

**AITKIN COUNTY ENVIRONMENTAL SERVICES**

**OPERATING PERMIT FOR WASTEWATER  
TREATMENT AND DISPERSAL**

**OPERATING PERMIT #:** 361

**FEE:** 100

**PERMITTEE:** Curtis Sparks

**PHONE:** (651) 255-5043

**ADDRESS:** 20930 Keewahtin Ave  
Forest Lake, MN 55025-

**ZONING PERMIT #** 37175

**PARCEL #:** 29-0-032906

**ISSUE DATE:** 7/1/2011

**RENEW DATE:** 5/31/2012

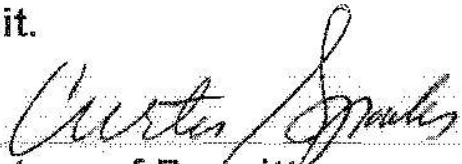
**LEGALDESCRIPTION:** That Pt. Govt lot 1, E of Flowage as in Doc 354907

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.

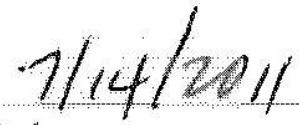
This permit is effective on the issuance date identified above.

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



Date

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.

ck 11528 dated 7/14/11 \$100 receipt# 169639 KK

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

1500 gallon 2 part septic tank with pump chamber. Orenco Systems Biotube EasyPak BEP100-DB. Venturi air injector to the wetland bed. 10x20 insulated horizontal flow constructed wetland 8-12 inch water depth designed as a packed bed filter. The drainfield bed will use Infiltrator Systems Inc. Quick 4 Equalizer 24 low profile. The distribution method is by 2 inch SDR 40 perforated piping. Uniform gravity distribution to the 15x30 bed is accomplished by the dosing siphon. Flow monitoring will be provided by an in-line water meter on the domestic water side of the water system. In addition, the ~~Biotube pump~~ <sup>SYPHON</sup> has an event counter that ~~can be~~ <sup>is</sup> used for flow measurements.

**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      | 180 gpd          | Wetland Effluent | MONTHLY          | Record on Log Sheet | ANNUALLY            |

**C. MAINTENANCE REQUIREMENTS:**

| PARAMETER | LOCATION                            | FREQUENCY |
|-----------|-------------------------------------|-----------|
| Flow      | Water Meter<br><i>EVENT COUNTER</i> | MONTHLY   |

**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 Curtis Sparks

**E. MITIGATION PLAN:**

Repair or replace if system fails.

**F. SPECIAL REQUIREMENTS:**

Maintain operating permit.