

**AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING**  
**307 Second St NW Room# 219**  
**Aitkin, Minnesota 56431**

PH: (218) 927-7342  
FX: (218) 927-4372



4/6/2021

John and Susan Russell  
8019 Niagara Ln. N.  
Maple Grove, MN 55311-

Re: Operating Permit # 34  
Zoning Permit #27242  
Parcel ID#07-1-126800

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 this year by May 31st . The enclosed Operating Permit was issued as part of the permit for your septic system and must be renewed.

The Operating Permit for the current renewal period has been enclosed. If there are no changes to the Operating Permit, please submit the following to the County Office:

- 7-7-21
- the signed Operating Permit (enclosed)
  - \$150 permit renewal fee (\$200 fee after May 31st)
  - the results of performance and maintenance activities
  - a table of your water usage

We have checked all boxes above for information we have received. Please note, only complete applications will be accepted.

If your designer finds the system is operating in conformance with the Operating Permit, please have him/her submit a letter requesting to have the Operating Permit renewed 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. In addition, failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County's Subsurface Sewage Treatment System Ordinance and could be prosecuted by the County Attorney's Office.

All information required must be submitted to this Office by the expiration date referenced on your Operating Permit. We are notifying you to give you sufficient time to contact your designer and make any necessary changes, have samples taken and tested, tanks pumped, and any other activities that were required to meet the requirements of your permit.

Please contact our office with any questions regarding the renewal of this permit.

Sincerely,

Aitkin County Planning & Zoning

**AITKIN COUNTY ENVIRONMENTAL SERVICES  
OPERATING PERMIT FOR WASTEWATER  
TREATMENT AND DISPERSAL RENEWAL**

ISSUANCE DATE: 5 /31/2021  
RENEWAL PERIOD: 5 YEAR

OPERATING PERMIT # 34  
ZONING PERMIT #: 27242  
PARCEL #: 07-1-126800

PERMITTEE: John and Susan Russell

TELEPHONE: (763) 420-3683

MAILING ADDRESS:  
8019 Niagara Ln. N  
Maple Grove, MN 55311

PROPERTY ADDRESS:  
29204 442nd Pl.  
Aitkin, MN 56431

LEGAL DESCRIPTION: Point of View Lot 47

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system is valid through the renewal period identified above. The Permittee is not authorized to discharge after the renewal period. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

**I hereby certify with my signature as the permittee that I understand the provisions of this permit including the 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 use of this system and if I fail to comply with the provisions of this Operating Permit. 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 permit.**

*Susan W. Russell* *John Russell*

Signature of Permittee

Date *4/16/21*

*Shannon W.*

7/9/2021

Signature of Permitting Authority

Date

If you have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

**A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM**

This system is to gravity from the house into a 1830 combo tank. A Nibbler Jr. is to be placed in the lift end of the tank which will meter and treat the effluent from the septic tank. The treated effluent will gravity into a 110 gallon lift tank. Where it will be pumped to a 10' x 15' NCS Polishing Sand filter. The treated effluent will gravity out of the sand filter into a 600 gallon lift tank, where it will be pumped into a 20' x 35' 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 FREQUENC
Separation	1 foot	Dispersal System	At time of inspection	MEASURE IN FIELD	ANNUALLY ✓
Fecal Coliform	<1000 colonies/100ml	Tank after Nibbler Jr &	1ST 60 DAYS, ANNUALLY	Grab	ANNUALLY ✓
BOD5	< 220 mg/l	Tank after Nibbler Jr &	1ST 60 DAYS, ANNUALLY	Grab	ANNUALLY ✓
TSS	<65 mg/l	Tank after Nibbler Jr &	1ST 60 DAYS, ANNUALLY	Grab	ANNUALLY ✓
Flow	450 gpd	water meter	MONTHLY	RECORD ON LOG	ANNUALLY ✓

**C. MAINTENANCE REQUIREMENTS:**

PARAMETER	LOCATION	FREQUENCY
Aerobic Tank Function	Septic Tank	EVERY 6 MONTHS
Pressurization of Laterals	Sand Filter	ANNUAL
Pumps, Floats & Alarms	Pump Tank	ANNUAL
Pumps, Floats & Alarms	Pump Tank	ANNUAL
Solids Removal & Water Tightness	1st Tank	ANNUAL
Surface Discharge	Dispersal System	ANNUAL
Vegetative Cover	Dispersal System	ANNUAL

**D. MONITORING AND REPORTING REQUIREMENTS:**

May 3-2021  
 system checked over  
 MPR

SEPTIC SYSTEM REVIEW FOR  
John Russell  
Parcel # 07-1-126800  
Operating permit #34

Property located in Farm Island Township

July 01, 2021

The above mentioned property has a water meter installed in the home (see attached readings provided by homeowner). The BOD5, Fecal and TSS results show the system is well within it's parameters (see attached results). All pumps, blower motor and other nibbler parts are working as per specs.

