

ZONING PERMIT APPLICATION

182

FULL NAME LARRY BRANNAN TELE # 612-720-1679
BIRTHDATE & DL # _____
MAIL ADDRESS 42910 DAISSY STREET
911 ADDRESS AITKIN, MN 56431
TOWNSHIP FARM ISLAND
LEGAL DESCRIPTION ATTACHED
SECTION 4 TOWNSHIP 46 RANGE 27

OFFICE USE ONLY
DATE _____ APPROVE / DENY _____
PERMIT# 30328
PARCEL# 07-0-008400
RECEIPT# 4275
CONFORMING SEPTIC "Other"
YES P# _____ NO NEW

(circle) RESIDENTIAL COMMERCIAL ACCESSORY NEW BUILDING ALTERATION

BUILDING CONTRACTOR AND LICENSE NUMBER: _____

SIZE OF ALL BUILDINGS COVERED BY THIS APPLICATION _____

"Other" pressure bed

COMMENTS: PERFORMANCE SEPTIC SYSTEM

DATA FOR SEWER CONSTRUCTION: INSTALLER SEPTIC CHECK, INC #BEDROOMS/GPD 3/450

DO NOT WRITE BELOW THIS LINE

ZONING DISTRICT & FLOOD PLAIN

ZONING DISTRICT S/L
LAKE/STREAM/RIVER NAME Four
LAKE/RIVER ID NUMBER 1-0102
LAKE/RIVER/STREAM CLASSIF. NE
PARCEL LOCATED IN FLOOD PLAIN? Y? N _____
10/100 YR FLOOD ELEVATION TBD BY DNR
LOWEST FLOOR ELEVATION 1 ft above 100 yr flood
ELEV. CERTIFICATE REQUIRED Y _____ N _____
BEFORE CONSTRUCTION Y _____ N _____
AFTER CONSTRUCTION Y _____ N _____

STRUCTURE SETBACK DISTANCE REQUIREMENTS

(Measure from eaves or overhang)

OHW TO LAKE/RIVER/STREAM 150' (100' per 201514V)
PROPERTY LINE SETBACK 10'
SETBACK TO ROAD R-O-W 30' top, 50' cot
SETBACK TO BLUFF 30'

SEPTIC SYSTEM SETBACK DISTANCES

SETBACK TO STRUCTURES 10' Tank, 20' DF
OHW TO LAKE/RIVER 150'
PROPERTY LINE SETBACK 10'
SETBACK TO ROAD R-O-W 10'

ATTACH COPY OF ELEVATION CERTIFICATES

SOIL BORINGS 4 SEPTIC DESIGN "Other" GARBAGE DISP/HOT TUB YES _____ NO ✓
PERK RATES 1-5 DEPTH TO RESTRICTING LAYER 1.8'
MIN.SIZE SEPTIC TANK 1000 MIN.SIZE PUMP TANK 500
DRAINFIELD: MINIMUM SQ.FT 780 WITH See design INCHES ROCK BELOW PIPE
MOUND: MINIMUM ROCK BED SQ.FT _____ WITH 9 INCHES ROCK BELOW PIPE
MIN.UPSLOPE SAND WIDTH _____ MIN.DOWNSLOPE SAND WIDTH _____ END SAND WIDTHS _____
RECOMMENDATIONS: _____

X [Signature] \$ 300.00 RECEIVED BY [Signature] DATE 9/21/04
SIGNATURE APPLICANT/AGENT FEE

ERIC LARSON

EXPIRES IN ONE YEAR

Aitkin County Zoning, Courthouse — AITKIN, MINNESOTA 56431 — Telephone 218/927-7342

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

209 Second Street, NW
Aitkin, Minnesota 56431

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



September 23, 2004

RE: Septic Operating Permit #182; Zoning
Permit # 32328; Parcel 07-0-008400

Larry Brannan
42910 – Daisy Street
Aitkin, MN 56431

To Whom It May Concern:

Enclosed is the Operating Permit for a septic system that is to be installed on your property. Please review this permit thoroughly and become aquatinted with the conditions then sign the operating permit and return it to me with the enclosed envelope. Some conditions may have changed since the initial application was signed. A Compliance Inspector, hired by the landowner, must review the septic system onsite on an annual basis while this operating permit covers the system.

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. Please be aware that a Certificate of Compliance can not be issued until this provision is met; you may wish to make provisions for its installation now.

PLEASE NOTE THAT ALL FEES HAVE BEEN PAID THROUGH DECEMBER 31, 2005.

Should you have questions, please contact me at the number above.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Courtemanche". The signature is written in a cursive style with a large, sweeping flourish at the end.

Richard Courtemanche
Assistant Zoning Administrator
Aitkin County

Enclosure

AITKIN COUNTY ENVIRONMENTAL SERVICES

**OPERATING PERMIT FOR WASTEWATER
TREATMENT AND DISPERSAL**

OPERATING PERMIT #: 182

FEE: \$50

PERMITTEE: Larry Brannan

PHONE: (612) 720-1679

ADDRESS: 42910 Daisy Street
Aitkin, MN 56431-

ZONING PERMIT # 32328

PARCEL #: 07-0-008400

ISSUE DATE: 9/24/04

RENEW DATE: 12/31/05

LEGALDESCRIPTION: SE SE Less 9.88 acs Plat and 27.74 acs in Alake Doc 349183

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.

