

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

It is hereby agreed this 29 day of September, 2007 by and between
Brian Koski (Inspector) and Bob Palmer (client)

Septic Check, Inc
(Client) Name & Address
Bob Palmer

Street Address 11709 - 117th Ave

City, State, Zip Farleyson, MN 55738

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.

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: _____

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 upon Installation
and Ending Annually Renewed

Cost for Maintenance Service, Monitoring and Inspection Contract is:


\$ 0 /yr. For 2 years totaling \$ 0
\$ 150 yr / Annual Renewal


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 in January For year in advance

Client:

Inspector:

Sign: 

Sign: 

Print: Robert Palmer

Print: Brian Koski

Date: 9/30/07

Date: 9-30-07

Aitkin County Environmental Services

**Application for an
Operating Permit for Wastewater Treatment And Dispersal**

Permittee: Bob Palmer

Parcel Number: 34-1-072900

Address: 11709 – 117th St.
Finlayson, MN 55735

Legal Description: Lot 23, Echo Hill Townsite, Sec. 26, T 43.N, R 22.W.

Telephone # 320-233-6109

GIS Location _____

A. Description of Wastewater Treatment and Dispersal System:

Sewage will flow by gravity from the home to a 1600-gallon combination tank. The 1000-gallon side will be equipped with a screened pump vault. Effluent will be time dosed at 280 gallons per day into a 500 gallon per day Multi-Flo Aerobic Treatment Plant. The Multi-Flo will gravity feed the 600 gallon pump tank side of the combination tank. From that pump tank, effluent will dose into a 360 ft² pressure bed.

Number of Bedrooms = 2

Flow = 280 gallons per day

Hydraulic Loading Rate = 1.27 gpd/sqft

Organic Loading Rate = .00003 BOD/sqft

Estimated Cost of:

System Construction = \$12,000

Operation = \$10 per month

Monitoring & Servicing: first two years No Charge, after two years
\$150/yr

Testing = \$80 first year, then \$40/yr 2 years

Anticipated System Life = 25 - 40 years

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 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	<1,000 ATU / cfu/100ml	Pump Tank	Semi-annual 1st year	Grab	Annual
Flow	280 GPD	pump control	Monthly if in use	Record on log sheet	Annual

C. Maintenance Requirements:

Parameter	Location	Frequency
Daily Flow	pump control	Monthly if in use (record on log sheet)
Sludge and scum level	Septic Tank	Annually
Pump, Alarms, Floats, etc.	Tanks	Annually
Multi-Flo	Multi-Flo	Semi-annually
Surfacing effluent, landscaping etc.	Total system	Annually

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 56341

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, Inc, 6549 Keystone Road, Milaca, MN 56353 320-983-2447
Lic #2624

E. Mitigation Plan:

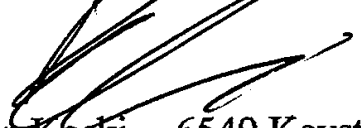
If surfacing occurs: verify cause and make any necessary repairs or reduce water use.

Waste strength: if fecals exceed limit - reduce influent strength, increase retention time.
If fecals continue to exceed limit add disinfection.

If flow exceeds limit: reduce flow, install water saving fixtures, pump the tank.

A replacement septic system could be constructed.

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


License #2624 9-28-07
Brian Koski 6549 Keystone Rd, Milaca, MN 56353 320-983-2447