

# ZONING PERMIT APPLICATION

239

FULL NAME Stuart Mittelsteadt TELE # 877-741-6621  
 MAIL ADDRESS 4402 336<sup>th</sup> Ln  
 CITY Aitkin STATE Mn ZIP 56431  
 911 ADDRESS OF PROPERTY Same  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 TOWNSHIP Fry Island  
 LEGAL DESCRIPTION 1-20 acs of Lot 4 in Doc 367286  
 SECTION 7 TOWNSHIP 46 RANGE 27  
 (circle) RESIDENTIAL COMMERCIAL ACCESSORY NEW BUILDING ALTERATION

**OFFICE USE ONLY**

DATE 11-18-05 APPROVE / DENY APPROVE  
 PERMIT # 33545  
 PARCEL # 07-0-014202  
 RECEIPT # 9080  
 CONFORMING SEPTIC  
 YES P# NO NEW

BUILDING CONTRACTOR AND LICENSE NUMBER: \_\_\_\_\_  
 SIZE OF ALL BUILDINGS COVERED BY THIS APPLICATION \_\_\_\_\_

*See next page for conditions*

COMMENTS: Other septic - Aerobic Pretreatment - pressurize existing

DESIGNER: O'Keefe  
 DATA FOR SEWER CONSTRUCTION: INSTALLER RTR #BEDROOMS/GPD 4 bedroom / 600

The undersigned hereby makes application for permit to construct as herein specified, agreeing to do all such work in strict accordance with the Ordinances of the County of Aitkin, Minnesota; Minnesota Individual Sewage Disposal Code Minimum Standards set forth by Minnesota Department of Health; and Shoreland Management Standards set forth by Minnesota Department of Natural Resources. Applicant agrees that plot plan, sketches and specifications submitted herewith and which are approved by the Zoning Official, shall become a part of the permit. APPLICANT FURTHER AGREES THAT NO PART OF THE SEWAGE SYSTEM SHALL BE COVERED UNTIL IT HAS BEEN INSPECTED AND ACCEPTED. It shall be the responsibility of the applicant for the permit to notify the Zoning Office (at least 24 hours in advance) that the Septic System is ready for inspection.

X [Signature]  
 SIGNATURE APPLICANT/AGENT

**DO NOT WRITE BELOW THIS LINE**

**ZONING DISTRICT & FLOOD PLAIN**

ZONING DISTRICT S/L  
 LAKE/STREAM/RIVER NAME Cedar Lake  
 LAKE/RIVER ID NUMBER 1-0209 Cedar Lake  
 LAKE/RIVER/STREAM CLASSIF. RD  
 PARCEL LOCATED IN FLOOD PLAIN? Y \_\_\_ N X  
 10/100-YR. FLOOD ELEVATION \_\_\_\_\_  
 LOWEST FLOOR ELEVATION \_\_\_\_\_  
 ELEV. CERTIFICATE REQUIRED Y \_\_\_ N X  
 BEFORE CONSTRUCTION Y \_\_\_ N  
 AFTER CONSTRUCTION Y \_\_\_ N

**STRUCTURE SETBACK DISTANCE REQUIREMENTS**

*(Measure from eaves or overhang)*  
 OHW TO LAKE/RIVER/STREAM 100  
 PROPERTY LINE SETBACK (110-ft. / 20-ft.) \_\_\_\_\_  
 SETBACK TO ROAD R-O-W (20-ft. Typ. / 50-ft. Sp., State, Fed.) \_\_\_\_\_  
 SETBACK TO BLUFF (30-ft.) \_\_\_\_\_  
**SEPTIC SYSTEM SETBACK DISTANCES**  
 SETBACK TO STRUCTURES - 10-ft. Tank 20-ft. Drainfield \_\_\_\_\_  
 OHW TO LAKE/RIVER 75  
 PROPERTY LINE SETBACK 10-ft  
 SETBACK TO ROAD R-O-W 10-ft

**\*\*ATTACH COPY OF ELEVATION CERTIFICATES\*\***

SOIL BORINGS 1 SEPTIC DESIGN Other Aerobic GARBAGE DISP/HOT TUB YES \_\_\_ NO X  
 SSF 60" DEPTH TO RESTRICTING LAYER \_\_\_\_\_  
 MIN. SIZE SEPTIC TANK 1000 MIN. SIZE PUMP TANK 600  
 DRAINFIELD: MINIMUM SQ.FT. 24x30 WITH 9 INCHES ROCK BELOW PIPE existing  
 MOUND: MINIMUM ROCK BED SQ.FT. \_\_\_\_\_ WITH 9 INCHES ROCK BELOW PIPE  
 MIN. UPSLOPE SAND WIDTH \_\_\_\_\_ MIN. DOWNSLOPE SAND WIDTH \_\_\_\_\_ END SAND WIDTHS \_\_\_\_\_  
 RECOMMENDATIONS: \_\_\_\_\_

OCT. 13. 2005 4:47PM FAX MID AMERICA MRTG BRD 12188259523

NO. 9232 P. 4/4 01

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 Oct. 5, 2005  
and Ending Dec. 31, 2006

Cost for Maintenance Service, Monitoring and Inspection Contract is:

\$ 0 /yr. For 1 years totaling \$ 0

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 0

Client:

Inspector:

Sign: Lynn Mittelsteadt

Sign: Mark P Ritter

Print: Lynn Mittelsteadt

Print: Mark P Ritter

Date: 14 Oct 05

Date: Oct. 5-2005



# ZONING PERMIT APPLICATION

(239)

FULL NAME Shant Mittelsteadt TELE # 877-741-6621  
 MAIL ADDRESS 4402 336th Ln  
 CITY ARK STATE Mn ZIP 56431  
 911 ADDRESS OF PROPERTY Same  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 TOWNSHIP Farm Island  
 LEGAL DESCRIPTION 1-20 acs of Lot 4 in Doc 367286  
 SECTION 7 TOWNSHIP 46 RANGE 27

OFFICE USE ONLY		
DATE	<u>11-18-05</u>	APPROVE / DENY
PERMIT#	<u>33545</u>	
PARCEL#	<u>07-0-014202</u>	
RECEIPT#	<u>9080</u>	
CONFORMING SEPTIC		
YES	R#	NO <b>(NEW)</b>

(circle) **RESIDENTIAL** COMMERCIAL ACCESSORY NEW BUILDING ALTERATION

BUILDING CONTRACTOR AND LICENSE NUMBER: Condition:  
 SIZE OF ALL BUILDINGS COVERED BY THIS APPLICATION: \* Must install ASAP -

COMMENTS: Other septic - septic is installed.  
Aerobic Pretreatment - pressurize existing

DESIGNER: O'Keefe  
 DATA FOR SEWER CONSTRUCTION: INSTALLER RJR #BEDROOMS/GPD 4 bedroom / 600

The undersigned hereby makes application for permit to construct as herein specified, agreeing to do all such work in strict accordance with the Ordinances of the County of Aitkin, Minnesota; Minnesota Individual Sewage Disposal Code Minimum Standards set forth by Minnesota Department of Health; and Shoreland Management Standards set forth by Minnesota Department of Natural Resources. Applicant agrees that plot plan, sketches and specifications submitted herewith and which are approved by the Zoning Official, shall become a part of the permit. **APPLICANT FURTHER AGREES THAT NO PART OF THE SEWAGE SYSTEM SHALL BE COVERED UNTIL IT HAS BEEN INSPECTED AND ACCEPTED.** It shall be the responsibility of the applicant for the permit to notify the Zoning Office (at least 24 hours in advance) that the Septic System is ready for inspection.

X [Signature]  
 SIGNATURE APPLICANT/AGENT

**DO NOT WRITE BELOW THIS LINE**

**ZONING DISTRICT & FLOOD PLAIN**  
 ZONING DISTRICT 3/L  
 LAKE/STREAM/RIVER NAME Cedar Lake  
 LAKE/RIVER ID NUMBER 1-0209 Cedar Lake  
 LAKE/RIVER/STREAM CLASSIF. RD  
 PARCEL LOCATED IN FLOOD PLAIN? Y \_\_\_ N X  
 10/100-YR. FLOOD ELEVATION \_\_\_\_\_  
 LOWEST FLOOR ELEVATION \_\_\_\_\_  
 ELEV. CERTIFICATE REQUIRED Y \_\_\_ N X  
 BEFORE CONSTRUCTION Y \_\_\_ N  
 AFTER CONSTRUCTION Y \_\_\_ N

**STRUCTURE SETBACK DISTANCE REQUIREMENTS**  
 (Measure from eaves or overhang)  
 OHW TO LAKE/RIVER/STREAM 100  
 PROPERTY LINE SETBACK (10-ft./ 20-ft.)  
 SETBACK TO ROAD R-O-W (20-ft. Twp. / 50-ft. Co., State, Fed.)  
 SETBACK TO BLUFF (30-ft.)

**SEPTIC SYSTEM SETBACK DISTANCES**  
 SETBACK TO STRUCTURES 10-ft. Tank 20-ft. Drainfield  
 OHW TO LAKE/RIVER 75  
 PROPERTY LINE SETBACK 10-ft  
 SETBACK TO ROAD R-O-W 10-ft

**\*\*ATTACH COPY OF ELEVATION CERTIFICATES\*\***  
 SOIL BORINGS 1 SEPTIC DESIGN Other Aerobic GARBAGE DISP/HOT TUB  
 SSF 60" DEPTH TO RESTRICTING LAYER \_\_\_\_\_ YES \_\_\_ NO X  
 MIN. SIZE SEPTIC TANK 1000 MIN. SIZE PUMP TANK 600  
 DRAINFIELD: MINIMUM SQ.FT. 24x30 WITH 9 INCHES ROCK BELOW PIPE existing  
 MOUND: MINIMUM ROCK BED SQ.FT. \_\_\_\_\_ WITH 9 INCHES ROCK BELOW PIPE  
 MIN. UPSLOPE SAND WIDTH \_\_\_\_\_ MIN. DOWNSLOPE SAND WIDTH \_\_\_\_\_ END SAND WIDTHS \_\_\_\_\_

RECOMMENDATIONS: \_\_\_\_\_

Check pumping system, including control panel and floats.

