



Aitkin County Environmental Services – Planning & Zoning

307 2nd Street NW, Room 219

Aitkin, MN 56431

(P) (218) 927-7342

(F) (218) 927-4375

(E) aitkinpz@co.aitkin.mn.us

July 31, 2023

Re: Operating Permit # 147

Zoning Permit # 31604

Parcel # 01-0-067601

Michael & Gretchen Patnode
43492 State Hwy 210
Aitkin, MN 56431

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above-mentioned parcel is due for renewal by September 30, 2023. The enclosed Operating Permit was issued as part of the permit for your non-standard septic system and it must be renewed.

All information listed in the application enclosed must be submitted to our office by the expiration date. Incomplete applications will be returned. We are notifying you to give you sufficient time to contact your service provider/inspector for the monitoring/maintenance activities that are required under this operating permit.

If your service provider/inspector finds the system is operating in conformance with the Operating Permit, please have them submit a letter requesting to have term of the operating permit extended for a longer period or to request terminating the operating permit. Our office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the operating permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. Failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County Subsurface Sewage Treatment System Ordinance and could result in prosecution by the County Attorney's office.

Please contact our office with any questions regarding the renewal of this operating permit and your septic system.

Sincerely,

Shannon Wiebusch
Office Assistant
Aitkin County Planning & Zoning
shannon.wiebusch@co.aitkin.mn.us
218-927-7342

Enclosure: Operating Permit Renewal Application



Invoice #58835 (10/05/2023)

Misc. Receipt Permit # 2023-1019, App. # App-2023-001166, UID # 209151

AITKIN PET & FARM SUPPLY INC

(218) 927-3112

108 AIR PARK DRIVE, AITKIN, MN 56431

Aitkin County Planning & Zoning / Environmental Services

307 Second St. NW Room 219

Aitkin, MN 56431

Phone: 218-927-7342

Fax: 218-927-4372

Email: aitkinpz@co.aitkin.mn.us

Charge	Cost	Quantity	Total	Note
Operating Permit Renewal added 10/05/2023 2:11 PM	\$150.00	x 1	\$150.00	
Grand Total			Total	\$150.00

Payment #51703

Method: Check

7880

Date: 10/05/2023

Note: OP 147 2023 RENEWAL

Made By: AITKIN PET & FARM SUPPLY INC

Confirmed By: Shannon Wiebusch

SEPTIC SYSTEM REVIEW FOR
Mike Patnode
Parcel # 01-0-067601
Operating permit #147

Property located in Aitkin Township

September 28, 2023

The above mentioned property has an elapsed timer installed on it. On Sept of 2022 the meter reading was 0 hour .17 hundredths. On Sept of 2023 the meter reading was 5 hour 67 hundredths with a difference of 330 minute's. So at 50 gallon per minute x 330 minutes= 16,500 gallons divided by 365 days =45 gallons per day average. Sewage sample where pulled and sent off to the laboratory for testing (we don't have results as of yet). Once results are received we will send into county.

The system is set up for 300 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.

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

System gravity flows into a 1860 combo tank with effluent pump charging 2 -Peat Filter then draining into a 630 gal pump tank into a pressure bed.

B. PERFORMANCE STANDARD REQUIREMENTS:

During the period beginning on the effective date (issuance date) of this permit and lasting until this permit's expiration date, the Permittee is authorized to discharge from the wastewater treatment unit to subsurface dispersal. No surface discharge is permitted. The following parameters must be monitored and the results must be found within the compliance limits.

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
TSS	< 65 mg/l	Peat Filter Effluent	ANNUALLY	Grab	ANNUALLY
Total Nitrogen	< 30 mg/l	Peat Filter Effluent	ANNUALLY	Grab	ANNUALLY
BOD5	< 220 mg/l	Peat Filter Effluent	ANNUALLY	Grab	ANNUALLY
Flow	300 gal / day	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY OK ✓

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY	
Flow	Water Meter	MONTHLY	OK ✓
Inspect Effluent Filters	Peat Filter	ANNUAL	OK ✓
Pumps, Floats & Alarms	Pump Chamber	ANNUAL	OK ✓
Solids Removal & Water Tightness	Septic tank(s)	ANNUAL	OK ✓
Surface Discharge	Dispersal System	ANNUAL	none ✓
Vegetative Cover	Dispersal System	ANNUAL	good ✓

D. MONITORING AND REPORTING REQUIREMENTS:

~~Talk~~
~~Air~~
~~Toll~~ ~~for Gauge add, that~~
 1 min pump down

Patnode

June 20-2017 Mark Rth

~~999819~~
~~236.60 h~~
~~2 hours off~~
~~1 min on~~

old readings
with
bad meter

Sept. 29. 22

~~999822~~
~~5318.83 H10~~

Sept. 28. 22

~~7254.95~~
~~999822~~
 5.67 on 1:ft pump

New meter
↓

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second Street NW, Room 219

Aitkin, Minnesota 56431

PH: (218) 927-7342

FX: (218) 927-4372



10/19/2023

Re: Operating Permit #147
Zoning Permit # 31604
Parcel #01-0-067601

Michael & Gretchen Patnode
43492 State Hwy 210
Aitkin, MN 56431

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 9/30/2028 and the Operating Permit renewal period has been moved to a 5 YEAR based on the recommendation from your Operating and Maintenance provider.

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 Operation and Maintenance provider 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,

A handwritten signature in cursive script that reads "Shannon W.".

Aitkin County Planning & Zoning