

Septic Check

6074 Keystone Rd
Milaca, MN 56353

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

Mail To: Water's Edge Resort
24800 147th St NW
Zimmerman, MN
55398

PROPERTY INFORMATION

Location: 27461 - 435th Ave.
Aitkin
Tax ID: 11-0-011100

Use: Commercial,
System Design Flow: 5400
GENERAL SYSTEM TYPE: Advantex 1x Yr. w/ Test

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 08/14/2024 - Inspection Type: ROUTINE - Correction Status: Corrections in progress

Company:
Septic Check

Work Performed By:
Kyle Wade

Submitted 08/21/2024 by:
Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

The recirc tank was in alarm when I arrived. The quick disconnect for pump 1 had come apart. I zip tied it together and it should be fine now. I spoke with the owner about a couple pumping recommendations.

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: Septic Tank - 1 Compartment TANK 7

Manufacturer: 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):	2	
Pumping recommended:	NO	

TANK: Septic Tank - 2 Compartment - 1,350 Gal Combo TANK 8 w/pump - South of cabin 9

Manufacturer: Local Manufacturer

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):	2	
Compartment 2 Scum accumulation (Inches, if other specify):	0	
Compartment 2 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	

Pump: Effluent Pump - Lift Pump to Surge Tank

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	

TANK: Septic Tank - 1 Compartment - 1,350 Gal Septic Tank - Tank 3 W/effluent filter HOUSE

Manufacturer: Local Manufacturer

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):	1	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment - 1,350 Gal Septic Tank - Tank 4 w/ effluent filter - SPLIT RAIL

Manufacturer: Local Manufacturer

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):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	5	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment - 1,350 Gal Septic Tank - Tank 5 W/ effluent filter - KAYAKS

Manufacturer: Local Manufacturer

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):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment - 1,350 Gal Septic Tank - Tank 6, between 8&9-w/ effluent filter

Manufacturer: Local Manufacturer

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):	2	
Compartment 1 Sludge accumulation (Inches, if other specify):	14	
Pumping recommended:	YES	

TANK: Surge Tank - 2,500 Gal Surge Tank

Manufacturer: Local Manufacturer

This component was:	Fully Inspected	
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):	2	
Pumping recommended:	NO	

Panel: Control - 2 Pumps - Surge Storage Tanks Panel

This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
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):	-	
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):	-	

Pump: Effluent Pump - Pump 1 to EQ Tank

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	

Pump: Effluent Pump - Pump 2 to EQ Tank

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	

TANK: Septic Tank - 1 Compartment - 2,500 Gal EQ Tank

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):	2	
Pumping recommended:	NO	

Panel: Control - 2 Pumps - EQ Pump Panel

This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	3 min 12 sec	
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):	111596	
Pump 1: Cycle Count (override in parentheses - if present):	43659	
Pump 2: on minutes (override in parentheses - if present):	3 min 12 sec	
Pump 2: off hours (override in parentheses - if present):	1	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	108395	
Pump 2: Cycle Count (override in parentheses - if present):	43627	

