

Subsurface Sewage Treatment System Operating Permit

PERMITTEE NAME	<u>Patrick O'Connor</u>	OPERATING PERMIT#	<u>OP 2024-82</u>
MAILING ADDRESS	<u>49364 405th Pl, Palisade, MN 56469</u>	APPLICATION #	<u>2024-001914</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>2024-09-27</u>
TREATMENT LEVEL	<u>A</u>	EXPIRATION DATE	<u>2029-09-30</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

MAINTENANCE REQUIREMENTS

System Component	Maintenance	Frequency
*Septic Tank/Trash Tank	Solids removal, water tightness	Annually
*Pump Tank and Controls	check components	Annually
*Soil Treatment and Dispersal	Check for surface discharge, Check vegetative cover	Annually, Annually
Advanced Treatment Product	Check Aerobic Treatment Unit, Pressurization of laterals at Sand Filter	Bi-Annually, Annually

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 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 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 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>2024/09/27 01:13 PM</u>
PERMITTING AUTHORITY	<u>Shannon Wiebusch</u>	DATE	<u>2024/09/27 01:14 PM</u>



Aitkin County Environmental Services - Planning & Zoning

307 2nd St. NW, Room 219

Aitkin, MN 56431

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09/27/2024

Patrick O'Connor
49364 405th PI
Palisade, MN 56469

Re: Operating Permit #OP 2024-82
2024-001914
Parcel # 52-1-038500

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 09/30/2029.

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,

Aitkin County Planning & Zoning