

SEPTIC SYSTEM REVIEW FOR
Patrick O'Connor
Parcel # 52-1-038500
Operating permit #25

Property located in Waukenabo Township

September 27, 2024

The above mentioned property has a water meter installed in it. It has been averaging 31,612 gallons per year (see attached sheet). The homeowner has been there and average of 311 days per year. So at 31,612 gallons divided by 311 days = 102 gallons per day average. The Aerobic tank, pumps, alarms and time dosing panel are all operating properly. The BOD5, TSS, fecal and F.O.G have all been pulled and sent in for testing (results will be sent to the office soon)

The system is set up for 450 gallons per day so I believe that we can put this system on a 5 year operating permit.

The tanks, effluent filter, pumps, floats, alarms and control panel will still be inspected ever year.

We have entered into a Maintenance, Monitoring and Inspection Contract with said property owner.

Sincerely,



Mark P. Ritter
Ritter Sewer & Excavating, Inc.



Subsurface Sewage Treatment System Operating Permit Renewal Application

Aitkin County Environmental Services - Planning & Zoning

307 Second St. NW Room 219, Aitkin, MN 56431

Phone: 218-927-7342 Email: aitkinpz@co.aitkin.mn.us Website: co.aitkin.mn.us

This application is to renew an existing operating permit. An online renewal option is available at: mn-co-aitkin-pz.onegov.rtvision.com The operating permit may be renewed upon receipt of application, all required reporting, and payment of the permit fee. Incomplete applications will be returned.

Operating Permit #	OP 25-2019	App#	App-2024-000307	Expiration Date:	9/30/2024
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Site Information

Parcel ID:	52-1-038500				
Property Address:	49364 405th PI PALISADE, MN 56469				

Contact Information

Permittee Name:	Patrick O'Connor				
Mailing Address:	49364 405th PI	City, State, Zip:	Palisade, MN 56469		
Email:	njo pjo@gmail.com		Phone:	218 845 2308	

Service Provider

Service Provider/ Inspector Name:	Ritter Sewer and Excavating Inc	Contract:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Renewal Requirements

- Application
- Flow Readings Report
- Maintenance & Monitoring Report by your Service Provider/Inspector
- \$150 Renewal Fee Due by: **9/30/2024** Please make check payable to: Aitkin County
Notice of Late Fee: If a complete application and payment are not received or postmarked by the due date, a \$50.00 late fee will be charged.

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 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.

**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**

PERMITTEE NAME	<u>Patrick O'Connor</u>	OPERATING PERMIT#	<u>OP 25-2019</u>
MAILING ADDRESS	<u>49364 405th Pl, Palisade, MN 56469</u>	APPLICATION #	<u>App-2024-000307</u>
PROPERTY ADDRESS	<u>49364 405th Pl PALISADE, MN 56469</u>	PARCEL #	<u>52-1-038500</u>
SYSTEM TYPE	<u>Type 4</u>	DATE ISSUED	<u>2019-05-31</u>
TREATMENT LEVEL	<u>A</u>	EXPIRATION DATE	<u>2024-09-30</u>
SYSTEM DESIGN FLOW (GPD)	<u>450 gpd</u>		
RESIDENTIAL/COMMERCIAL	<u>Residential</u>		

SYSTEM COMPONENTS

Gravity feed from existing 1350 gallon combination tank into a new 1860 precast concrete septic lift tank. A nibbler Jr is to be placed in the septic end of the tank and will meter and treat liquids into the lift end of the tank. A pump placed in the lift end of the tank is to pump the liquids into a 10' x 15' NCS Polishing sand filter. The treated fluids will gravity from the polishing sand filter into a 110 concrete lift tank into a 20' x 30' Pressure Bed. The bed area will be excavated out to 30' x 50' and replaced with clean sand.

SERVICE PROVIDER Ritter Sewer and Excavating Inc

MONITORING REQUIREMENTS

Parameter	Effluent Limits	Frequency	Location
*Design Flow (gpd)	450 gpd	Monthly	Water Meter
CBOD5 (mg/L)	<220	Annually	After Sand Filter
TSS (mg/L)	<65	Annually	After Sand Filter
FO&G (mg/L)	<30	Annually	After Sand Filter
Fecal Coliform Bacteria (#/100mL)	<1,000	Annually	After Sand Filter

Good see attached

pulled

Parameter	Effluent Limits	Frequency	Location

MAINTENANCE REQUIREMENTS

System Component	Maintenance	Frequency
*Septic Tank/Trash Tank	Solids removal, water tightness	Annually <i>good ✓</i>
*Pump Tank and Controls	check components	Annually <i>good ✓</i>
*Soil Treatment and Dispersal	Check for surface discharge, Check vegetative cover	Annually, Annually <i>None ✓</i>
Advanced Treatment Product	Check Aerobic Treatment Unit, Pressurization of laterals at Sand Filter	Bi-Annually, Annually ✓

OK P.L.H. Sept. 27 2024

MONITORING PROTOCOL

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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 practitioner 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 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 information on forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the above date of expiration for operating permit renewal. This permit is not transferable.

The owner is required to obtain the services of a Minnesota Pollution Control Agency (MPCA) licensed and

tained: 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 Ritter Sewer and Excavating Inc 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.

THE OPERATING PERMIT IS HEREBY GRANTED TO:

PERMITTEE	<u>Patrick O'Connor</u>	DATE	<u>2024/02/02 02:05 PM</u>
PERMITTING AUTHORITY	<u>Shannon Wiebusch</u>	DATE	<u>2024/02/02 02:05 PM</u>

