

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Daniel Lorentz
46328 30th Ave
Isle, MN
56342

PROPERTY INFORMATION

Daniel & Michelle Lorentz
Location: 48039 216th Place
McGregor
Tax ID: 29-1-457100
Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 10/18/2022 - Inspection Type: ROUTINE - Correction Status: Corrections in progress

Company:
Septic Check

Work Performed By:
Michael Pederson

Submitted 10/19/2022 by:
Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

The outside outlet box for the pump next to the house should be replaced, to avoid the GFI from tripping again. I reset the outlet so the pump could operate properly and also wrapped electrical tape around the box to try to keep moisture out.

The cycle count number is the same because of the power that was tripped.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete Primary (unknown Size)

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	1
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Nayadic, Manufacturer= Consolidated Treatment Systems - Other Unknown Size Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Other

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Air filter replaced (If dirty or clogged filter needs to be replaced):	NO
Air filter on air pump cleaned:	NO
Dissolved Oxygen within normal operating range (1.5 to 3.0 mg/L) (if less than 1.5 check blower and re-check):	N/A
Field sample performance results within operational limits (Enter N/A if not performed):	N/A
30 minute settleable solids test result greater than 50% (If Yes, pumping needed):	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 350 Connected to Septic Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	0
Pumping recommended:	NO

Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	1	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	-	
Pump 1: Cycle Count (override in parentheses - if present):	495621	
Pump 2: on minutes (override in parentheses - if present):	-	
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	-	
Pump 2: Cycle Count (override in parentheses - if present):	7845	
Drainfield (disposal): Pressure Mound (40' X 18' Existing)		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	-	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

Location: 48039 216th Place
McGregor
29-1-457100

Owner: Daniel Lorentz
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 10/18/2022 Sample entered by: Heather Johnson Report submitted: 10/19/2022

Notes: No flow data as the power was tripped

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	0

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Daniel Lorentz
46328 30th Ave
Isle, MN
56342

PROPERTY INFORMATION

Location: 48039 216th Place
McGregor
Tax ID: 29-1-457100

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 05/26/2023 - Inspection Type: ROUTINE - Correction Status: Corrections in progress

Company:
Septic Check

Work Performed By:
Kyle Wade

Submitted 05/30/2023 by:
Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

Alarm light is not working, audible alarm works fine.
Grinder station down the hill by the house alarm doesn't sound, possibly an indoor alarm. Same with the drainfield dose alarm.
Outlet boxes should be up higher to keep out of the snow.
Everything else looked good.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete Primary (unknown Size)

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 Unknown Size

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Unit alarms functioning:	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
Impeller assembly removed and cleaned:	NO	
Previous signs of foaming overflow noted on Weir Plate:	NO	
Filter Socks cleaned:	YES	
Filter Socks were partially changed out:	NO	
Filter Socks were completely changed out:	NO	
Gaskets on Surge Bowl need replacing:	NO	
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO	
Pumping needed:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 350 Connected to Septic Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	

TANK: Trash Tank, Manufacturer= Unknown - Unknown

Manufacturer: Unknown Model: Unknown

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	7	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	1	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	-	
Pump 1: Cycle Count (override in parentheses - if present):	502523	
Pump 2: on minutes (override in parentheses - if present):	-	
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	-	
Pump 2: Cycle Count (override in parentheses - if present):	7846	
Drainfield (disposal): Pressure Mound (40' X 18' Existing)		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	-	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

Location: 48039 216th Place
McGregor
29-1-457100

Owner: Daniel Lorentz
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 05/26/2023 Sample entered by: Heather Johnson Report submitted: 05/30/2023

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	.2

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.



Aitkin County Environmental Services – Planning & Zoning

307 2nd Street NW, Room 219

Aitkin, MN 56431

(P) (218) 927-7342

(F) (218) 927-4375

(E) aitkinpz@co.aitkin.mn.us

July 31, 2023

Re: Operating Permit # 113

Zoning Permit # 29961

Parcel # 29-1-457100

Daniel & Michelle Lorentz
1245 Malone Park Rd
Isle, MN 56342

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above-mentioned parcel is due for renewal by September 30, 2023. The enclosed Operating Permit was issued as part of the permit for your non-standard septic system and it must be renewed.

All information listed in the application enclosed must be submitted to our office by the expiration date. Incomplete applications will be returned. We are notifying you to give you sufficient time to contact your service provider/inspector for the monitoring/maintenance activities that are required under this operating permit.

