ZIERKE SOIL TESTING

Gary Conner 355 Marshall Ave St Paul, MN 55102

4/25/2022

Dear Gary Conner,

At your request, I have conducted a septic inspection to determine the compliance status of the Natura Farms septic 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 septic 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



Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

520 Lafayette Road North St. Paul, MN 55155-4194

Doc Type: Compliance and Enforcement

Instructions: Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf.

Property information	Local tracking	number:
Parcel ID# or Sec/Twp/Range: 3003220340001	Reason for Inspection	operating permit
Local regulatory authority info: Washington County		
Property address: 19060 Manning Trl N Marine on St Croix, M	N 55047	
Owner/representative: Gary Conner		Owner's phone: 651-329-1832
Brief system description: Pre-cast septic tank and gravity rock t	rench drainfield	
System status		
System status on date (mm/dd/yyyy): 4/25/2022		
☐ Compliant – Certificate of compliance*	☐ Noncompliant – Notice	ce of noncompliance
(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and	Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.	
abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.) *Note: Compliance indicates conformance with Minn.	An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt	
R. 7080.1500 as of system status date above and does not guarantee future performance.	under section 145A.04 subdi	rter period if required by local ordinance or ivision 8.
Reason(s) for noncompliance (check all applicate	ole)	
☐ Impact on public health (Compliance component #1) – Imminent threat to public	health and safety
☐ Tank integrity (Compliance component #2) – Failing	· -	
Other Compliance Conditions (Compliance components)	·	
Other Compliance Conditions (Compliance components)	,	
System not abandoned according to Minn. R. 7080.	,	nt #3) – Failing to protect groundwater
Soil separation (Compliance component #5) – Failin		
Operating permit/monitoring plan requirements (Cor	mpliance component #4) – <i>N</i>	oncompilant - local ordinance applies
Comments or recommendations	Door house should be sure	
Recommend replacing inspection pipes over drop boxes. future, mark inspection pipe locations with stakes so that		vered and cleaned out as well. In the
Certification		
I hereby certify that all the necessary information has been gathered future system performance has been nor can be made due to unknowinadequate maintenance, or future water usage.		
By typing my name below, I certify the above statements to be true used for the purpose of processing this form.	and correct, to the best of my	knowledge, and that this information can be
Business name: Zierke Soil Testing		Certification number: 9594
Inspector signature:	License number: 119	
(This document has been electronically sig	ned)	Phone: 651-249-1346
Necessary or locally required supporting do	cumentation (must b	pe attached)
Soil observation logs	equired forms	grity Assessment
☐ Other information (list):		