Record and date the readings of the elapsed time meter and cycle counter(s), if applicable.

Check dosing settings (in the control panel, if applicable).

Other: \_\_\_\_\_  
\_\_\_\_\_

**\*\*If the septic tank or lift stations need pumping to be in compliance with the operating permit the cost of the pumping is the responsibility of the Client.**

### TREATMENT DEVICE

Inspect pretreatment unit (aerobic tank, sand filter, etc.) per manufacturer's recommendations, if applicable.

Inspect and clean any parts per manufacturer's recommendations.

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: \_\_\_\_\_  
\_\_\_\_\_

RECEIVED NOV 18 2005

**AITKIN COUNTY ENVIRONMENTAL SERVICES**

**OPERATING PERMIT FOR WASTEWATER  
TREATMENT AND DISPERSAL**

**OPERATING PERMIT #:** 239

**FEE:** \$50

**PERMITTEE:** Stuartz Mittlesteadt

**PHONE:** (877) 741-6621

**ADDRESS:** 22443 Cedar Lake Drive  
Aitkin, MN 56431-

**ZONING PERMIT #** 33595

**PARCEL #:** 07-0-014202

**ISSUE DATE:** 10/27/05

**RENEW DATE:** 5/31/07

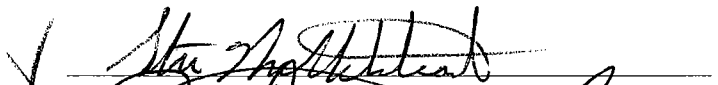
**LEGALDESCRIPTION:** 1.20 Acres of Lot 4 in Doc. 367286


Aitkin County Environmental Services authorizes the Permittee to construct, install and 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 shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. 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.**

  
\_\_\_\_\_  
**Signature of Permittee**

  
\_\_\_\_\_  
**Signature of Permitting Authority**

11-15-05  
**Date**

11-18-05  
**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**

existing seepage bed will be brought into compliance by adding pre-treatment. A multiflo aerobic treatment tank will be installed. It will gravity from the house into the 630 gal side of a new 1860 combo tank. It will be time dosed by a screened effluent pump into the multiflo and gravity to a 1200 tank and dosed into the existing bed which will be pressurized. Number of bedrooms-4 with flow of 600 gal per day. Anticipated life of system = 20-30 years with good maintenance and use. System cost approx. 410,000, Monthly operation (pump etc.) = \$10, and monitoring \$150/year

**B. PERFORMANCE STANDARD REQUIREMENTS:**

During the period beginning on the effective date (issuance date) of this permit and lasting until this permits 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
Fecal Coliform	10,000 cfu/100 ml	Aerobic Tank Effluent	ANNUALLY	Grab	ANNUALLY
Flow	600 gal per day	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY
Separation	2 feet vertical	Dispersal System	ANNUALLY	Measure in Field	ANNUALLY

**C. MAINTENANCE REQUIREMENTS:**

PARAMETER	LOCATION	FREQUENCY
Aerobic Tank Function	Aerobic Tank	ANNUAL
Flow	Water Meter	MONTHLY
Pumps, Floats & Alarms	Pump Chamber	ANNUAL
Solids Removal & Water Tightness	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	ANNUAL
Vegetative Cover	Dispersal System	ANNUAL

**MAINTENANCE SERVICE, MONITORING AND INSPECTION  
CONTRACT  
FOR INDIVIDUAL SEWAGE TREATMENT SYSTEM**

It is hereby agreed this 05 day of Oct., 2005 by and between  
Mark P. Ritter (Inspector) and Stuart & Lynn (client)

(Client) Name & Address

Stuart & Lynn Mittlesteadt

Street Address 22443 Cedar Lake Drive

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 Individual Sewage Treatment System (ISTS) located at the property described in the Aitkin County Operating Permit.

Each inspection includes an examination of the ISTS 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:

**SEPTIC TANK AND LIFT STATIONS INSPECTION**

(check the boxes needed to fill the requirements of the Operating Permit)

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.

#### **D. MONITORING AND REPORTING REQUIREMENTS:**

Monitoring results obtained during each calendar year shall be submitted no later than December 31st of that year to:

Aitkin County Environmental Services  
209 2nd Street NW  
Aitkin, MN 56431

The monitoring reports shall be signed by the Permittee. Copies are to be retained by the Permittee.

The Permittee shall notify Aitkin County Environmental Services within thirty (30) days when monitoring results do not meet the monitoring plan requirements of this permit.

Monitoring plans may be modified as necessary and reapproved by Aitkin County Environmental Services.

Sampling and laboratory testing procedures shall be performed in accordance with Standard Methods and the testing shall be performed by a Minnesota Department of Health approved laboratory. All sampling and testing costs shall be the responsibility of the Permittee.

Monitoring will be done by Mark Ritter.

#### **E. MITIGATION PLAN:**

- 1) If weeping occurs; lower dosing rate, lower water usage, or increase distribution area. Waste strength: if fecals exceed limit -reduce effluent strength, increase retention time or add disinfection.
- 2) A different or another Performance or Other System may be installed at the owner's expense.
- 3) If in the event that this system should fail and if there is no other ISTS option available, then Holding Tanks must be installed, to be pumped by a licensed Pumper with a contract.

#### **F. SPECIAL REQUIREMENTS:**

\*\*\* A WATER METER OR OTHER APPROVED WATER MEASURING DEVICE MUST BE INSTALLED AND READ ON A MONTHLY BASIS \*\*\* Please note: Failure to record monthly water use will nullify the operating permit and will result in the vacation of the system. It is the landowners responsibility to record monthly water use.



# SEPTIC INSPECTION SOIL BORING LOG

PROPERTY OWNER: Stuartz Mittelsteadt

PARCEL# 07-0-014202

04/18/2005

TYPE OF DRAINFIELD: 24' x 30' Seepage Bed

DEPTH TO BOTTOM OF ROCK = 32"

<b>PIT #1</b>		
DEPTH (inches)	TEXTURE	COLOR
0 - 20	FILL	
20 - 24	Top Soil	10YR 3/2
24 - 28	Sandy Loam	10YR 6/3
28 - 60	Clay Loam	2.5YR 4/6
60 - 84	Sand & Clay Loam Mixed MOTTLED	10YR 5/8 10YR 6/2

<b>PIT #2</b>		
DEPTH (inches)	TEXTURE	COLOR

**TOTAL SEPERATION = 28 INCHES**

# AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

209 Second Street, NW  
Aitkin, Minnesota 56431

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



October 24, 2005

RE: Septic Operating Permit #239; Zoning  
Permit # 33595; Parcel 07-0-014202

STUART A. & LYNN M. MITTELSTEADT  
4402 336TH LANE  
AITKIN MN 56431

To Whom It May Concern:

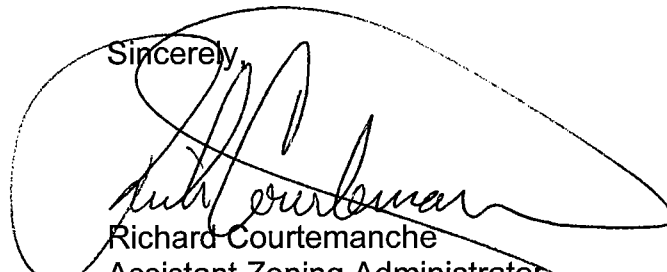
Enclosed is the Operating Permit for an "Other" Septic System (formerly Experimental, Performance, etc.) that you are petitioning Aitkin County Zoning to allow to be installed on your property instead of holding tanks. Please review this permit thoroughly and become aquatinted with all of the conditions, then sign the operating permit and return it to me with the enclosed envelope. NOTE: ALL FEES HAVE BEEN PAID THROUGH May 31, 2007.

One provision that is often overlooked by homeowners is the State of Minnesota requirement that a water meter or other flow measuring device be installed and the results recorded by the homeowner on a MONTHLY basis. The results must be recorded in gallons per month. If you are installing an event counter, please review with your installer how to record water use in GALLONS. Failure to record monthly water use will nullify the operating permit and will result in the required removal (e.g., vacation of the septic system).

