ZIERKE SOIL TESTING

Christine Geisbauer 9540 207th St N Forest Lake, MN 55025

5/19/2020

Dear Christine Geisbauer,

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. A copy of this report will be filed with your local unit of government for their records.

Sincerely,

Benjamin Zierke

MPCA Lic 119, Cert 9594

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): 5/19/2020	
	Dliant – Notice of Noncompliand e 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 the Tank Integrity (Compliance Component #2) – Failing to protect groundwall Other Compliance Conditions (Compliance Component #3) – Failing to protect groundwall Soil Separation (Compliance Component #4) – Failing to protect groundwall	reat to public health and safety ter rotect groundwater rater
☐ Operating permit/monitoring plan requirements (Compliance Component	#5) – Noncompliant
	#5) – Noncompliant
Operating permit/monitoring plan requirements (Compliance Component	
Property Information Property Information Parcel ID# or Sec/Twp/Rai	ge:
Property Information Property address: 9450 207th St N Forest Lake, MN 55025 Reason	ge:
Property Information Property address: 9450 207th St N Forest Lake, MN 55025 Property owner: Christine Geisbauer Owner's	ge:
Property Information Property address: 9450 207th St N Forest Lake, MN 55025 Property owner: Christine Geisbauer Owner's representative: Represe	ge: for inspection: Sale phone: 651-464-8754 ntative phone:
Property Information Property address: 9450 207th St N Forest Lake, MN 55025 Property owner: Christine Geisbauer Owner's representative: Christine Geisbauer Owner's representative: Representative: Regulatory authority: Washington County	ge: for inspection: Sale phone: 651-464-8754 Intative phone: 651-430-6655
Property Information Property address: 9450 207th St N Forest Lake, MN 55025 Property owner: Christine Geisbauer Owner's representative: Local regulatory authority: Washington County Brief system description: Pre-cast 1200 gallon septic tank, gravity rock trench drain	ge: for inspection: Sale phone: 651-464-8754 Intative phone: 651-430-6655
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Pro	perty	address: 9450 207th St N Forest	Lake, MN 55	025	Inspector initials/Date: BZ 5/19/2020
					(mm/dd/yyyy)
1.	lm	pact on Public Health – C	compliance	component	#1 of 5
		mpliance criteria:			Verification method(s):
	Sys	stem discharges sewage to the	☐ Yes ⊠	☑ No	Searched for surface outlet
		und surface.			oxtimes Searched for seeping in yard/backup in home
	Sys tile	stem discharges sewage to drain or surface waters.	☐ Yes 区	☑ No	☐ Excessive ponding in soil system/D-boxes
	Sys	stem causes sewage backup into	☐ Yes ⊠	71 No.	☐ Homeowner testimony (See Comments/Explanation)
	dwe	elling or establishment.			☐ "Black soil" above soil dispersal system☐ System requires "emergency" pumping
		y "yes" answer above indi			☐ Performed dye test
		stem is an imminent threat	to public		☐ Unable to verify (See Comments/Explanation)
		alth and safety.			☐ Other methods not listed (See Comments/Explanation)
		mments/Explanation:			
	Chr	istine has not had any issues with t	he system. N	No signs of pond	ding or seepage during site visit 5/18/2020.
_	_				
2.	l ar	nk Integrity – Compliance of	component	t #2 of 5	
	Cor	mpliance criteria:			Verification method(s):
	Syst	tem consists of a seepage pit, spool, drywell, or leaching pit.	☐ Yes ⊠] No	☐ Probed tank(s) bottom
		page pits meeting 7080.2550 may be			Examined construction records
	com	pliant if allowed in local ordinance.			Examined Tank Integrity Form (Attach)
	Sew	age tank(s) leak below their	☐ Yes ⊠	No	Observed liquid level below operating depth
		gned operating depth.			Examined empty (pumped) tanks(s)
-		es, which sewage tank(s) leaks:			☐ Probed outside tank(s) for "black soil" ☐ Unable to verify (See Comments/Explanation)
	sys	y "yes" answer above indic stem is failing to protect gr	cates the oundwate	r.	☐ Other methods not listed (See Comments/Explanation)
	Con	nments/Explanation:			
	Tank	k pumped and passed June 2019 (see attached)). Checked tanl	k 5/18/2020 and operating level was normal. Next tank
	mair	ntanance due June of 2022.			
3.	Oth	er Compliance Conditions	s – Complia	nce compone	nt #3 of 5
	a.	Maintenance hole covers are damag	ged, cracked,	unsecured, or a	appear to be structurally unsound. ☐ Yes* ☒ No ☐ Unknown
	b.	Other issues (electrical hazards, etc.) to *System is an imminent threat to	o immediately	and adversely	
		Explain:	public fleatin	i and safety.	
	,	Explain.			
	C.	System is non-protective of ground v *System is failing to protect groun	vater for other	r conditions as	determined by inspector . Yes* No
		Explain:			
		•			

