34753 390th Place•Aitkin, MN 56431

Phone: 218.927.4125 • 800.450.4125

rittersewer@hotmail.com •www.rittersewer.com

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

Property located in WaukenaboTownship

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.

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	Expi	ration Date:	9/30/	2024	
Site Informatio	n		(18-1 E -	n Etymu gar	w ext in	o kyzyk ilo	FG 1 1		
Parcel ID:		52-1-038500							
Property Address:		49364 405th PI PALISADE, MN 5	6469						
Contact Inform	ati	ion		Anna III	. T - 6				18.5
Permittee Name:	P	atrick O'Connor							
Mailing Address:	49	9364 405th PI		City, State, Zip:	Palisade,	alisade, MN 56469			
Email:	I	NIO PIO @ C	ima: 1	icom	Phone:	218 8	15	3	2308
Service Provide	er/	V							
Service Provider/ Inspector Name:	R	itter Sewer and Ex	cavating Inc	;	Contract:	☐ Ye	S	□ N	10
Renewal Requi	rei	ments							
□ Application									
☐ Flow Readings	Re	eport							
☐ Maintenance &	M	onitoring Report by	your Servic	ce Provider/Inspect	or				
□ \$150 Renewal Notice of Late Fee	Fe	e Due by: 9/30/2 0 a complete application a	024 Please and payment ar	make check payak re not received or postm	ole to: Aitkin parked by the d	County ue 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	Patrick O'Connor	OPERATING	OP 25-2019		
	*	PERMIT#			
MAILING ADDRESS	49364 405th PI, Palisade, MN 56469	APPLICATION #	App-2024-000307		
PROPERTY	49364 405th Pl	PARCEL#	52-1-038500		
ADDRESS	PALISADE, MN 56469	<u> </u>			
SYSTEM TYPE	Type 4	DATE ISSUED	2019-05-31		
TREATMENT LEVEL	Α	EXPIRATION DATE	2024-09-30		
SYSTEM DESIGN FLOW (GPD)	450 gpd		Œ		
RESIDENTIAL/COMME	Residential Residential	_			

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

Effluent Limits	Frequency	Location
450 gpd	Monthly	Water Meter good
<220	Annually	After Sand Filter
<65	Annually	After Sand Filter
<30	Annually	After Sand Filter
<1,000	Annually	After Sand Filter
	450 gpd <220 <65 <30	450 gpd Monthly <220 Annually <65 Annually <30 Annually

~ / pt nok P K. the Sept. 27 2024

Parameter	Effluent Limits	Frequency	Location
2.6			

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

219, Aitkin, MN 56431 no later than the expiration date listed.

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

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	Patrick O'Connor	DATE	2024/02/02 02:05 PM						
PERMITTING AUTHORITY	Shannon Wiebusch	DATE	2024/02/02 02:05 PM						

onedrive:personal:contentanywhere

METER READINGS

Pat O'Connor

49364 405th Place 56469

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dilve.personal.comemanywhere				METER READINGS				1 40 00 11100 1100 111100 100 100				Yearly	
	January	February	March	April	May	June	July	August	Septembe	October	November	December	usage
2004				3	39	853	1530	1804	2204	2585	2934	3248	3248
2005				3587	3840	4420	4877	5438	5825	6140	6487	6838	3590
2006				7199	7571	8115	8773	9335	9717	9980	10212	10468	3630
2007			10508	10755	11098	11512	12110	12509	12894	13161	13561	13790	3322
2008				14158	14543	14966	15379	15872	16245	16502	16827	17061	327
2009				17408	17750	18109	18361	19093	19493	19702	20033	20233	3172
2010				20401	21072	21390	21799	22218	22431	22736	23032	23251	3018
2011				23558	23898	24110	24360	24988	25265	25511	25759	25986	2735
2012			26040	26251	26531	26987	27368	27753	27961	28142	28493	28700	2714
2013				28980	29033	29192	30291	30606	30739	31036	31362	31580	2880
2014				31918	32207	32560	32977	33350	33640	33897	34206	34406	2826
2015				34789	34914	35255	35662	36133	36158	36685	36980	37082	2676
2016				37880	38002	38114	38378	3590	38972	39174	39382	39612	2530
2017				39781	40041	40561	40748	40923	41564	41837	42049	42264	2652
2018				42679	42954	43275	43592	44058	44341	44657	44853		2589
2019				45521	45690	45867	48384	48534	46900	47178	47749	47801	2948
2020				48248	48673	48945	49496	49702	50107	50319	50654	50929	3128
2021	51217	51502	51890	52330	52690	53038	53277	53645	53928	54140	54626	54892	3963
2022				55239	55364	55503	56930	56494	56861	54038	57553	57774	2882
2023	58012	58234	58729	58931	59173	59222	59381	59704	59893	60212	60437	60659	2885
2024	60809	608110	61253	61394	61652	62015	2246	62548					
2025								1 LAS					
2026													(
2027													
2028													(
2029													(
2030													