

# Subsurface Sewage Treatment System Operating Permit

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

<i>(Office Use Only)</i>	
Operating Permit #	
Application #	
Date issued:	
Expiration date:	
Renewal period:	

## Facility Information

*Use this form to apply for an operating permit*

Permittee name:	Patrick Ritter						
Mailing address:	34915 444th Pl.	City:	Aitkin	State:	MN	Zip:	56431
Email:	rittersewer@hotmail.com		Phone:	218-820-4719			
Property ID number:	01-0-077711						
Property address:	34915 444th Pl. Aitkin MN 56431						
System type:	Type III			Treatment level:	C		
System design flow (gpd):	450 GPD			Residential/Commercial:	Res		
System components:	Main floor gravity flow to 1500 septic and 1650 2/compartment tank, 110 gal lift tank for basement 1500 septic to a 1650 2/compartment pumped to a 10' x 38' rockbed 2 ft washed sand						

Owner to record monthly readings, or when in use. Event counter on effluent pump or Water meter on House hold use water supply

## Monitoring Requirements

Parameter	Effluent limits	Frequency	Location
Design flow (gpd)	450 GPD	Monthly reading event counter	Event Counter or Water Meter
Average flow (gpd) to be less than Design		Once a Year Reporting	Event Counter or Water Meter
CBOD <sub>5</sub> (mg/L)			
TSS (mg/L)			
FO&G (mg/L)			
Fecal Coliform bacteria (#/100mL)			
Total Nitrogen, Total Phosphorus (mg/L)			
Operational Field Tests, may include: Temperature, Dissolved Oxygen and pH			
Ponding/Surfacing in soil treatment	Not Allowed	Check area once a year	Mound or Drainfield

## Monitoring Requirements Comment Field:

Owner is responsible for recording the event counter or water meter once a month

Owner is responsible for reporting to Aitkin Co. or the Service provider once a year.

## Maintenance Requirements

Maintenance requirements shall be performed as specified in the Management Plan as prepared by the system's Designer.

<b>System component</b>	<b>Maintenance</b>	<b>Frequency</b>
External grease interceptor		
Septic tank/Trash tank	Check Levels once a year	Pump at least once every 3 years
Pump tank and controls	Check alarm once a year	Pump at least once every 3 years
Effluent screen	Check and Clean at least twice a year	Clean at least twice a year
Advanced treatment product		
UV light disinfection device		
Soil treatment and dispersal	Inspect for ponding / surfacing	Check area once a year

## 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 2<sup>nd</sup> 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 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 (Name of Service Provider) 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 (please print):	Patrick Ritec		Permitting Authority (please print):
Title:	Owner	Date: Oct 2, 20	Date:
Permittee Signature:			Permitting Authority Signature:
	Permittee Signature		Aitkin County Representative Signature

**MAINTENANCE SERVICE, MONITORING AND INSPECTION  
CONTRACT**

**FOR SUBSURFACE SEWAGE TREATMENT SYSTEM OPERATING  
PERMIT**

Aitkin Co. PID # 01-0-077711

It is hereby agreed this \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ by and between  
Brummer Septic LLC. (Inspector) and Patrick Ritter (client)  
Jeff Brummer

(Client) Name Patrick Ritter

Site Address 34915 444th Pl.

City, State, Zip Aitkin Mn 56431

That in consideration of the payments provided herein, the Inspector shall provide services to perform Preventative Maintenance, Monitoring and Inspection of the Subsurface Sewage Treatment System (SSTS) located at the property described in the Aitkin County Operating Permit.

Each inspection includes an examination of the SSTS followed by a written report to the client. This inspection report shall contain recommendations for operation and maintenance for failure-preventative measures, if any are deemed appropriate by the inspector and a list of recommended corrective measures or replacement parts. The Inspector is authorized to submit a copy of the report to the Aitkin County Environmental Services Department.

This contract does not assume any responsibilities or obligations, which are normally the responsibilities of the Client, as related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.

The Inspector can only contract or subcontract for parts or labor after authorization. Billings for service calls shall be made on a case by case basis. This contract only covers maintenance, monitoring and inspection services per current Aitkin County Operating Permit and does not cover alarm calls of any kind.

The Inspector shall be provided access to the site and the system in order to perform the following services:

**(Check the boxes needed to fill the requirements of the Operating Permit)**

**SEPTIC TANK AND LIFT STATIONS INSPECTION**

Check septic tank and compartments for solids buildup and general appearance. If necessary, have tanks pumped.  
*(\*Cost of pumping is the responsibility of the client).*

Check effluent filter for buildup and clean, if applicable.

Check pumping system, including control panel and floats.

Owner ---->  Record and date the readings of the elapsed time meter and event counter(s).