Compliance criteria:		Attached supporting documentation:	
System discharges sewage to the ground surface	☐ Yes* ☒ No	☐ Other: ☑ Not applicable	
System discharges sewage to drain tile or surface waters.	☐ Yes* ⊠ No		
System causes sewage backup into dwelling or establishment.	☐ Yes* ⊠ No		
Any "yes" answer above indicates imminent threat to public health a			
Describe verification methods and	l results:		
nk integrity – Compliance	component #2	of 5	
nk integrity – Compliance Compliance criteria:	component #2	of 5 Attached supporting documentatio	n:
Compliance criteria: System consists of a seepage pit,	e component #2		n:
Compliance criteria:	· 	Attached supporting documentatio	n: Smilies
Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? Sewage tank(s) leak below their	· 	Attached supporting documentatio ⊠ Empty tank(s) viewed by inspector	Smilies
Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	☐ Yes* ☑ No	Attached supporting documentatio ☑ Empty tank(s) viewed by inspector Name of maintenance business:	Smilies
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	roperty Address: 19060 Manning Trl N Marine on St Croix, MN 55047 usiness Name: Zierke Soil Testing	Date: 4/25/2022
3.	Other compliance conditions – Compliance component #3 of 5	
	 3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unset ☐ Yes* ☑ No ☐ Unknown 3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safet 	
	*Yes to 3a or 3b - System is an imminent threat to public health and safety.	
	3c. System is non-protective of ground water for other conditions as determined by inspector?	☐ Yes* ☒ No
	3d. System not abandoned in accordance with Minn. R. 7080.2500?	☐ Yes*
	*Yes to 3c or 3d - System is failing to protect groundwater	
	Describe verification methods and results:	
	Attached supporting documentation: ⊠ Not applicable □	
4.	Operating permit and nitrogen BMP* – Compliance component #4 o	of 5 ⊠ Not applicable
4.		_
4.	Is the system operated under an Operating Permit? ☐ Yes ☐ No	If "yes", A below is required
<u>4.</u>	Is the system operated under an Operating Permit?	If "yes", A below is required
<u>4.</u>	Is the system operated under an Operating Permit?	If "yes", A below is required If "yes", B below is required
4.	Is the system operated under an Operating Permit? Is the system required to employ a Nitrogen BMP specified in the system design? 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.	If "yes", A below is required If "yes", B below is required
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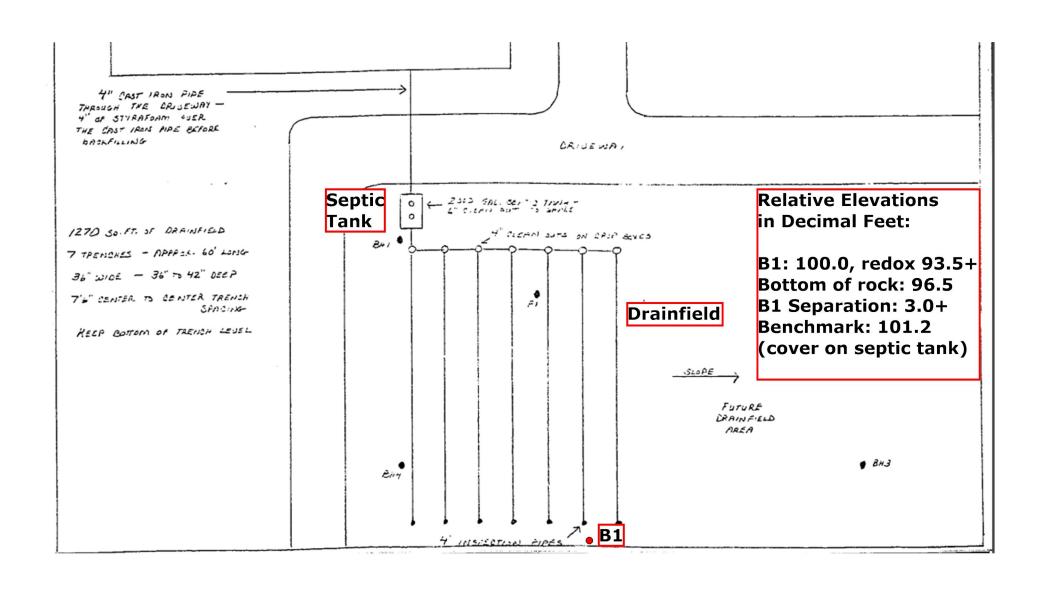
https://www.pca.state.mn.us wq-wwists4-31b • 4/28/2021

usiness Name: Zierke	Soil Testing		Date: <u>-</u>	4/25/2022
Soil separation	– Compliance cor	mponent #5 o	f 5	
Date of installation	10/16/1989 (mm/dd/yyyy)	Unknown		
Shoreland/Wellhead	protection/Food	⊠ Yes □ No	Attached supporting documentation:	
beverage lodging?		☑ Soil observation logs completed for the report☐ Two previous verifications of required vertical separatio		
Compliance criteri	teria (select one):			
not located in Shor	not serving a food,	☐ Yes ☐ No*	☐ Not applicable (No soil treatment are	a)
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.				
5b. 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: Drainfield has a three-foot vertical separation distance from periodically	⊠ Yes □ No*	Indicate depths or elevations		
		A. Bottom of distribution media	96.5'	
		B. Periodically saturated soil/bedrock	93.5'+	
		C. System separation	3.0'+	
		D. Required compliance separation*	3.0'	
saturated soil or bedrock.*			*May be reduced up to 15 percent if allowed by Local Ordinance.	
systems built unde Type IV or V syste Rules 7080. 2350 (Intermediate Inspe 2,500 gallons per d	ms built under 2008	☐ Yes ☐ No*		
Drainfield meets th separation distance saturated soil or be				

Describe verification methods and results:

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.

800-657-3864



Logs of Soil Borings

Location of Project: 19060 Manning Trl N Marine on St Croix, MN 55047

Borings Made by Ben Zierke Date: 4/25/2022

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

Depth, in Inches 0	Boring Number 1	Depth, in Inches	Boring Number 2
0-13"	10YR 3/2 loamy sand	0	
13-28"	10YR 4/3 medium sand		
28-45"	7.5YR 4/4 medium sand, 10% rock		
45-66"	10YR 5/4 medium-coarse sand, 15% rock		
66-78"	10YR 4/3, 10YR 4/4 coarse sand 20% rock		
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 feet of depth Fours after boring	End of boring at Standing water tabl Present at Standing water not pr Mottled Soil: Observed at Mottled soil not prese Comments:	feet of depth Hours after boring resent in hole feet of depth
Depth, in Inches	Boring Number 3	Depth, in Inches	Boring Number 4
0		0	
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 feet of depth feet of depth	End of boring at Standing water tabl Present at Standing water not pr Mottled Soil: Observed at Mottled soil not prese Comments:	feet of depth Hours after boring resent in hole feet of depth