Pump: Effluent Pump - EQ Pump 1

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	

Pump: Effluent Pump - EQ Pump 2		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
TANK: Recirculation Tank - 2,500 Gal Recirc Tank		
Manufacturer: Local Manufacturer		
This component was:	Fully Inspected	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Compartment 2 Scum accumulation (Inches, if other specify):	0	
Compartment 2 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	
Panel: Control - 2 Pumps - Recirc Tank Pump Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
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):	-	
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):	-	
Pump: Effluent Pump - Recirc Pump 1		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump - Recirc Pump 2		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Media Filter: Textile Filter: Advantex AX20, Manufacturer= Orenco - Advantex AX20		
Manufacturer: Orenco Model: Advantex AX20		
This component was:	Fully Inspected	
Average squirt height (if performed) (feet, if other specify):	-	
Turbidity - NTU - (limit >15)	-	
Dissolved Oxygen - mg/L - (limit 2-6)	-	
pH (limit 6-9)	-	
Sampling results within limits:	N/A	
Recirculating Splitter Valve Functioning:	YES	
Recirculating Splitter Valve Cleaned:	YES	
Lateral lines flushed:	YES	
Bridging or Ponding on the textile sheets	NO	
Textile sheets cleaned	NO	
Pod bottom cleaned	NO	
Unit vented properly:	YES	
Biotube filter cleaned	YES	
Floats set and functioning properly:	YES	
Timer settings correct	YES	
Recirculating Pump Amps	-	
Discharge Pump Amps	-	
Recirculation ratio correct	YES	
Media Filter: Textile Filter: Advantex AX20, Manufacturer= Orenco - Advantex AX20		
Manufacturer: Orenco Model: Advantex AX20		
This component was:	Fully Inspected	
Average squirt height (if performed) (feet, if other specify):	-	
Turbidity - NTU - (limit >15)	-	
Dissolved Oxygen - mg/L - (limit 2-6)	-	
pH (limit 6-9)	-	
Sampling results within limits:	N/A	
Recirculating Splitter Valve Functioning:	YES	
Recirculating Splitter Valve Cleaned:	YES	
Lateral lines flushed:	YES	
Bridging or Ponding on the textile sheets	NO	
Textile sheets cleaned	NO	
Pod bottom cleaned	NO	
Unit vented properly:	YES	
Biotube filter cleaned	YES	
Floats set and functioning properly:	YES	
Timer settings correct	YES	
Recirculating Pump Amps	-	
Discharge Pump Amps	-	
Recirculation ratio correct	YES	

TANK: Pump Tank - 2,500 Gal Pump Tank		
Manufacturer: Local Manufacturer		
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	
Panel: Control - 2 Pumps - Drainfield Dose Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
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):	-	
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):	-	
Pump: Effluent Pump - Drainfield Dose Pump 1		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump - Drainfield Dose Pump 2		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Drainfield (disposal): Sand Lined Trench - 1,338 sq ft Trenches		
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	
TANK: Septic Tank - 2 Compartment - 1,500 Gal Septic Tank System 2 - TANK 1 (near the road)		
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):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	8	
Compartment 2 Scum accumulation (Inches, if other specify):	0	
Compartment 2 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	YES	
TANK: Septic Tank - 2 Compartment - 1,500 Gal Combo Tank w/Pump System 2 - TANK 2 (near the road)		
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):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Compartment 2 Scum accumulation (Inches, if other specify):	0	
Compartment 2 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Panel: Control - 1 Pump - System 2 Drainfield Dose Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
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):	-	
Pump: Effluent Pump - Drainfield Dose Pump System 2 - for Mound		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Media Filter: Mound - Mound System for System 2 tanks 10-12		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Ponding present? If YES explain in comments:	NO	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	-	

SAMPLING REPORT

Location: 27461 - 435th Ave.

Aitkin

11-0-011100

Owner: Water's Edge Resort

Use:

Service Company:

Septic Check

6074 Keystone Rd

Milaca, MN 56353

320-983-2447

Laboratory: A W Labs

Sample Date: 08/14/2024 Sample entered by: Heather Johnson Report submitted: 09/10/2024

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Control - 2 Pumps - Drainfield Dose Panel	Effluent	Fecal	10,000 100m	23100 -Limit Exceeded
Control - 2 Pumps - Drainfield Dose Panel	Effluent	CBOD	<20 mg/l	23.9 -Limit Exceeded
Control - 2 Pumps - Drainfield Dose Panel	Effluent	TSS	<25 mg/l	18
Control - 2 Pumps - Drainfield Dose Panel	Effluent	FOG	<30 mg/l	34.8 -Limit Exceeded
Control - 2 Pumps - EQ Pump Panel	Effluent	Flow	5400	1718.54

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.