Owner is responsible for recording the event counter or water meter once a month

- Check dosing settings (in the control panel, if applicable).
- Other: \_\_\_\_\_

**PRETREATMENT DEVICE**

- Inspect pretreatment unit (aerobic tank, sand filter, etc.) per manufacturer's recommendation.
- Inspect and clean any parts per manufacturer's recommendation.
- Inspect and clean laterals, if applicable.
- Inspect the appearance of the wastewater inside the unit for color, turbidity and examination of odors.
- Sample effluent per Operating Permit monitoring requirements.  
*(\*Cost of sampling and analysis is the responsibility of the Client)*
- Other: \_\_\_\_\_

**DISPERSAL FIELD**

- Inspect for visible signs of failure (surface discharge, soggy ground, wet spots, settling, etc.)
- If liquid level monitors are installed, levels will be observed and recorded.
- Flush filters and clean cartridges, if applicable.
- Check field control unit solenoid operations or manual control, if applicable.
- Other: \_\_\_\_\_

In no event shall the Inspector be responsible for special or consequential damages, including but not limited to, loss of time, injury to personal property or any other consequential damages or incidental or economic loss due to equipment failure or for any other reason. This contract does not assume any responsibilities or obligations, which are normally, the responsibility of the Client or as, related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.

This contract shall be effective: Beginning At time of Certification of Compliance Installation  
and Ending \_\_\_\_\_,

**Cost for Maintenance Service, Monitoring and Inspection Contract is:**

\$ \_\_\_\_\_/yr. For \_\_\_\_\_ years totaling \$ \_\_\_\_\_ To be Determined at time of service

Operating Permit Maintenance Contract

Page 3 of 3

The Inspector agrees to provide inspection, monitoring and routine maintenance service only under this contract. The Client remedies for breach of this contract shall be limited to refund of any of the amounts paid in advance for service. This contract may be renewed 30 days from the ending date.

Payment for all services shall be paid At 1st inspection and every one after.

**Client:**

Sign: Patrick Ritter

Print: Patrick Ritter

Date: Oct. 2-24

**Inspector:**

Sign: Jeff Brummer *Mark P Ritter*

Print: Jeff Brummer *Mark P Ritter*

Date: 7/24/2024 *Oct. 2-24*

~~Brummer Septic LLC. 218-821-0704  
14650 Agate Ridge Rd Brainerd MN 56401  
brummerseptic@gmail.com~~

# Subsurface Sewage Treatment System Management Plan

Property Owner: Patrick Ritter Phone: 218-820-4719 Date: 7/24/2024  
Mailing Address: 34915 444th Pl. City: Aitkin MN 56431 Zip: \_\_\_\_\_  
Site Address: 34915 444th Pl. City: Aitkin MN 56431 Zip: \_\_\_\_\_

This management plan will identify the operation and maintenance activities necessary to ensure long-term performance of your septic system. Some of these activities must be performed by you, the homeowner. Other tasks must be performed by a licensed septic service provider.

System Designer: check every 12 months.  
Local Government: check every 12 months.  
State Requirement: check every 36 months.

*(State requirements are based on MN Rules Chapter 7080.2450, Subp. 2 & 3)*

**My System needs to be checked every 12 months.**

## Homeowner Management Tasks

*Leaks* – Check (look, listen) for leaks in toilets and dripping faucets. Repair leaks promptly.

*Surfacing sewage* – Regularly check for wet or spongy soil around your soil treatment area.

*Effluent filter* – *Inspect and clean twice a year or more.*

Owner ----> *Alarms* – Alarm signals when there is a problem. Contact a service provider any time an alarm signals.

Owner ----> *Event counter or water meter* – Record your water use.

-recommend meter readings be conducted (circle one: DAILY WEEKLY **MONTHLY**)



## Professional Management Tasks

- Check to make sure tank is not leaking
- Check and clean the in-tank effluent filter
- Check the sludge/scum layer levels in all septic tanks
- Recommend if tank should be pumped
- Check inlet and outlet baffles
- Check the drainfield effluent levels in the rock layer
- Check the pump and alarm system functions
- Check wiring for corrosion and function
- Check dissolved oxygen and effluent temperature in tank
- Provide homeowner with list of results and any action to be taken
- Flush and clean laterals if cleanouts exist

"I understand it is my responsibility to properly operate and maintain the sewage treatment system on this property, utilizing the Management Plan. If requirements in the Management Plan are not met, I will promptly notify the permitting authority and take necessary corrective actions. If I have a new system, I agree to adequately protect the reserve area for future use as a soil treatment system."

Property Owner Signature: Patrick Ritter Date: Oct, 2-24

Designer Signature: Jeff Brummer Date: 7/24/2024

**See Reverse Side for Management Log**

## Maintenance Log

Activity	Date Accomplished									
<b>Check frequently:</b>										
Leaks: check for plumbing leaks										
Soil treatment area check for surfacing										
Lint filter: check, clean if needed										
Effluent screen: if owner-maintained										
Water usage rate (monitor frequency _____)										
<b>Check annually:</b>										
Caps: inspect, replace if needed										
Sludge & Scum/Pump										
Inlet & Outlet baffles										
Drainfield effluent leaks										
Pump, alarm, wiring										
Flush & clean laterals if cleanouts exists										
Other: _____										
Other: _____										

**Notes:** Aitkin Co Operating Permit Required      Follow Aitkin Co. Operating permit requirements.

Check alarm at least once a year. Pump Tanks at least once every 3 years.

Mow Mound Area at least once a year to keep brush and trees from growing

No Traffic on mound area, No Snowmobiles, No ATV's, No Parking.

Mitigation/corrective action plan: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_