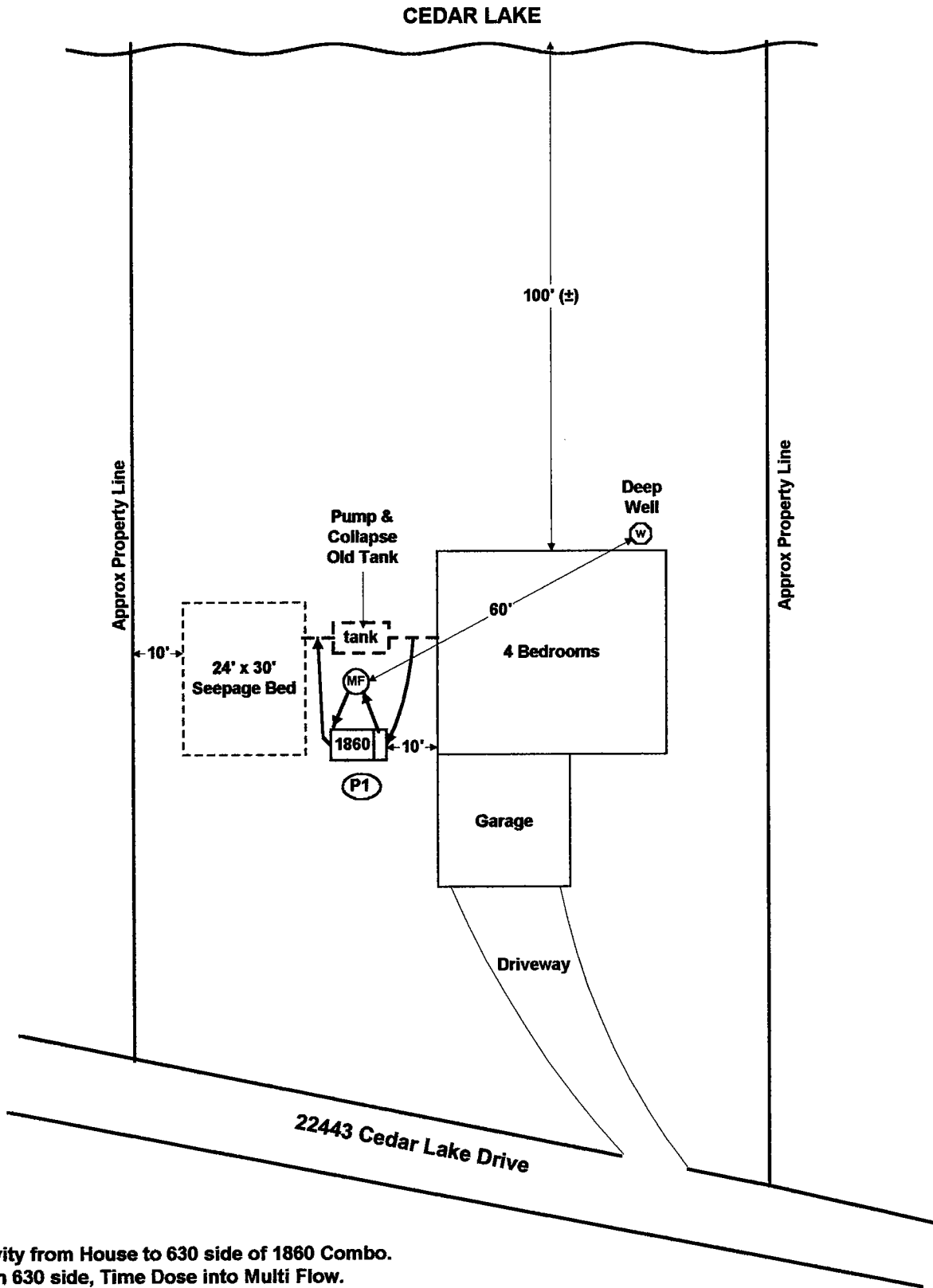
Sometime before this 2007 deadline, you will receive an annual reminder notice on how to renew your operating permit with Aitkin County. This reminder notice will ask that you provide the 1) monthly water meter readings, 2) annual Compliance Inspection report, and 3) renewal application and fee. The Compliance Inspector (CI) is privately hired by you, the landowner, and must review the septic system onsite on an annual basis while an operating permit covers the system. This annual review would be a great opportunity to review the conditions of the operating permit.

Should you have questions, please contact me at the number above or your septic designer, Mark Ritter.

Sincerely,



Richard Courtemanche  
Assistant Zoning Administrator  
Aitkin County



Gravity from House to 630 side of 1860 Combo.  
 From 630 side, Time Dose into Multi Flow.  
 Gravity from Multi Flow into 1200 side of 1860 Combo.  
 Time Dose into Existing Drainfield.  
 Existing Drainfield to be Presurized.

(PW) = Pit  
 Scale: 1" = 30'

DSPPRCL1

Display Parcel Description

10/18/05 08:18:23

Notes: No

Parcel number/Tax year: 07-0-014202

2006 Reference parcel: 00-2-070000142

Owner(s): 102454

Parcel type : RE

Hold tax stmt:

MITTELSTEADT, STUART A & LYNN M

Com district: 2 Misc1/2:

4402 336TH LANE

Escrow agent:

38 FIRST AMER REAL ESTA

AITKIN MN 56431

Mortgage hld:

UTA: Twp/City School AMBU \*\*\*\* \*\*

007 0001 00 00 00 00

Taxpayer: 102454 FALCO: 1 F.O.

TIF district: 000 000

MITTELSTEADT, STUART A & LYNN M

Lake#/name : 1-0209 CEDAR LAKE (AITKIN/F

4402 336TH LANE

Property adr: 22443 CEDAR LAKE DR

AITKIN MN 56431

AITKIN

Emergency# :

56431 -

Alternate taxpayer:

Twp/City Plt: FARM ISLAND TWP

Sec/twp/rge : 7 46.0 27 Acres: 1.20

Plat:

Description: Lot/Block . :

1.20 ACS OF LOT 4 IN DOC 367286

Press Enter to continue or enter new parcel/tax year. 07-0-014202 2006

F1=Full desc F2=Trans hist F3=Exit F6=Prcl hist F7=Backward F9=Escrow hist

F12=Cancel F14=Phy Addr F17=Dsply Note

**NOTE TO INSTALLER:**

1. Installer is to inform property owner of known supplies, contractors, and expenses required in order to make this ISTS operational -that is *not* covered in his contract.
2. Installer *must verify* all measurements and elevations on jobsite.
3. This system *must* be installed according to *current* Minnesota Chapter 7080 and Aitkin County's ISTS & Wastewater Ordinance requirements.
4. Installer is to contact Designer for questions and/or prior to making any changes to the enclosed design.

**TANKS and LINES**

1. Pump & Collapse Existing Tank.
2. Install a 1860 gallon Combination Tank.
3. Tank(s) should be water tested for cracks or leaks prior to backfilling.
4. Tank lids *must* be installed at ground level for monitoring and maintenance purposes.
5. Be sure the Sewer and Pump Lines are well supported to avoid bowing after ground settlement.
6. Install 2" "waterproof" styrofoam insulation on top of the Tank(s) and Sewer & Pump Lines to help prevent freezing problems.

**MULTI-FLO**

1. Install a Multi-Flo Aerobic Treatment Plant beside the Combination Tank.
2. Gravity from the house into the 630 gallon side of a New 1860 Combination Tank. It will then be Timed Dosed from the 630 side by a screened effluent Pump into the Multi-Flo System, and gravity flow to the 1200 side of the Tank, and Time Dosed into the Existing Drainfield.

**TIMED DOSING PANEL**

1. Control panel must be a *minimum* of 4 feet high from finished ground surface for access. (Check with owner on whether to install the panel on house or stand)
2. Pumps and Alarms *must* be on separate circuits.

# AITKIN COUNTY ENVIRONMENTAL SERVICES

## APPLICATION for an OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

PERMITTEE Stuartz & Lynn Mittlesteadt PARCEL NUMBER 07-0-014202  
ADDRESS 22443 Cedar Lake Drive CITY Aitkin STATE MN ZIP 56431  
SEC 7 TWP 46 RGE 27 BLOCK \_\_\_\_\_ LOT \_\_\_\_\_ ACRES \_\_\_\_\_  
TELEPHONE (877) 741-6621 GIS LOCATION \_\_\_\_\_  
SITE LOCATION Same, Cedar Lake, Farm Island Township

### A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM:

#### MULTI-FLOW AEROBIC TREATMENT SYSTEM TIME DOSED INTO EXISTING DRAINFIELD

This ISTS consists of an existing Seepage Bed that will be brought into separation compliance by adding pretreatment. A Multi-Flo Aerobic Treatment Plant will be installed. It will gravity from the house into the 630 gallon side of a New 1860 Combination Tank. It will then be Timed Dosed from the 630 side by a screened effluent Pump into the Multi-Flo System, and gravity flow to the 1200 side of the Tank, and Time Dosed into the Existing Drainfield. The existing Drainfield is to be Pressurized.

Number of Bedrooms 4

Flow = 600 gpd

Hydraulic Loading Rate = Soil Loading Rate

Organic Loading Rate = 0.00010 BOD/sqft

$$\text{Flow} \times \text{BOD}(\text{mg}/1) \times 8.35 \div 1,000,000 = \# \text{BOD}$$
$$(600 \times 15 \times 8.35 \div 1,000,000 = .075 \text{ BOD})$$

$$\text{System Loading} = \text{organic loading} \div \text{area} = \text{BOD}/\text{sqft}$$
$$(.075 \div 720 = 0.00010 \text{ BOD}/\text{sqft})$$

Multi-Flow Output = 5 for pretreatment worksheet

Anticipated System Life = 20 - 30 years

#### Estimated Cost of:

System Construction = \$10,000.00 (±)  
Operation = \$10.00 per month  
Monitoring, Testing & Service = \$150.00 per year

**A. M. & Associates, Inc.**

29465 442<sup>nd</sup> Lane  
Palisade, MN 56469  
(218) 768-4430

Michael D. O'Keeffe  
Annette M. O'Keeffe

Septic Systems  
Designs & Inspections  
MPCA #1357

**THE ENCLOSED INDIVIDUAL SEWAGE TREATMENT SYSTEM (ISTS)  
IS DESIGNED SPECIFICALLY FOR:**

Stuartz & Lynn Mittlesteadt  
22443 Cedar Lake Drive  
Aitkin, MN 56431  
(877) 741-6621

For property located at above address

Farm Island Township  
Sec 7, Twp 46, Rge 27

Parcel# 07-0-014202

September 12, 2005

*Reviewed  
RPC  
9-15-05*

**MULTI-FLOW AEROBIC TREATMENT SYSTEM  
TIME DOSED INTO EXISTING DRAINFIELD**

This ISTS consists of an existing Seepage Bed that will be brought into separation compliance by adding pretreatment. A Multi-Flo Aerobic Treatment Plant will be installed. It will gravity from the house into the 630 gallon side of a New 1860 Combination Tank. It will then be Timed Dosed from the 630 side by a screened effluent Pump into the Multi-Flo System, and gravity flow to the 1200 side of the Tank, and Time Dosed into the Existing Drainfield. The existing Drainfield is to be Pressurized.

**Note to Property Owner:**

Please be advised that with the installation of the enclosed designed septic system, the Property Owner(s) understands and accepts full responsibility of that which is outlined below.

The State of Minnesota has classified the attached ISTS Design as an "Other System", due to the pretreatment device used to bring the existing drainfield into separation compliance. Therefore, the Property Owner(s) accepts all responsibility and risks involved with the installation and hydraulic performance of this Septic System, and holds A.M. & Associates, Inc. harmless from all liability for this Sewage Treatment System whatsoever.

A Maintenance Service, Monitoring and Inspection Contract is required *before* Aitkin Planning & Zoning will accept an application for an Operating Permit.

**A WATER METER MUST BE INSTALLED** and the Property Owner(s) accepts the responsibility of recording water meter readings on a monthly/regular basis.

The Property Owner(s) accepts the responsibility of all costs involved for the servicing, monitoring, maintenance and mitigation of this system, that may occur.

