

**AITKIN COUNTY ENVIRONMENTAL SERVICES**

**OPERATING PERMIT FOR WASTEWATER  
TREATMENT AND DISPERSAL**

**OPERATING PERMIT #:** 399

**FEE:** \$100

**PERMITTEE:** Luke Lucas

**PHONE:** (218) 549-0694

**ADDRESS:** 29857 344th Ln.  
Aitkin, MN 56431-

**ZONING PERMIT #** 39267

**PARCEL #:** 15-0-061600

**ISSUE DATE:** 10/11/2012

**RENEW DATE:** 5/31/2014

**LEGALDESCRIPTION:** .50 AC LOT 3

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**

Oct 11, 2012  
**Date**

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

10-11-12  
**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 design is for a septic system update at a home currently served by holding tanks. The current holding tank is old and will be replaced. A 1500 gallon Brown Wilbert septic tank will be installed followed by a 1250 gallon time dose pump tank. A box mound will be built. Clean mound sand will be brought in to make the 1.5' of separation. Then, a 6" thick rockbed will be built, and a Bord na Mona peat filter will be placed on the rock. An effluent screen is required prior to the peat filter; install filter on the outlet of the septic tank. Design flow is 150 gpd. Dose pump will be set at 150 gpd. Reserve capacity in the pump tank will be about 833 gallons. A high level alarm will be installed to indicate when reserve is reduced to about 200.

**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
Flow	150/gpd	Event Counter	MONTHLY	Record on Log Sheet	ANNUALLY
Separation	1.5'	Dispersal System	ANNUALLY	Measure in Field	ANNUALLY

**C. MAINTENANCE REQUIREMENTS:**

PARAMETER	LOCATION	FREQUENCY
Inspect Effluent Filters	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	ANNUAL

**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, Room 100  
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 Septic Check.

**E. MITIGATION PLAN:**

If flow exceeds system capacity first determine why. Eliminate extra water from sources such as plumbing leaks or infiltration, reduce pump dosing to field, reduce water use, or have a licensed maintainer pump as necessary to bring system into compliance.

**F. SPECIAL REQUIREMENTS:**

Monitor and Maintain the system as outlined within this Operating Permit Application.