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.

## Analysis Report

May 04, 2021

### REPORT TO:

Ritter Sewer & Excavating  
Mark Ritter  
34753 390th Place  
Aitkin MN 56431

### INVOICE TO:

Ritter Sewer & Excavating  
Mark Ritter  
34753 390th Place  
Aitkin MN 56431

Date Rcvd-Brnd: 4/28/2021  
Time Rcvd-Brnd: 09:59

Sampled By: Mark Ritter  
Sample Type: WW  
Recv Temp°C: 1.3 on ice

LOCATION:  
John Russell

SITE / ANALYTE	Sample Date/Time	Analyzed Value	Units	Reporting Limit	Analytical Method	Analysis Date/Time	Analyst	Code #
Lift Station	4/28/2021 @ 07:45							
Biochemical Oxygen Demand, 5 Day		< 2.00	mg/L	2	HACH 10360 REV 1.2 (2011)	4/29/21 12:11	ND	045333
Fecal Coliform		100	MPN/100mL	1	COLILERT-18 (FECAL COLI)	4/28/21 13:43	MH	045333
Residue-Nonfilterable (TSS)		5	mg/L	1	USGS I-3765-85	5/3/21 11:22	SZ	045333

Approved By:



Date Approved: 5/4/2021

Sara Ahlers, Laboratory Director

A.W. Research Laboratories, Inc. is accredited by the MNELAP and follows approved methods and procedures. MN State Laboratory ID: 027-035-135 and EPA Lab Code: MN00098. All data generated using non-accredited methods noted as -NC, and all analytes for which accreditation is unavailable -NA. The results above relate only to the samples tested. This report must not be reproduced, except in full, without the written approval of the laboratory. We appreciate your feedback, please email us at awlab@awlab.com with questions or comments. Thank you!

~End of Analysis Report~



**Russell, John and Susan**

**PARCEL # 07-1-126800**

Phone: 612-345-0629 (Sue)

Phone: 763-242-9861 (John)

**WATER MONITORING LOG**

<u>DATE</u>	<u>FLOW</u>	
05/22/16	66800	} 34 gpd
06/18/16	67720	
07/23/16	69670	
08/21/16	70670	
09/30/16	71700	
11/05/16	72230	
05/10/17	72500	} 33 gpd
06/11/17	73440	
07/16/17	75100	
08/27/17	75910	
09/30/17	76680	
05/20/18	77170	} 35 gpd
07/13/18	78030	
08/18/18	80150	
09/16/18	81200	
05/26/19	81800	} 51 gpd
06/23/19	85680	
07/21/19	87280	
08/31/19	88390	
10/20/19	89600	
11/03/19	89810	
06/13/20	90250	} 30 gpd
07/12/20	91510	
09/05/20	92320	
10/08/20	93730	
04/24/21	94050	

Invoice #53113 (07/09/2021)

2. Zoning/Land Use Permit Applications Misc. (OFFICE USE ONLY) App. # App-2021-007669, UID # 203269

John Russell

(219) 892-7734

8019 Niagra Ln N, Maple Grove, MN 55311

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 07/09/2021 11:26 AM \$150		\$150.00	x 1	\$150.00	
<b>Grand Total</b>				<b>Total</b>	<b>\$150.00</b>
<b>Payment #48293</b>					
<b>Method:</b>	Check		3027		
<b>Date:</b>	07/09/2021	<b>Note:</b>	OP 34 2021 renewal		
<b>Made By:</b>	John Russell				
<b>Confirmed By:</b>	Shannon Westerlund				

**AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING**

**307 Second Street, NW Room# 219**

**Aitkin, Minnesota 56431**

PH: (218) 927-7342

FX: (218) 927-4372



7/9/2021

John and Susan Russell  
8019 Niagara Ln. N  
Maple Grove, MN 55311

Re: Operating Permit # 34  
Zoning Permit # 27242  
Parcel # 07-1-126800

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 5/31/2026 .

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,

Aitkin County Planning & Zoning