If your service provider/inspector finds the system is operating in conformance with the Operating Permit, please have them submit a letter requesting to have term of the operating permit extended for a longer period or to request terminating the operating permit. Our office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the operating permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. Failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County Subsurface Sewage Treatment System Ordinance and could result in prosecution by the County Attorney's office.

Please contact our office with any questions regarding the renewal of this operating permit and your septic system.

Sincerely,

Shannon Wiebusch
Office Assistant
Aitkin County Planning & Zoning
shannon.wiebusch@co.aitkin.mn.us
218-927-7342

Enclosure: Operating Permit Renewal Application

**Aitkin County Environmental Services
Planning & Zoning**
307 Second St. NW Room 219
Aitkin, MN 56431
218-927-7342
aitkinpz@co.aitkin.mn.us

Subsurface Sewage Treatment System Operating Permit Renewal Application

Use this application to renew an operating permit.

Operating Permit #	113	Zoning Permit #	29961		
Issuance Date:	9/30/2023	Expiration Date:	9/30/2024	Renewal Term:	ANNUALLY

Site Information					
Property ID:	29-1-457100				
Property Address:	48039 219th Pl	City:	McGregor	Zip:	55760
Service Provider or Inspector Name:	Septic Check	License #:			

Contact Information					
Permittee Name:	Daniel & Michelle Lorentz				
Mailing Address:	1245 Malone Park Rd	City:	Isle	State:	MN Zip: 56342
Email:	MichelleLorentz21@gmail.com		Phone:	612-205-3956	

Include with this completed renewal application the following items:
<input checked="" type="checkbox"/> Table of Water Usage (Flow Monitoring Report) <input checked="" type="checkbox"/> Maintenance & Monitoring Report by your Service Provider/Inspector <input checked="" type="checkbox"/> Renewal Fee: \$150 Due Date: 9/30/2023 Please make check payable to: Aitkin County <i>Notice of Late Fee: If your completed application and renewal fee are not received or postmarked by the due date, add a \$50.00 late fee.</i>

Monitoring Protocol

Any sampling and laboratory testing procedures shall be performed in accordance with the proprietary treatment product's protocol, Standard Methods, and at a Minnesota Department of Health approved laboratory. Results shall be submitted to the permitting authority at: Aitkin County Environmental Services, 307 2nd St NW, Room 219, Aitkin, MN 56431 no later than the expiration date listed.

Contingency Plan

In the event the wastewater treatment system does not meet required performance requirements as contained in this operating permit, the owner shall notify Aitkin County Environmental Services within thirty (30) days of receiving non-compliant information. The owner is responsible to obtain the services of a Minnesota Pollution Control Agency (MPCA) licensed Service Provider or other qualified inspector to complete the required corrective measures.

Authorization

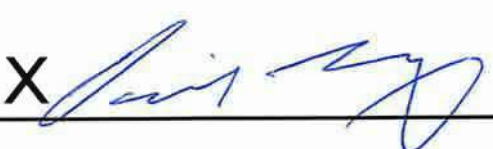
Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system at the address named above in accordance with the requirements of this operating permit, attached Management Plan and contract with the Service Provider/Inspector.

This permit is effective on the issuance date and term identified above. This permit and the authorization to treat and disperse wastewater shall expire on the expiration date identified above. The Permittee is not authorized to discharge after the above date of expiration. The Permittee shall submit monitoring and maintenance information on forms as required by Aitkin County Environmental Services prior to the above date of expiration for operating permit renewal. If not renewed within ninety (90) calendar days of the expiration date, it may be required that the system be abandoned in accordance with MN Rule 7080.2500. This permit is not transferable as to person or place.

The owner is required to obtain the services of a Minnesota Pollution Control Agency (MPCA) licensed and trained: 1) Service Provider or Inspector to provide ongoing system operation, maintenance, and monitoring and 2) Maintainer to pump the system's sewage tanks and components. The owner is responsible to provide the name of the Service Provider or Inspector business prior to the issuance of this operating permit. The owner has secured the services of **Septic Check** as the Service Provider or Inspector for this system. The Service Provider or Inspector is hereby authorized to provide the required monitoring data and routine maintenance service records to both Aitkin County Environmental Services.