**B. PERFORMANCE STANDARD REQUIREMENTS:**

During the period beginning on the date of the Operating Permit and lasting until the Permit's expiration date, the Permittee is authorized to discharge from the wastewater treatment unit to subsurface dispersal. No surface discharge is permitted.

The discharge from the wastewater treatment unit shall be limited by the Permittee as specified below:

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
Flow	600 gpd	Water Meter	Monthly	Record on Log Sheet	At time of Operating Permit Renewal
5-Day BOD					
Total Nitrogen					
Total Phosphorus					
TSS					
Fats, Oils, Grease (FOG)					
Fecal Coliform	Less than 10,000 cfu / 100 ml	ATU / Pump Tank	Bi-annual 1 <sup>st</sup> Year	Take Sample for Testing	Annually
Separation Distance	2 Feet	Drainfield			Annually

**C. MAINTENANCE REQUIREMENTS**

PARAMETER	LOCATION	FREQUENCY
Daily Flow	Water Meter	Monthly (record on log sheet)
Sludge & Scum Level	Septic Tank	Annually
Pump, Timers, Alarm, Floats, etc	Tanks	Annually
Pressurization of Laterals in Sand Filter (squirt test)	Multi-Flo	Semi-Annually
Overall visual of entire system for landscaping, drainage and cover material	Total System	Annually



**D. MONITORING AND REPORTING REQUIREMENTS:**

1. **Monitoring results obtained during each calendar year shall be submitted no later than December 31<sup>st</sup> of each year to:**  

**Aitkin County Environmental Services  
209 2<sup>nd</sup> St NW  
Aitkin, MN 56431**
2. **The monitoring reports shall be signed by the Permittee. Copies are to be retained for your records.**
3. **The Permittee or designated agent shall notify Aitkin County Environmental Services within thirty (30) days when monitoring results do not meet the monitoring plan requirements of the Operating Permit.**
4. **Monitoring plans may be modified as necessary and reapproved by Aitkin County Environmental Services.**
5. **Sampling and laboratory testing procedures shall be performed in accordance with Standard Methods and the testing shall be performed by a Minnesota Department of Health approved laboratory.**

**E. MITIGATION PLAN:**

1. **If weeping problems should occur; lower dosing rate, lower water usage.**
2. **Waste strength: If fecals exceed limit, reduce waste strength or change waste characteristics. If fecals continue to exceed limit, add disinfection.**
3. **If Multi-Flo experiences problems, fix or repair at recommendations of Manufacturer, or replace.**
4. **A different or another Performance or Other System may be installed at the owner's expense.**
5. **If in the event that this system should fail and if there is no other ISTS option available, then Holding Tanks must be installed, to be pumped by Licensed Pumper. A contract must be entered into with a Licensed Pumper.**

**F. SPECIAL REQUIREMENTS:**

1. MARK RITTER , a licensed ISTS firm, has agreed to perform all monitoring responsibilities, as outlined within this Operating Permit Application, for a period of \_\_\_\_\_ Year(s).

**I hereby certify with my signature as the designer, that all data for the operating permit application is true and correct to the best of my knowledge.**

MICHAEL O'KEEFFE  
(Name)

  
(Signature)

1357  
(License #)

09/12/2005  
(Date)

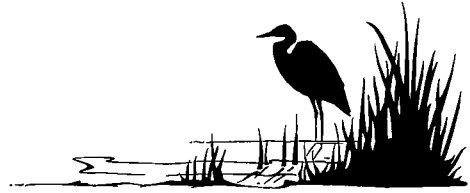
A.M. & ASSOCIATES, INC.  
(Company Name)

29465 442<sup>nd</sup> LANE PALISADE, MN 56469  
(Address)

(218) 768-4430  
(Telephone)



**Aitkin County Environmental Services  
Planning and Zoning  
209 Second Street NW Room 118  
Aitkin, MN 56431  
PH: 218-927-7342  
FAX: 218-927-4372**



October 20, 2005

MITTELSTEADT, STUART A & LYNN M  
4402 336TH LANE  
AITKIN MN 56431

Re: Parcel #07-0-014202

Legal Description: 1.20 ACS OF LOT 4 IN DOC  
367286

Dear Mr. and Mrs. Mittelsteadt:

It has come to our attention that the above referenced property may have transferred ownership without having a septic certification submitted to this Office. Our records do not show that a Compliance Inspection for the septic system was issued for this property. If our records are not accurate, please supply us with documentation so we can update our files. Please let us know if there is running water on the property.

However, if our records are accurate, the transfer of this property was in violation on Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No.1. This ordinance requires a Compliance Inspection to be done before there is a title change or transfer on a property. An ISTS Professional will be able to assist you in bringing the property into compliance. Enclosed, you will find a list of ISTS Professionals and Compliance Inspectors for your convenience.

There also was a Winter Release Form that was signed by you and the seller stating that a Compliance Inspection would be done by June 1, 2005 and if the system needed to be upgraded it would be installed by September 30, 2005. Our office has not issued a permit for the septic or received a Compliance Inspection.

**Our office will assist you in complying any way we can, but we do need to have a Compliance Inspection by November 20, 2005. This is the last deadline our office will give. Failure to comply will result in this matter being turned over to the County Attorney's Office for further assistance.** If you have any questions, please contact me at 218-927-7342.

Sincerely,

Missy Kingsley  
Aitkin County Zoning Clerk

**AITKIN COUNTY ENVIRONMENTAL SERVICES  
WINTER RELEASE OF COMPLIANCE INSPECTION FORM**

I/We George B. Briere and Joanne K. Briere, husband and wife do hereby disclose to Stuart A. Mittelstadt and Lynn M. Mittelstadt husband and wife that the on-site sewage treatment system on property for which the legal description is as on attached Exhibit A, with an address of 22443 Cedar Lake Dr, Aitkin, MN 56431 has not been inspected nor found to be in compliance with Minnesota Rules Chapter 7080 or Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1, due to restricting weather conditions making it impossible for the Inspector or Designer 1 to conduct an inspection.

Seller/Buyer hereby attests that a compliance inspection has been requested and will be conducted as soon as weather permits or by June 1, 2005, and the results of this inspection will be provided from the seller to the buyer within 30 days of receipt. If the system is determined to be in compliance, a copy of the Certificate of Compliance will be provided from the seller to the buyer within 30 days of receipt. If the system is determined to be "failing", it is hereby agreed that the upgrading of the system (Certificate of Compliance) will be completed no later than September 30, 2005 with financial responsibilities and obligations for the cost of upgrading the system apportioned to buyer and seller as follows:

*Seller will be responsible for all costs.*

Subscribed and sworn to before me this  
31 day of March 2005

Cynthia J. VanAUSDALL  
Notary

Stuart A. Mittelstadt  
(Buyer)

Joanne K. Briere  
(Buyer)

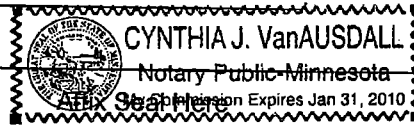


)}SS

COUNTY OF Hennepin ) )

The foregoing instrument was acknowledged this 31 day of March, 2005 before me, a notary public, by Stuart A. Mittelstead and \_\_\_\_\_

Cynthia J. VanAUSDALL  
Notary Public



Received by Aitkin County Environmental Services:

Authorized Aitkin County Employee: \_\_\_\_\_ Date: \_\_\_\_\_

**NOTE: This document confirms only that the individual sewage treatment system on the above described property meets minimum Aitkin County Standards and in no way constitutes an expressed or implied guarantee that the system will continue to function for the system's remaining effective life. This document is in addition to the mandatory disclosures that must be completed pursuant to Minnesota Statute Section 115.55, Subdivision 6.**

Subscribed and sworn to before me this

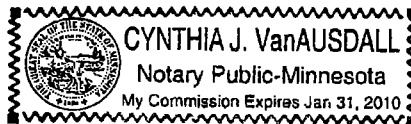
31 day of March, 2005

Stuart A. Mittelstead

(Buyer)

Cynthia J. VanAUSDALL  
Notary

James P. Mittelstead  
(Buyer)



## Exhibit A

That part of Government Lot Four (4), Section Seven (7), Township Forty-six (46), Range Twenty-seven (27), lying northerly of the following described line, except that part lying northerly of the southerly 150.00 feet, as measured at right angles to the said line:

Commencing at Meander Corner Number 70, said Section 7; thence South 1 degree 54 minutes 42 seconds East, assumed bearing, along the west line of said Section 7, a distance of 50.75 feet to the point of beginning of the line to herein be described; thence South 82 degrees 00 minutes 00 seconds East along said line.

Together with an easement for ingress and egress, lying 33.00 feet, as measured at right angles to and southeasterly of the following described line; Commencing at Meander Corner Number 70, said Section 7; thence South 1 degree 54 minutes 42 seconds East, assumed bearing, along the west line of said Section 7, a distance of 203.02 feet to the point of beginning of the line to herein be described; thence North 33 degrees 45 minutes 49 seconds East 333.12 feet to the point of termination of the line herein described. The southeasterly line of said easement is to be extended to intersect the west line of said Section 7, and the northerly boundary of the above described tract.

**WARRANTY DEED**  
Individual(s) to Joint Tenants

DEED TAX DUE: \$ 1,518.00 Date: March 30, 2005  
FOR VALUABLE CONSIDERATION, George B. Briere and Joanne K. Briere, husband and wife  
Grantor, hereby conveys and warrants to Stuart A. Mittelsteadt and Lynn M. Mittelsteadt  
Grantees, as joint tenants, real property in Aitkin County, Minnesota, described as follows:

→ See attached "Exhibit A" for legal description.

Recording Requested by & ASSURANCE - 1  
When Recorded Return To:  
US Recordings, Inc.  
2925 Country Drive Ste 201  
St. Paul, MN 55117

together with all rights, interests and appurtenances belonging thereto, subject to the following exceptions:  
reservations, restrictions and easements of record, if any.

Check box if applicable:

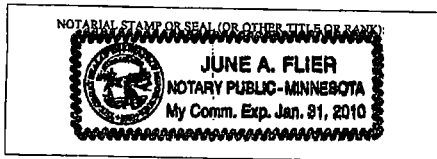
- The Seller certifies that the seller does not know of any wells on the described real property.
- A well disclosure certificate accompanies this document.
- I am familiar with the property described in this instrument and I certify that the status and number of wells on the described real property have not changed since the last previously filed well disclosure certificate.

