indicates to failing to protect groundwater.	he system is	 D. Required compliance separation* *May be reduced up to 15 percent if Ordinance. 	3.0' allowed by Local		
5. Operating Permit and Nitroger	BMP* – Complian	ce component #5 of 5	Not applicable		
Is the system operated under an Operating	Permit?	☐ No If "yes", A below is require	red		
Is the system required to employ a Nitrogen BMP?					
BMP = Best Management Practice(s) specified in the system design					
If the answer to both questions is "r	no", this section doe	es not need to be completed.			
Compliance criteria					
a. Operating Permit number:					
Have the Operating Permit requirement	ents been met?	Yes No			
b. Is the required nitrogen BMP in place	and properly functioning	ıg? ☐ 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.

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Logs of Soil Borings

Location of Project:

22389 Kirk Ct N Scandia, MN 55073

Borings Made by Ben Zierke

Date:

6/18/2019

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

Depth, in Inches 0 0-8" 8-24" 24-36"	Boring Number 1	Depth, in Inches 0	Boring Number 2
End of boring at Standing water tab Present at	3 feet le: feet of depth Hours after boring	End of boring at Standing water table Present at	feet le: feet of depth Hours after boring
Standing water not present in hole Mottled Soil: Observed at 2.5 feet of depth		Mottled Soil: Observed at Mottled soil not pres Comments:	feet of depth
Depth, in Inches 0	Boring Number 3	Depth, in Inches 0	Boring Number 4
Standing water tab		Standing water tabl	

Service Order #: 87680 Service Order Olson's Sewer Service, Inc. 17638 Lyons Street N.E. Forest Lake, MN 55025 651-464-2082 10/11/2018 Date: **Preferred Time:** Road Restrictions (Tons) IMPORTANT NOTE May or may not be home. Credit card on file. Addr: 22389 Kirk Court North Name: Traci Hoffe H: (651) 433-2310 City: Scandia, MN 55073 C1: (612) 940-8903 Traci Cty: Washington Twp: Driving Dir Tank Type Pre-cast PreT T1C T2 **T3** LS Treatment Type Mound System Sizes: 1000 1000 1000 Treatment Area Depth to MH: Grade C Grade 0 Grade Dist to Tank 1 200 Ft Riser Feet: LS Outlet to Bottom: Dist to Lift Tank PreT T1C T1 T2 **T3** LS Water Meter Power Disconnect at Lift Covers Secure: Y Y Effluent Filter Looped Infiltration ↑ OL: N N Two Techs # Bedrooms Infiltration J. OL: N N City Sewer N Pump Breaker Scum Depth: 6 4 Install Date **Baseline Equal Dist Hgt** Sludge Depth: 9 2 Installer Inlet Baffle Intact: Y Y 1 Y Y **Outlet Baffle Intact:** 5 2 Pump Function: As Built 3 6 Cleanout OUTSIDE ON THE WEST SIDE OF HOME Alarm Function: Filter Alarm Function: Lift Pump **Last Service** Mobilize At Site Complete Disposal Leave Disposal Service Type Date Time Time Time Time Time 1 Maintenance Pumping 7/31/2015 9:15 AM 9:50 AM 11:00 AM 2 LUG Permit 7/31/2015 Time Dosing Iron Filter S&E Quality Eq Dist Hgt 1 **Functioning** Readings **Previous** Lint Filter Sump Pump PH Reading 2 Event/Cycle Ctr Switch Tree Ejector Pump Non Dom 3 Elapsed Time Wastes **Event Counter** Mgmt Plan 4 Time Dosina Garbage Disp. Monitoring 5 TA Visual Water Meter Insp Water Softener 6 Irrigation **Dump Site Gal Pumped** CSR LD Garden Hose Chemicals Reminder 10/11/2021 Metro 2000 CBYD/Date Lift Station Last Service 8/27/2012 Total: 2000 Holding Vehicle 96 Septage Tank Commercial Service Person JB Sewage Type Disposed X Inv# 87463 Amt Billed 467.00 Payment Type CC pmt - receipt emailed Follow Up Service Order | Maintenance cleaning of septic tanks only; do lift next service. No longer flushes wipes. Will be home for payment or will call cc in. Comments Site 2006 System Comments Price Quoted \$450 + \$17 for permit

Post Comments

Service Order #: 91782 Service Order Olson's Sewer Service, Inc. 17638 Lyons Street N.E. Forest Lake, MN 55025 651-464-2082 IMPORTANT NOTE 6/18/2019 **Preferred Time:** 7:00 AM Road Restrictions (Tons) Date: Addr: 22389 Kirk Court North Name: Traci Hoffe H: (651) 433-2310 C1: (612) 940-8903 Traci City: Scandia, MN 55073 Ctv: Washington Twp: Driving Dir Tank Type Pre-cast PreT T1C **T2 T3** LS **T1** 1000 1000 1000 Treatment Type Mound System Sizes: Treatment Area Depth to MH: Grade C Grade 0 Grade Riser Feet: Dist to Tank 1 200 Ft LS Outlet to Bottom: Dist to Lift Tank T1C PreT T1 T2 **T3** LS Water Meter Power Disconnect at Lift Covers Secure: Y Effluent Filter Looped Infiltration ↑ OL: N Two Techs # Bedrooms Infiltration J OL: N City Sewer N Pump Breaker Scum Depth: 0 Install Date 2 Sludge Depth: **Baseline Equal Dist Hgt** Installer Inlet Baffle Intact: 1 **Outlet Baffle Intact:** 2 5 Pump Function: As Built 3 6 Y Alarm Function: Cleanout OUTSIDE ON THE WEST SIDE OF HOME Filter Alarm Function: Lift Pump **Last Service** Mobilize At Site Complete Disposal Leave Disposal Service Type Date Time Time Time Time Time 1 Lift Station Maintenance 8/27/2012 7:55 AM 8:20 AM 9:15 AM 2 Tank Integrity Form Eq Dist Hgt 1 Time Dosing Iron Filter S&E Quality **Functioning** Readings **Previous** PH Reading 2 Lint Filter Sump Pump Event/Cycle Ctr Switch Tree **Ejector Pump** 3 Non Dom Elapsed Time Wastes 4 **Event Counter** Mgmt Plan Time Dosing Garbage Disp. Monitoring 5 TA Visual Water Meter Insp Water Softener Irrigation 6 **Dump Site Gal Pumped** CSR NS Garden Hose Y Chemicals Reminder Metro 400 CBYD/Date Lift Station Last Service 8/27/2012 Holding Vehicle 15 Total: 400 Septage Commercial Tank JH/JP Service Person Sewage Type Disposed X Inv# 89338 Amt Billed 345.00 Payment Type send Ben 10-11-18 pumpin Follow Up Service Order Ben Zierke will meet with us first thing in the morning for a lift station pumping only, Please send paper work over to Ben for the pumping we did Comments in October of 2018 when this paper work goes over to him so he can complete his compliance inspection. Site 2006 System Comments Price Quoted \$345.00 pumping lift station only. Post 345. Comments