Property address: 9450 207th St N Forest Lal	ke, MN 55025		Inspector initials/Date:	BZ 5/19/2020	
				(mm/dd/yyyy)	
4. Soil Separation - Compliance c	omponent #4 of 5				
Date of installation: 7/13/1978 (mm/dd/yyyy)	Unknown	Veri	fication method(s):		
Shoreland/Wellhead protection/Food beverage lodging?	☐ Yes ⊠ No	Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local			
Compliance criteria:			rements differ.	tered or local	
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	☐ Yes ☐ No	Comments/Explanation:			
systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:	mance or Wellhead food, System is located approximately 400 ft outside of Forest Lake shoreland area.				
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	☐ Yes ☐ No	Indicate depths or elevations			
or V systems built under 2008 Rules; Type IV or V systems built under 2008 Rules (7080. 2350 or 7080.2400 (Advanced Inspector License required)		A. Bo	ttom of distribution media	96.3'	
Drainfield meets the designed vertical		B. Pe	riodically saturated soil/bedrock	94.0'	
separation distance from periodically saturated soil or bedrock.		C. Sys	System separation 2.3'		
			quired compliance separation*	2.0'	
Any "no" answer above indicates the failing to protect groundwater.	he system is	*May Ordir	be reduced up to 15 percent if ance.	allowed by Local	
3 as passed groundings					
5. Operating Permit and Nitrogen		nce con	nponent #5 of 5 🛛 🖂 N	lot applicable	
Is the system operated under an Operating		□ No	If "yes", A below is requir	red	
Is the system required to employ a Nitroger		□ No	If "yes", B below is requir	red	
BMP = Best Management Practice(s) s	pecified in the system	design			
If the answer to both questions is "n	o", this section do	es not r	need to be completed.		
Compliance criteria					
Operating Permit number:					
Have the Operating Permit requirement	nts been met?		☐ Yes ☐ No		
b. Is the required nitrogen BMP in place		ng?	☐ Yes ☐ No		
Any "no" answer indicates Nonce	ompliance.				
Upgrade Requirements (Minn. Stat. § 115.55) discontinued within ten months of receipt of this riground water, the system must be upgraded, replies not failing as defined in law, and has at least twits use discontinued, notwithstanding any local on Wellhead Protection Areas, or those used in contral.	lotice or within a shorter p laced, or its use discontin o feet of design soil sepa dinance that is more stric	period if re ued within aration, the t This pro	quired by local ordinance. If the sy the time required by local ordinar on the system need not be upgrad vision does not apply to systems in	ystem is failing to protect nce. If an existing system led, repaired, replaced, or	

www.pca.state.mn.us • 651-296-6300 • 800-657-3864 • TTY 651-282-5332 or 800-657-3864 • Available in alternative formats wq-wwists4-31b • 6/4/14 Page 3 of 3

Logs of Soil Borings

Location of Project:

9540 207th St N Forest Lake, MN 55025

Borings Made by Ben Zierke

Date:

6/11/2020

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

Boring Number 1	Depth, in Inches	Boring Number 2
10YR 3/3 loamy sand		
10YR 4/4 medium sand, thin discontinuous lamellae bands (10YR 4/6) below 48", gradually thickening with redox present at 72"		
6,5 feet feet of depth Hours after boring seent in hole 6 feet of depth at in bore hole	End of boring at Standing water table: Present at Standing water not pre: Mottled Soil: Observed at Mottled soil not presen Comments:	feet of depth Hours after boring sent in hole feet of depth
Boring Number 3	Depth, in Inches	Boring Number 4
	0	
feet feet of depth Hours after boring ent in hole feet of depth in bore hole	End of boring at Standing water table: Present at Standing water not prese Mottled Soil: Observed at Mottled soil not present	feet of depth
	10YR 3/3 loamy sand 10YR 4/4 medium sand, thin discontinuous lamellae bands (10YR 4/6) below 48", gradually thickening with redox present at 72" 6,3 feet feet of depth sent in hole	Inches O 10YR 3/3 loamy sand 10YR 4/4 medium sand, thin discontinuous lamellae bands (10YR 4/6) below 48", gradually thickening with redox present at 72" 6,5 teet feet of depth sent in hole A below 48", gradually thickening with redox present at Standing water table: Present at Standing water not present of the soil: Observed at Mottled soil not present of the soil: Observed at Mottled soil not present of the soil: Observed at Standing water not present of the soil: Observed at Standing water table: Present at Standing water not



DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
GOVERNMENT CENTER
14949 62nd STREET NORTH P.O. BOX 6 STILLWATER, MN 55082-0006
Office: 651-430-6655 TTY: 651-430-6246 FAX: 651-430-6730

Subsurface Sewage Treatment System Maintenance Permit

This section must be completed in its entirety to constitute a valid maintenance permit. This permit must be completed prior to performing maintenance activities and remain on-site for the duration