Affix Deed Tax Stamp Here

George B. Briere  
George B. Briere  
Joanne K. Briere  
Joanne K. Briere

STATE OF MINNESOTA }  
COUNTY OF Aitkin } ss.

This instrument was acknowledged before me on March 30, 2005  
by George B. Briere and Joanne K. Briere, husband and wife



THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):  
  
Aitkin County Abstract Company  
112 3rd St. N.W.  
Aitkin, MN 56431

June A. Flier  
SIGNATURE OF NOTARY PUBLIC OR OTHER OFFICIAL

Check here if part or all of the land is Registered (Torrens)

Tax Statements for the real property described in this instrument should be sent to:

Stuart A. Mittelsteadt  
Lynn M. Mittelsteadt  
44205 336th Lane  
Aitkin, MN 56431

**WARRANTY DEED**

Individual(s) to Joint Tenants

DEED TAX DUE: \$ 1,518.00

Date: March 30, 2005

FOR VALUABLE CONSIDERATION, George B. Briere and Joanne K. Briere, husband and wife  
Grantor, hereby conveys and warrants to Stuart A. Mittelsteadt and Lynn M. Mittelsteadt  
Grantees, as joint tenants, real property in Aitkin County, Minnesota, described as follows:

→ See attached "Exhibit A" for legal description.

Recording Requested by & ASSISTANT  
When Recorded Return To:  
US Recordings, Inc.  
2925 Country Drive Ste 201

together with all other interests and appurtenances belonging thereto, subject to the following exceptions:  
reservations, restrictions and easements of record, if any.

Check box if applicable:

- The Seller certifies that the seller does not know of any wells on the described real property.
- A well disclosure certificate accompanies this document.
- I am familiar with the property described in this instrument and I certify that the status and number of wells on the described real property have not changed since the last previously filed well disclosure certificate.

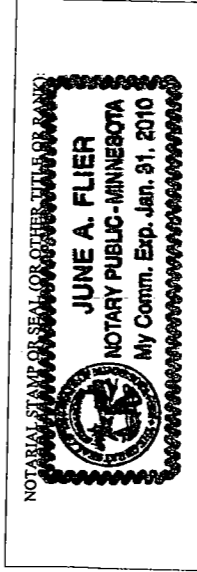
Affix Deed Tax Stamp Here

George B. Briere  
George B. Briere  
Joanne K. Briere  
Joanne K. Briere

STATE OF MINNESOTA }  
COUNTY OF Aitkin } ss.

This instrument was acknowledged before me on March 30, 2005

by George B. Briere and Joanne K. Briere, husband and wife



June A. Flier  
SIGNATURE OF NOTARY PUBLIC OR OTHER OFFICIAL

Check here if part or all of the land is Registered (Torrens)



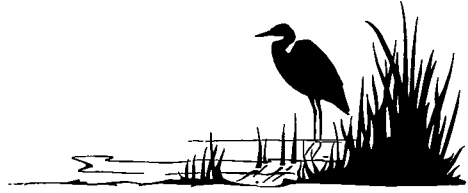
### Exhibit A

That part of Government Lot Four (4), Section Seven (7), Township Forty-six (46), Range Twenty-seven (27), lying northerly of the following described line, except that part lying northerly of the southerly 150.00 feet, as measured at right angles to the said line:

Commencing at Meander Corner Number 70, said Section 7; thence South 1 degree 54 minutes 42 seconds East, assumed bearing, along the west line of said Section 7, a distance of 50.75 feet to the point of beginning of the line to herein be described; thence South 82 degrees 00 minutes 00 seconds East along said line.

Together with an easement for ingress and egress, lying 33.00 feet, as measured at right angles to and southeasterly of the following described line; Commencing at Meander Corner Number 70, said Section 7; thence South 1 degree 54 minutes 42 seconds East, assumed bearing, along the west line of said Section 7, a distance of 203.02 feet to the point of beginning of the line to herein be described; thence North 33 degrees 45 minutes 49 seconds East 333.12 feet to the point of termination of the line herein described. The southeasterly line of said easement is to be extended to intersect the west line of said Section 7, and the northerly boundary of the above described tract.

**Aitkin County Environmental Services  
Planning and Zoning  
209 Second Street NW Room 118  
Aitkin, MN 56431  
PH: 218-927-7342  
FAX: 218-927-4372**



September 19, 2005

MITTELSTEADT, STUART A & LYNN M  
4402 336TH LANE  
AITKIN MN 56431

Re: Parcel #07-0-014202  
367286

Legal Description: 1.20 ACS OF LOT 4 IN DOC

Dear Mr. and Mrs. Mittelsteadt:

It has come to our attention that the above referenced property may have transferred ownership without having a septic certification submitted to this Office. Our records do not show that a Compliance Inspection for the septic system was issued for this property. If our records are not accurate, please supply us with documentation so we can update our files. Please let us know if there is running water on the property.

However, if our records are accurate, the transfer of this property was in violation on Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No.1. This ordinance requires a Compliance Inspection to be done before there is a title change or transfer on a property. An ISTS Professional will be able to assist you in bringing the property into compliance. Enclosed, you will find a list of ISTS Professionals and Compliance Inspectors for your convenience.

There also was a Winter Release Form that was signed by you and the seller stating that a Compliance Inspection would be done by June 1, 2005 and if the system needed to be upgraded it would be installed by September 30, 2005. Our office has not issued a permit for the septic or received a Compliance Inspection.

Our office will assist you in complying any way we can, but we do need to have a Compliance Inspection by October 20, 2005. This will give you another thirty (30) days to comply. Failure to comply will result in this matter being turned over to the County Attorney's Office for further assistance. If you have any questions, please contact me at 218-927-7342.

Sincerely,  
Missy Kingsley  
Aitkin County Zoning Clerk  
Encl.

**AITKIN COUNTY ENVIRONMENTAL SERVICES  
WINTER RELEASE OF COMPLIANCE INSPECTION FORM**

I/We George B. Briere and Joanne K. Briere, husband and wife do hereby disclose to Stuart A. Mittelstadt and Lynn M. Mittelstadt husband and wife that the on-site sewage treatment system on property for which the legal description is as on attached Exhibit A, with an address of 22443 Cedar Lake Dr, Aitkin, MN 56431 has not been inspected nor found to be in compliance with Minnesota Rules Chapter 7080 or Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1, due to restricting weather conditions making it impossible for the Inspector or Designer 1 to conduct an inspection.

Seller/Buyer hereby attests that a compliance inspection has been requested and will be conducted as soon as weather permits or by June 1, 2005, and the results of this inspection will be provided from the seller to the buyer within 30 days of receipt. If the system is determined to be in compliance, a copy of the Certificate of Compliance will be provided from the seller to the buyer within 30 days of receipt. If the system is determined to be "failing", it is hereby agreed that the upgrading of the system (Certificate of Compliance) will be completed no later than September 30, 2005 with financial responsibilities and obligations for the cost of upgrading the system apportioned to buyer and seller as follows:

*Seller will be responsible for all costs.*

Approved: \_\_\_\_\_  
(Department Representative)

George B. Briere  
(Seller)

Dated: 3/30/05

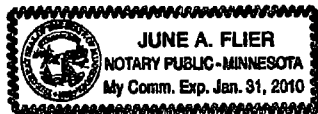
Joanne K. Briere  
(Seller)

Subscribed and sworn to before me this  
30<sup>th</sup> day of March 2005

\_\_\_\_\_  
(Buyer)

June A. Flier  
Notary

\_\_\_\_\_  
(Buyer)



DSPPRCL1

Display Parcel Description

9/19/05 13:24:37

Notes: No

Parcel number/Tax year: 07-0-014202  
Owner(s): 102454  
MITTELSTEADT, STUART A & LYNN M  
4402 336TH LANE  
AITKIN MN 56431

2006 Reference parcel: 00-2-070000142  
Parcel type : RE Hold tax stmt:  
Com district: 2 Misc1/2:  
Escrow agent: 38 FIRST AMER REAL ESTA  
Mortgage hld:  
UTA: Twp/City School AMBU \*\*\*\* \*\*  
007 0001 00 00 00 00

Taxpayer: 102454 FALCO: 1 F.O.  
MITTELSTEADT, STUART A & LYNN M  
4402 336TH LANE  
AITKIN MN 56431

TIF district: 000 000  
Lake#/name : 1-0209 CEDAR LAKE (AITKIN/F  
Property adr: 22443 CEDAR LAKE DR  
AITKIN

Alternate taxpayer:

Emergency# : 56431 -  
Twp/City Plt: FARM ISLAND TWP  
Sec/twp/rge : 7 46.0 27 Acres: 1.20  
Plat:  
Description: Lot/Block . :  
1.20 ACS OF LOT 4 IN DOC 367286

Press Enter to continue or enter new parcel/tax year. 07-0-014202 2006  
F1=Full desc F2=Trans hist F3=Exit F6=Prcl hist F7=Backward F9=Escrow hist  
F12=Cancel F14=Phy Addr F17=Dsply Note

07-0-014202

AITKIN COUNTY ENVIRONMENTAL SERVICES

TRANSFER OF PROPERTY NOTIFICATION FORM/COMPLIANCE INSPECTION POLICY

Pursuant to the Aitkin County Individual Sewage Treatment System and Wastewater Ordinance No. 1, Section 4.45.

- A. Individual sewage treatment systems that are more than 5 years old from the date of original installation must have a compliance inspection performed each time a property transfer takes place.
B. Individual sewage treatment systems that are less than 5 years old from the date of original installation and have been identified as conforming by a licensed Designer I or Inspector shall remain conforming provided that the conditions under Part II of this form are met.
C. This form must be completed as directed and filed with the Aitkin County Environmental Services Department.

Check the appropriate box for your property

- [X] The septic system on property legally described as [see attached] has a septic system more than 5 years old from the date of original installation.
[ ] The septic system on property legally described as [ ] has a septic system less than 5 years old from the date of original installation.