[For systems that generate high strength wastewater, the following items should be added to the operating permit: "If there is a change of use within the facility (i.e., change in menu, increase in food capacity, change in water use fixtures, etc.), the permittee is required to notify Aitkin County Environmental Services and the Service Provider before any changes occurs. Changes to the facility that could potentially impact performance of the wastewater treatment and dispersal system shall not take place until appropriate evaluation has been completed."]

I hereby certify with my signature as the Permittee that I understand the provisions of the wastewater treatment and dispersal system operating permit including maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by the use of this system. If I fail to comply with the provisions of this operation permit, I understand that penalties may be issued. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the operating permit.

Permittee (please print):		Permitting Authority (please print):	P+2 / Shannon Wiebusch
Title:	owner	Title:	Office Assistant
Date:	8-29-23	Date:	9-11-23
Permittee Signature:	<input checked="" type="checkbox"/> 	Permitting Authority Signature:	<input checked="" type="checkbox"/> 
	Permittee Signature		Aitkin County Representative Signature



Invoice #58615 (09/11/2023)
 Misc. (OFFICE USE ONLY) App. # App-2023-001022, UID # 208924
 DANIEL & MICHELLE LORENTZ
 (612) 205-3956
 1245 MALONE PARK RD, ISLE, MN 56342

Aitkin County Planning & Zoning / Environmental Services
 307 Second St. NW Room 219
 Aitkin, MN 56431
 Phone: 218-927-7342
 Fax: 218-927-4372
 Email: aitkinpz@co.aitkin.mn.us

Charge	Cost	Quantity	Total	Note
Operating Permit Renewal added 09/11/2023 2:18 PM	\$150.00	x 1	\$150.00	
Grand Total			Total	\$150.00

Payment #51560

Method: Check 6589
Date: 09/11/2023 **Note:** OP 113 2023 RENEWAL

Made By: DANIEL & MICHELLE LORENTZ

Confirmed By: Shannon Wiebusch

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second Street NW Room 219

Aitkin, Minnesota 56431

Phone: (218) 927-734

Email: aitkinpz@co.aitkin.mn.us



9/11/2023

Daniel & Michelle Lorentz
1245 Malone Park Rd
Isle, MN 56342

Re: Operating Permit # 113
Zoning Permit # 29961
Parcel # 29-1-457100

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 9/30/2024 .

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Service Provider/Inspector directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,

A handwritten signature in black ink that reads "Shannon W." in a cursive style.

Aitkin County Planning & Zoning

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Daniel Lorentz
46328 30th Ave
Isle, MN
56342

PROPERTY INFORMATION

Location: 48039 216th Place
McGregor
Tax ID: 29-1-457100

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Fold
Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 10/12/2023 - Inspection Type: ROUTINE - Correction Status: No corrections made

Company:
Septic Check

Work Performed By:
Matt Maleski

Submitted 10/16/2023 by:
Heather Johnson

Fold
Here

COMMENTS & GENERAL INSPECTION NOTES

Deficiencies Noted: deficiencies must be corrected to ensure proper longevity of the Onsite Sewage System.

Alarm light is not working, audible alarm works. Grinder station down the hill by the house alarm doesn't sound, assuming it is an indoor alarm. Dose tank alarm also doesn't sound when lifted. Outlet boxes should be up higher to keep out of the elements. Multi Flo should also be pumped and pressure washed.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete Primary (unknown Size)

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 Unknown Size

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Unit alarms functioning:	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
Impeller assembly removed and cleaned:	NO	
Previous signs of foaming overflow noted on Weir Plate:	NO	
Filter Socks cleaned:	YES	
Filter Socks were partially changed out:	NO	
Filter Socks were completely changed out:	NO	
Gaskets on Surge Bowl need replacing:	NO	
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO	
Pumping needed:	YES	Deficient

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 350 Connected to Septic Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	

TANK: Trash Tank, Manufacturer= Unknown - Unknown

Manufacturer: Unknown Model: Unknown

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	1 min	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	-	
Pump 1: Cycle Count (override in parentheses - if present):	506554	
Pump 2: on minutes (override in parentheses - if present):	-	
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	-	
Pump 2: Cycle Count (override in parentheses - if present):	7848	
Drainfield (disposal): Pressure Mound (40' X 18' Existing)		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	-	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

Location: 48039 216th Place
McGregor
29-1-457100

Owner: Daniel Lorentz
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 10/12/2023 Sample entered by: Heather Johnson Report submitted: 10/16/2023

Notes: The cycle counter was checked and seems to be working

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	0.0