Date of Maintenance	e: <u>6-17-19</u> Reason	on for Maintenance	Cout	ition of the maintenan	ce activity.
Property Address:	9540 2074 54 W	MAU	Property Owner's	Nama: /a / / - /	1 5 1 51
Municipality: Fore	st Lake ZIP:550	Proporty Id.	entification Number 5	Name: Oerald LC	nr.5 Geisb
Maintenance Permit	No: 68358 154311	Maintainer Name	entification Numbe	Γ:	And the second s
	No: 68358515474	maintainer Name a	and License No. Sm	ilie's Sewer Service/L2	428
Mainter	nance Performed	Tank Mea	surement (must b	e completed if tanks N	IOT pumped)
Tank(s) Pumped		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	Tank in		
☐ Sludge and scum	measured	Sludge Level in	Tank in	Scum Level in Tank_	in
Do tanks need to		11 0/ 61 1 6 6	/ Liquid	Level X 100	
Y_Yes \(\text{No (i)}	if no provide measurements	i) - % stadge a 30	.um18	anks must be pumped it	25% or greater
1. Access used to re	emove septage: 🗏 Mainten	ance Hole Other (enter authorization o	(abor	
2. Were all covers s	securely replaced? X Yes	Пио		· · · · · · · · · · · · · · · · · · ·	
3. Is there evidence	of tank leakage from a se	eptic, holding pret	reatment or numn	tank balow the eners	stima danth
evidence of dan	naged, cracked, or structu	rally unsound mair	itenance hole cove	ers? Tyes No	iting depth or
	Tank	Leaking Out			
	Septic/Holding Tank #1		Leaking In	Cover Damage	
	ocpaic/floiding fallk #1	☐ Yes ❤️No	☐ Yes ►No	☐ Yes ☑ No	
	Septic/Holding Tank #2	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
	Pretreatment Tank	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
	Pump Tank	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
Tank #1 1,200	s of septage were removed	_ gal Pretreatmen	t tank g	al Pump Tank	gal
5. Other information	n: List any troubleshooting	s, minor repairs co	nducted, tank safe	ety concerns, or other	concerns.
					Northwesternature seminature accuracy pupers da
6. Location of septag	ge disposal:	nd Aff	19		nnghangan inacang kanayana kanayana kana
		Smilie's Sewer	Service	2019-013	3775
		PO BOX 10		, ,	
	ı	Scandia, MN : icense# 2428 P: 6-		410 # 218	23

License# 2428 P: 651-433-3934

SECTION 13: Forms and Reference = 13-53

'arcel number:		System status: Compliant Nor as determined by this form)	nomphonic	
	Į.	as determined by the formy		
ank Integrity and Safety Cor	npliance - Compliance	e Inspection Form for Existing S	STS	
Compliance Issue #2 of 4				
Date of observation: 6/17/19	Reason for observation:	Compliance		
his form expires on (three years):				
Compliance questions/criteria: (Requi	red)	Verification Method**: (Optional) (Check the appropriate box)		
Does the system consist of a seepage pit*, cesspool, drywell, or leaching plt?	☐ Yes ☐ No	☐ Probed tank bottom	*	
Do any sewage tank(s) leak below their designed operating depth?	☐ Yes ☐ No	☐ Observed low liquid level☐ Examined construction records		
If ves, identify which	All and the state of the state	Examined empty (pumped) tank	•	
sewage tank leaks.	To B. Warn day and the state of	☐ Probed outside tank for "black s	oil"	
Any "yes" answer indicates that the system ground water.	n is railing to protect	☐ Pressure/vacuum check		
Property and the separate of		Other:		
 Seepage pits meeting 7080.2550 may be in ordinance by local permitting authority. 	сотриал и вномес			and a companion of the state of the state of
		** No standard protocol exists. This list sequential order, nor does it indicate are necessary to make this determine	which comb	stive, in inations
Safety Check				/
Are maintenance hole covers damaged	. cracked, or appeared to be str	ructurally unsound?	☐ Yes*	1 No
Were maintenance hole covers replace			Yes	□ N9*
Was secondary access restraint present			Yes	ENO,
Are other safety/health issue present?	. (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		☐ Yes*	₽ No
Explain:				
*System Is an imminent threat to pu	ıblic health and safety.			
Certification				
GET CHICACION				
This form is to be completed and attached Inspection Form for Existing Subsurfac completed by an inspector, maintainer, or 15 days. Property owner name(s):	e Sewage Treatment System service provider. Completed for	ne i incentations, interpretations, and t	of governm	nent within
This form is to be completed and attached inspection Form for Existing Subsurfac completed by an inspector, maintainer, or 15 days.	e Sewage Treatment System service provider. Completed for	ns, Observations, interpretations, and commust be submitted to the local unit	of governm	nent within
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