PART I

- A. The Aitkin County Environmental Services Department has received a septic system certificate of compliance for the property legally described as [ ] based on a Compliance Inspection conducted by [ ] MPCA License# [ ] inspection date [ ].
B. The property legally described as [ ] has a nonconforming septic system which must be brought into compliance with Aitkin County's ISTS and Wastewater Ordinance No. 1 prior to property transfer unless arrangements are made, and approved by the Aitkin County Zoning Administrator, to bring the septic system into compliance with the Ordinance.
(Check one of the following) [X] Approved Signed "Winter Release of Compliance Inspection Form" has been submitted. [ ] Approved Signed "Sworn Affidavit Form" has been submitted. [ ] Approved Signed "Agreement to Upgrade Form" has been submitted. [ ] Permit Obtained for the installation of a conforming septic system.
Received by Aitkin County Environmental Services Department: Authorized Aitkin County Employee: [ ] Date: [ ]

NOTE: Aitkin County does not express or imply any guarantee that the septic system will continue to function nor does Aitkin County accept any liability from the compliance inspection conducted above.

PART II

Conditions of B (at the top of this Document):

- 1. The existing individual sewage treatment system has not failed, surfaced effluent on the ground surface, or been modified since the last evaluation.
2. The system has been maintained on a regular basis, including septic tank inspection or pumping by a licensed septic tank pumper on intervals of no more than 3 years.
3. The number of bedrooms, water use, or number of water using appliances has not changed since the last evaluation.
4. The separation distance between the well and the septic tank and drainfield has not changed and no new well has been placed closer than the minimum separation distance required.
5. A signed, notarized copy of this form is filed with the Aitkin County Environmental Services Department.

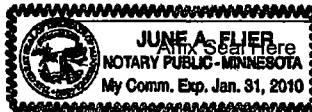
We, the undersigned, do solemnly swear that the individual sewage treatment system on the property legally described as [ ] of which title is being transferred between us meets all of the above conditions.

Buyer: [Signature] Date: 3/31/05
Seller: [Signature] Date: 3/30/05

STATE OF MINNESOTA }
}SS
COUNTY OF Aitkin } }

The foregoing instrument was acknowledged this 30th day of March, 2005 before me, a notary public, by George B. Briere and Joanne K. Briere.

[Signature] Notary Public



Received by Aitkin County Environmental Services:
Authorized Aitkin County Employee: [ ] Date: [ ]

NOTE: This document confirms only that the individual sewage treatment system on the above described property meets minimum Aitkin County Standards and in no way constitutes an expressed or implied guarantee that the system will continue to function for the system's remaining effective life. This document is in addition to the mandatory disclosures that must be completed pursuant to Minnesota Statute Section 115.55, Subdivision 6.

Transfer History

Press Enter to continue.

Transfer date/time	Parcel number	Type	Name	Changed by	End date
7/01/05 14:49:33	07-0-014202	TAX	MITTELSTEADT, STUART A & LYNN M	JAB1	0/00/00
7/01/05 14:49:33	07-0-014202	OWN	MITTELSTEADT, STUART A & LYNN M	JAB1	0/00/00
0/00/00	07-0-014202	TAX	BRIERE, GEORGE & JOANNE		
0/00/00	07-0-014202	OWN	BRIERE, GEORGE & JOANNE		

Bottom

F1=Display all history(countywide) F12=Cancel

**AITKIN COUNTY**  
**CERTIFICATE OF COMPLIANCE/NOTICE OF NONCOMPLIANCE**

This certificate of compliance/notice of noncompliance has been issued this 7th day of December, 2005 to certify compliance/noncompliance with Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No.

1. The premises covered by this certificate are legally described as: 1.20 ac of lot 4 in Doc 367286

Section 7 Township 46 Range 27 Lake Cedar

PERMIT NO. 33595 Owner Name Stuart M. Helstead

Address 22448 Cedar Lake Drive

Installer Name Pitter, Mark

Type of System Inspected multiflo tank & 1860 Jacobson comb tank & existing drainfield

The certificate of compliance/notice of noncompliance was based on, No 1 of the following:

1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.

2) Review of as-built plans submitted in accordance with Subdivision 4.21 C. Of Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1.

If the above permitted individual sewage treatment system is in noncompliance with Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1, then the following shall serve as a Notice of Violation:

1) Statement of the findings of fact through inspections or investigations: \_\_\_\_\_

2) List of specific violations of Ordinance: \_\_\_\_\_

3) Requirements for correction or removal of violations: \_\_\_\_\_

4) Time schedule for compliance: \_\_\_\_\_

Failure to correct or remove the above violations will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action which may result in revocation of licenses or registrations, fine's and/or imprisonment.

INSPECTOR SIGNATURE Becky Swede

# INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM AITKIN COUNTY, MINNESOTA

Township Farm Island Date of Inspection 12/1/05 Permit Number 33595  
 Owner Stuart Mittlesteadt Parcel Number 07-0-014202  
 Project Address 4402 336th Lane Installer Ritter  
 City Aitkin MN Zip Code 56431 New  tanks Repair

**SETBACKS:**

Buildings to tank(s) 12'  
 Buildings to drainfield \_\_\_\_\_  
 Well(s) 50' or 100' >50'  
 Lake/Creek/Wetland >100'

**SEPTIC TANKS:**

Liquid capacity 1800 Gals  
 Manufacturer & type Quoniam precast  
 Type of baffle slotted  
 Inspection pipes 1 @ 6"  
 Manholes access 1 @ 24"  
 No. & height of risers 3'

**MOUNDS:**

Percent slope \_\_\_\_\_  
 Upslope dike width \_\_\_\_\_  
 Downslope dike width \_\_\_\_\_  
 Sideslope dike width \_\_\_\_\_  
 Drainfield rock below pipe \_\_\_\_\_  
 Depth of sand below rock \_\_\_\_\_  
 Perforation size & spacing \_\_\_\_\_  
 Pipe size & spacing \_\_\_\_\_  
 Dimensions of rock bed \_\_\_\_\_  
 Dimensions of sand base \_\_\_\_\_  
 Final cover \_\_\_\_\_

**DIST. or DROP BOX & TYPE** \_\_\_\_\_

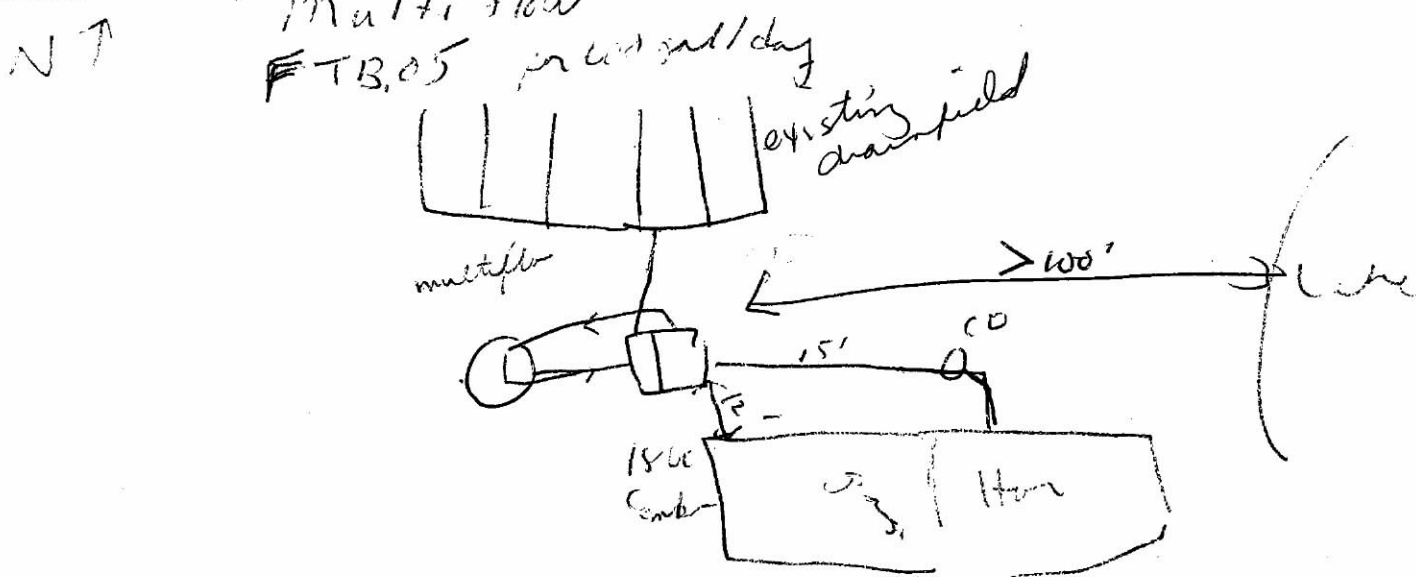
**TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:**

Trench depth \_\_\_\_\_  
 Trench length \_\_\_\_\_  
 Trench bottom width \_\_\_\_\_  
 Trench bottom level \_\_\_\_\_  
 Trench spacing \_\_\_\_\_  
 Drainfield rock below pipe \_\_\_\_\_  
 Size of gravelless pipe \_\_\_\_\_  
 Depth of backfill \_\_\_\_\_  
 Absorption area: square feet \_\_\_\_\_  
 lineal feet \_\_\_\_\_

**PUMPS:**

Tank capacity 630  
 Tank manufacturer & type Quoniam precast  
 No. & height of risers 3'  
 Pump manufacturer & model# Liberty 247-2  
 Horsepower & GPM 1/4  
 Feet of head \_\_\_\_\_  
 Cycles per day line dose on time design  
 Gallons per cycle design  
 Size of discharge line 2" into pressure line  
 Type of electrical hookup \_\_\_\_\_  
 Type & location of alarm 3 alarms  
 Cycle counter (commercial) \_\_\_\_\_

**DRAWING OF SYSTEM**



Inspector's Comments using existing drainfield - added multi flow for 1 foot of separation credit

Corrective Action Required \_\_\_\_\_

Inspector's Signature Becky Souda Installer's Signature [Signature]  
 White-County Yellow-Applicant Pink-Installer





*PH# 335915*

34753 390th Place • Aitkin, MN 56431  
Phone: 218.927.4125 • Fax: 218.927.4471  
Toll Free: 800.450.4125  
info@rittersewer.com • www.rittersewer.com

Aug 12, 2011

SEPTIC SYSTEM REVIEW FOR  
Stuart Mittlesteadt  
Operating Permit # 239  
Parcel # 07-0-014202

Property located in Farm Island Township

The above mentioned property has a event counter installed on it. On June 02, 2010 the meter reading was 797, on May 23, 2011 the meter reading was 944 with a difference of 147 events. When the pump is running it will pump out approximately 150 gallons per event. So at 147 events x 150 gallons per event 22,050 gallons were pump out in 356 days with a average of 62 gallons per day. The system is set up for 600 gallons per day so I believe that we can put this system on a 3 year operating permit. The tanks, effluent filters, pumps, floats, alarms and control panel should still be inspected every 1 year. We have entered into a Maintenance, Monitoring and Inspection Contract with said property owner.

Ritter Sewer & Excavating Inc

Mark P. Ritter  
ISTS # 1672

*9-7-11  
per Pete ok to  
Renew every 3yrs.  
-Noted in Access*

*1 of 3*

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

existing seepage bed will be brought into compliance by adding pre-treatment. A multiflo aerobic treatment tank will be installed. It will gravity from the house into the 630 gal side of a new 1860 combo tank. It will be time dosed by a screened effluent pump into the multiflo and gravity to a 1200 tank and dosed into the existing bed which will be pressurized. Number of bedrooms-4 with flow of 600 gal per day. Anticipated life of system = 20-30 years with good maintenance and use. System cost approx. 410,000, Monthly operation (pump etc.) = \$10, and monitoring \$150/year

**B. PERFORMANCE STANDARD REQUIREMENTS:**

During the period beginning on the effective date (issuance date) of this permit and lasting until this permits 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
Fecal Coliform	10,000 cfu/100 ml	Aerobic Tank Effluent	ANNUALLY	Grab	ANNUALLY
Flow	600 gal per day	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY
Separation	2 feet vertical	Dispersal System	ANNUALLY	Measure in Field	ANNUALLY

✓ see attached  
✓

**C. MAINTENANCE REQUIREMENTS:**

PARAMETER	LOCATION	FREQUENCY
Aerobic Tank Function	Aerobic Tank	ANNUAL
Flow	Water Meter	MONTHLY
Pumps, Floats & Alarms	Pump Chamber	ANNUAL
Solids Removal & Water Tightness	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	ANNUAL
Vegetative Cover	Dispersal System	ANNUAL

good ✓  
✓  
✓  
None ✓  
good ✓

System seems to be operating properly, I believe you can write the operating permit for 3 years instead of 1 year. Owner has entered into a maintenance contract on system to be cleaned 2 times per year.

Aug 12. 2011

Thank Mark Ritter

2 of 3



Mittelstadt  
22443 Cedar Ln  
Dixkin Minn 56411

6/23/07 321  
7/29/07 364  
8/30/07 389  
9/21/07 417  
10/24/07 439  
11/24/07 456  
12/31/07 475

O.P. #239  
33595 Permet

1/25/08 493  
2/26/08 512  
3/28/08 518  
4/27/08 529  
5/31/08 551  
10-5-08 572

event center on dosing  
pump at 150 gal. per count

cleaned multi-flow locked good

1223 Oak Street Brainerd, Minnesota 56401  
PHONE 218/829-7790 FAX 218/829-0977  
www.lakesprinting.com lakesprt@lakesprinting.com

7-3-09 Meter 661 # Serviced  
6-2-10 Meter 797 # serviced  
5-23-11 Meter 944 # serviced  
8-1-11 Meter 970 # checked

AITKIN COUNTY ENVIRONMENTAL SERVICES

OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

OPERATING PERMIT #: 239

FEE: 100

PERMITTEE: Stuart Mittlesteadt

PHONE: (877) 741-6624

ADDRESS: 22443 Cedar Lake Drive  
Aitkin, MN 56431-

218-820-6621

ZONING PERMIT # 33595

PARCEL #: 07-0-014202

ISSUE DATE: 6/30/2011

RENEW DATE: 5/31/2012

LEGALDESCRIPTION: 1.20 Acres of Lot 4 in Doc. 367286

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 shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. 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.

  
Signature of Permittee

8/29/11  
Date

  
Signature of Permitting Authority

9-19-11  
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.

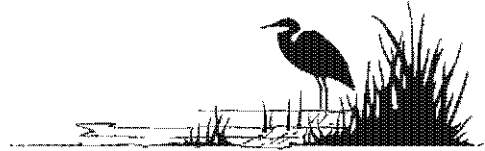
OK 699 dated 9/11/11 Receipt # 169845 KK

Renew 3 yrs.

# AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

209 Second Street, NW  
Aitkin, Minnesota 56431

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



September 19, 2011

RE: Renewed Operating Permit

To Stuart Mittlesteadt:

This letter is to inform you that your Operating Permit (No. 239) has been renewed until May 31, 2014.

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 and  
Environmental Services

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

ISSUANCE DATE: 5/31/2014  
RENEWAL PERIOD: 3 YEAR

OPERATING PERMIT #: 239  
ZONING PERMIT #: 33595  
PARCEL #: 07-0-014202

PERMITTEE: Stuart Mittlesteadt

TELEPHONE: (218) 820-6621

MAILING ADDRESS:  
22443 Cedar Lake Drive  
Aitkin, MN 56431-

PROPERTY ADDRESS:  
22443 Cedar Lake Dr.  
Aitkin, MN 56431


LEGAL DESCRIPTION: 1.20 Acres of Lot 4 in Doc. 367286

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.**

  
Signature of Permittee

5/8/14  
Date

  
Signature of Permitting Authority

3-26-15  
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.

Date: 6/5/14 CK# 877 Receipt# 199277 Amount: \$100.00

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

existing seepage bed will be brought into compliance by adding pre-treatment. A multiflo aerobic treatment tank will be installed. It will gravity from the house into the 630 gal side of a new 1860 combo tank. It will be time dosed by a screened effluent pump into the multiflo and gravity to a 1200 tank and dosed into the existing bed which will be pressurized. Number of bedrooms-4 with flow of 600 gal per day. Anticipated life of system = 20-30 years with good maintenance and use. System cost approx. 410,000, Monthly operation (pump etc.) = \$10, and monitoring \$150/year

**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	2 feet vertical	Dispersal System	ANNUALLY	Measure in Field	ANNUALLY OK ✓
Fecal Coliform	10,000 cfu/100 ml	Aerobic Tank Effluent	ANNUALLY	Grab	ANNUALLY 5 year
Flow	600 gal per day	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY OK ✓

**C. MAINTENANCE REQUIREMENTS:**

PARAMETER	LOCATION	FREQUENCY	
Aerobic Tank Function	Aerobic Tank	ANNUAL	OK ✓
Flow	Water Meter	MONTHLY	OK ✓
Pumps, Floats & Alarms	Pump Chamber	ANNUAL	OK ✓
Solids Removal & Water Tightness	Septic tank(s)	ANNUAL	no need ✓
Surface Discharge	Dispersal System	ANNUAL	none ✓
Vegetative Cover	Dispersal System	ANNUAL	good ✓

ATU - eff should be clean? clean? odorless? Check socks - clean if necessary.

every 5th yr. sample coliform.

6/10/14 ↑ OK to move to 5yr. - need annual contract w/maintainer.

SEPTIC SYSTEM REVIEW FOR  
Stuart Mittlesteadt  
Operating Permit# 239  
Parcel # 07-0-014202

Property located in Aitkin Township

May 31, 2014

The above mentioned property has an event counter installed on it. On May 2013 the meter reading was 1,214. On May 2014 the meter reading was 1,348 with a difference of 134 events. So at 134 events by 200 gallons per event = 26,800 gallons divided by 365 days =74 gallons per day average.

The system is set up for 600 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.



## Kristi Kunz

---

**From:** Kristi Kunz [kristi.kunz@co.aitkin.mn.us]  
**Sent:** Thursday, February 26, 2015 2:51 PM  
**To:** 'Mar Ritter'  
**Subject:** FW: 2014 Operating Permits

Hey Mark! It's that time of the year again and I'm about to start working on the OP's that are up for renewal this year.

I just wanted to touch base with you and let you know that I still have 3 (see highlighted below) of yours that were never renewed based on the missing information. At this point I think we have 2 options:

- 1) Obtain the missing information and I will renew them based on your recommendations.
- 2) Send another renewal letter, ask for all the renewal information again, and another renewal payment.

\*Based on the letters you submitted (dated 5.31.14) for all three systems, you had asked to move them to 5 year renewals. If you can get the missing information I will renew their permits and backdate it to last year, so their next renewals would be 2019.

Let me know your thoughts. I won't send anything out until I hear from you.

~Kristi

---

**From:** Mar Ritter [mailto:rittersewer@hotmail.com]  
**Sent:** Monday, June 16, 2014 6:30 AM  
**To:** Kristi Kunz  
**Subject:** RE: 2014 Operating Permits

---

**From:** [kristi.kunz@co.aitkin.mn.us](mailto:kristi.kunz@co.aitkin.mn.us)  
**To:** [rittersewer@hotmail.com](mailto:rittersewer@hotmail.com)  
**Subject:** 2014 Operating Permits  
**Date:** Tue, 10 Jun 2014 10:18:47 -0500

Based on our conversation today, below are the items we discussed per my conversation with Terry.

~~David Fieck, OP#5 – 1) Submit water meter readings/event counter readings.  
2) Submit results of Fecal Coliform, Fats/Oil/Greases, TSS, and BOD5's  
sampling.  
3) Submit a copy of an annual maintenance contract with a Licensed  
Service Provider for the length of the renewal period.~~

Patrick O'Connor, OP# 25 - 1) Verify Nibbler Jr. is working properly and submit results.  
2) Submit results of coliform sampling per the contract.

Stuart Mittlesteadt, OP#239 – 1) Inspect ATU – effluent clean? Clear? Odorless? and submit results.  
2) Inspect socks – clean if necessary and submit results.  
3) Submit results of coliform sampling.

~~John McIntosh, OP#279~~ 1) ~~Submit results of coliform sampling.~~  
2) ~~Inspect ATU – effluent clean? Clear? Odorless? and submit results.~~  
3) ~~Inspect socks – clean if necessary and submit results.~~

Mary Gielser, OP#381 – 1) Submit results of coliform sampling.  
2) Inspect ATU – effluent clean? Clear? Odorless? and submit results.  
3) Inspect socks – clean if necessary and submit results.

Once we receive the items listed above, the renewal periods will be moved based on your recommendations.

If you have any questions, just ask.

Thanks!

Kristi K.  
Aitkin County Planning & Zoning  
218-927-7342

\*\*\*\*\*  
\*\*\*\*\*

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34753 390th Place • Aitkin, MN 56431

#239

Authorized Distributor For

**MULTI-FLO**  
AERATION EQUIPMENT  
SALES & SERVICE

**GENERAL INFORMATION**

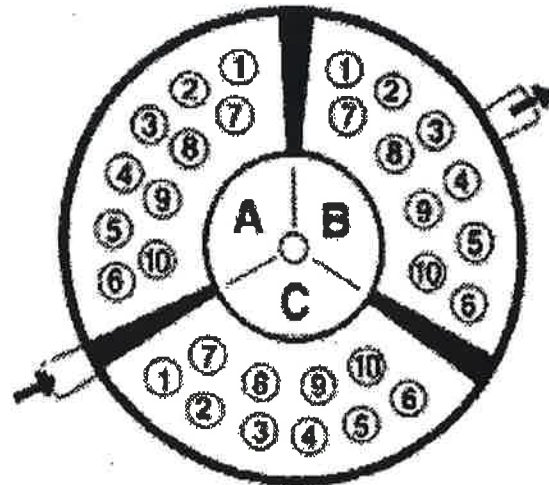
OWNER Stuart Middlesteadt RESIDENT \_\_\_\_\_  
ADDRESS \_\_\_\_\_ COUNTY Aitkin  
DATE OF INSPECTION 10-3-2014 PHONE \_\_\_\_\_

**UNIT INFORMATION**

TANK NO. \_\_\_\_\_ TYPE OF TANK \_\_\_\_\_ NO. OF MOTORS \_\_\_\_\_ SER NUMBER \_\_\_\_\_

**CHECK LIST**

ID	Done	Per. Specs.	Need Asses
Take Mixed Liquor sample	<input checked="" type="checkbox"/>	_____	_____
Check Alarm System	<input checked="" type="checkbox"/>	_____	_____
Turn Off Power	<input checked="" type="checkbox"/>	_____	_____
Rinse Surge Bowl	<input checked="" type="checkbox"/>	_____	_____
Inspect Effluent Quality	<input checked="" type="checkbox"/>	_____	_____
Wash Mats and Filters	<input checked="" type="checkbox"/>	_____	_____
Wash Filters	<input checked="" type="checkbox"/>	_____	_____
Inspect/Replace Top Gasket	<input type="checkbox"/>	_____	_____
Inspect/Replace Bottom "	<input type="checkbox"/>	_____	_____
Inspect alarm Sensors	<input checked="" type="checkbox"/>	_____	_____
Inspect Aerator	<input checked="" type="checkbox"/>	_____	_____
Turn Power On	<input checked="" type="checkbox"/>	_____	_____



**CORRECTIONS RECOMMENDED:**  
ATU looks good  
effluent clear, clean + odorless

REPLACED FILTERS # \_\_\_\_\_  
REPLACE EXPANDERS # \_\_\_\_\_  
COMMENTS \_\_\_\_\_

**TESTING INFORMATION**

**IN FIELD TESTS**

pH \_\_\_\_\_ TEMP \_\_\_\_\_  
O<sub>2</sub> \_\_\_\_\_  
c.O<sub>2</sub> \_\_\_\_\_  
SETTLABLE SOLIDS % \_\_\_\_\_

**TESTS IN LABORATORY**

B.O.D. \_\_\_\_\_  
D.O. \_\_\_\_\_  
FECAL COLIFORMS \_\_\_\_\_  
SUSPENDED SOLIDS \_\_\_\_\_

Mok P R. He  
SIGNATURE OF SERVICE OR REPAIRMAN

LICENSE NUMBER \_\_\_\_\_



awlab.com

16326 Airport Road  
 Brainerd, MN 56401  
 p: 218.829.7974  
 f: 218.829.1316

# Analysis Report

# 239

October 23, 2014

**REPORT TO:**  
 RITTERS SEWER & EXCAVATING

34753 390TH PLACE  
 AITKIN MN 56431-

**INVOICE TO:**  
 RITTERS SEWER & EXCAVATING  
 MARK RITTER  
 34753 390TH PLACE  
 AITKIN MN 56431-

Date Sampled: 10/3/2014      Sampled by: MARK RITTER  
 Time Sampled: 09:50      Sample Type: WW  
 Date Rcvd-Brnd: 10/3/2014      Recv Temp: 4.6 C

**LOCATION:**  
 STEELSTEAD

**SITE / ANALYTE**

SITE / ANALYTE	Analyzed Value	MCL	Analytical Method	Analysis Date/Time	Analyst	Code #
LIFT TANK IN FRONT OF DRAIN FIELD						
BOD (5 DAY), MG/L-C	2.8		SM 5210 B-01 online	10/3/2014 14:53	BS	29173B
FECAL COLIFORM, COLONIES/100 ML-C	100		SM 9222 D (m-FC)- 97 online	10/3/2014 15:35	BS	29173B
RESIDUE, NONFILTERABLE (TSS), MG/L-C	21.2		USGS I-3765-85	10/7/2014	BS	29173B

Approved By:   
 Sara Ahlers, Laboratory Director

Date Approved: 10-27-14

A.W. Research Laboratories is Certified by the Minnesota Department of Public Health and follows approved methods and procedures, Minnesota Laboratory Certification # 027-036-136. All data generated using certified methods noted as -C, all data generated using non-certified methods noted as -NC, and all analytes for which certification 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. Under the Safe Drinking Water Act (SDWA), EPA sets legal limits on the levels of certain contaminants in drinking water-these limits are indicated as Maximum Contaminant Levels of MCL on the report.

~End of Analysis Report~

SEPTIC SYSTEM REVIEW FOR  
Stuart Mittlesteadt  
Parcel # 07-0-014202  
Operating permit #239

Property located in Aitkin Township

May 21, 2019

The above mentioned property has an event counter installed on it. On May 2014 the meter reading was 1,348. On May 2019 the meter reading was 1,969 with a difference of 621 events. So at 621 events by 200 gallons per event = 385,641 gallons divided by 1,825 days =211 gallons per day average. The Aerobic tank, pumps, alarms and time dosing panel are all operating properly. The BOD5, TSS and fecal are all within standards (see attached sheet).

The system is set up for 600 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 14, 2019

**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: 5/8/2019  
 Time Rcvd-Brnd: 10:29

Sampled By: Mark Ritter  
 Sample Type: WW  
 Recv Temp°C: 1.0 on ice

**LOCATION:**  
 Mittlesteadt Oper. #239

SITE / ANALYTE	Sample Date/Time	Analyzed Value	Units	Reporting Limit	Analytical Method	Analysis Date/Time	Analyst	Code #
<b>Lift To Mound</b>	5/8/2019 @ 07:10							
Biochemical Oxygen Demand, 5 Day		4	mg/L	2	SM 5210 B-2011	5/9/19 11:22	CJS	019907
Fecal Coliform		200	MPN/100mL	1	COLILERT-18 (FECAL COLI.)	5/8/19 15:01	SK	019907
Residue-Nonfilterable (TSS)		5.2	mg/L	1	USGS I-3765-85	5/9/19 10:07	SK	019907

Approved By:



Date Approved: 5/14/2019

Sara Ahlers, Laboratory Director

A.W. Research Laboratories, Inc. is Certified by the Minnesota Department of Public Health and follows approved methods and procedures. Minnesota Laboratory Certification # 027-035-135. All data generated using certified methods noted as -C, all data generated using non-certified methods noted as -NC, and all analytes for which certification 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~

Invoice #47817 (05/29/2019)

2. Zoning/Land Use Permit Applications Misc. (OFFICE USE ONLY) App. # App-2019-004535, UID # 197854

Stuart A. Mittelsteadt

(218) 927-7342

319 E. 98th Street, Bloomington, mn 55420-4939

Aitkin County Planning & Zoning / Environmental Services

209 2nd Street NW, Room 100

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 05/29/2019 10:05 AM \$100		\$100.00	x 1	\$100.00	
<b>Grand Total</b>					
				<b>Total</b>	<b>\$100.00</b>
<b>Payment #45127</b>					
<b>Method:</b>	Check		5066		
<b>Date:</b>	05/29/2019	<b>Note:</b>	319 E. 98th Street, Bloomington, MN 55420-4939		
<b>Made By:</b>	Stuart A. Mittelsteadt				
<b>Confirmed By:</b>	Jan Yearneau				

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

ISSUANCE DATE: 5/31/2019  
RENEWAL PERIOD: 5 YEAR

OPERATING PERMIT #: 239  
ZONING PERMIT #: 33595  
PARCEL #: 07-0-014202

PERMITTEE: Stuart Mittlesteadt

TELEPHONE: (218) 820-6621

MAILING ADDRESS:  
22443 Cedar Lake Drive  
Aitkin, MN 56431-

PROPERTY ADDRESS:  
22443 Cedar Lake Dr.  
Aitkin, MN 56431

LEGAL DESCRIPTION: 1.20 Acres of Lot 4 in Doc. 367286

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.**

  
Signature of Permittee

Date 5/15/19

  
Signature of Permitting Authority

Date 5-29-19

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.



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

**209 Second Street, NW Room# 100**

**Aitkin, Minnesota 56431**

PH: (218) 927-7342

FX: (218) 927-4372



6/6/2019

Stuart Mittlesteadt  
22443 Cedar Lake Drive  
Aitkin, MN 56431-

Re: Operating Permit # 239  
Zoning Permit # 33595  
Parcel # 07-0-014202

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 5/31/2024 .

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,

*Shannon W.*

Aitkin County Planning & Zoning