Larry Brannan

* *Odette Mitchell*
Signature of Permittee
Ruth Gusteman

Signature of Permitting Authority

9-28-04

Date

9-28-04

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

Sewage flows from home via gravity to a 500 gallon end of a 1500 gal combination tank. This will serve as a trash trap. Effluent will then gravity flow to the 1000 gal tank for time dosing into a 500 gallon per day Multiflo Aerobic Treatment Plant. The Multiflo will gravity feed a 650 gallon pump tank. From that pump tank, effluent will dose into a 780 sq ft pressure bed. The bed will be built with EZ-Flow aggregate. Cost of const= \$12-13,000; Monthly cost of operation= \$10/mo; Monitoring cost=free first 2 yrs then \$150/yr. Testing= \$80/1st year then \$40/yr every 2 years. Life of system = 25-40 years.

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	<1,000 cfu/100 ml	Aerobic Tank Effluent	EVERY 6 MONTHS	Grab	ANNUALLY
Flow	450 GPD	Water Meter	MONTHLY	Measure in Field	ANNUALLY

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY
Aerobic Tank Function	Aerobic Tank	EVERY 6 MONTHS
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

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 Eric Larson

E. MITIGATION PLAN:

1) If weeping occurs; lower dosing rate, lower water usage, increase distribution and absorption area. 2) Waste strength, if fecals exceed limit, reduce effluent strength, increase retention time in ATU or add disinfection. 3) A different or another Performance or Other System may be installed at the owner's expense. 4) 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 ***



Septic Check, Inc
 6549 Keystone Road
 Milaca, MN 56353
 320-983-2447
 www.septic-check.com

OP# 182

MAY 05 2011

MAINTENANCE SERVICE REPORT

Year ending 12-31-2010

Owner: Odete Muehlberg
 42910 Daisy Street
 Aitkin, MN 56431

System ID: 13
 County: Aitkin
 Parcel ID: 07-0-008400
 Site Address: 42910 Daisy Street
 Aitkin, MN 56431

Water Usage

Service Date	Description	Prev Event	Current Event	Period Gallons	Gallons/day
4/27/2010	Standard Service	11917	12004	1392.0	9.9
9/22/2010	standard service	12004	12100	1536.0	10.4
				0.0	0.0
				0.0	#DIV/0!

Performance Requirements

Sample Date	Type	Permit Limit	Test Results
	Fecals Limit	1000 CFU/100ml	N/A CFU/100ml
	TSS Limit	N/A Mg/l	N/A Mg/L
	FOG Limit	N/A Mg/l	N/A Mg/l
	BOD Limit	N/A Mg/l	N/A Mg/l
	Gallon Per Day Limit	450	10.2

Maintenance Requirements

Septic Tank		Pump Tank		Alarms inspected		
Sludge	Scum	Sludge	Scum	Aerator	Trash Trap	Drainfield Pump
10	0	8	0	√	√	√

Treatment Unit

Trash Trap Pump		Drainfield Pump		Treatment Unit			
Amps	Oper.	Amps	Oper.	MLSS%	Aerator Amps	WeiPlate Cleaned	Filter Cleaned
√	√	√	√	15	2.1	√	√

DSPPRCL1

Display Parcel Description

9/21/04 12:41:13

Notes: No

Parcel number/Tax year: 07-0-008400
Owner(s): 99900
BRANNAN, LARRY D & MUEHLBERG,ODETTE
2070 HILLVIEW RD
MOUNDS VIEW MN 55112

2005 Reference parcel: 00-2-070000084
Parcel type : RE Hold tax stmt:
Com district: 2 Misc1/2: 9-10-96
Escrow agent:
Mortgage hld:
UTA: Twp/City School AMBU **** *
007 0001 00 00 00 00

Taxpayer: 99900 FALCO: 1 F.O.
BRANNAN, LARRY D & MUEHLBERG,ODETTE
2070 HILLVIEW RD
MOUNDS VIEW MN 55112

TIF district: 000 000
Lake#/name : 1-0162 FOUR LAKE
Property adr:

Alternate taxpayer:

Emergency# : -
Twp/City Plt: FARM ISLAND TWP
Sec/twp/rge : 4 46.0 27 Acres: 2.38
Plat:
Description: Lot/Block . :
SE SE LESS 9.88 ACS PLAT & 27.74 ACS IN
LAKE DOC 349183

Press Enter to continue or enter new parcel/tax year. 07-0-008400 2005
F1=Full desc F2=Trans hist F3=Exit F6=Prcl hist F7=Backward F9=Escrow hist
F12=Cancel F14=Phy Addr F17=Dsply Note

Parcel number . . . : 07-0-008400

Name: BRANNAN, LARRY D & MUEHLBERG,ODETTE

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Lake/river/stream number : : ..... Zoning Notes: View ..... :
Land use district . . . . : : : : :
Shoreland mgmt district 1 : : NOTE: VARIANCE WAS OBTAINED BY DUWAYNE KO :
Shoreland mgmt district 2 : : NEWKO TO MOVE CLOSER TO LAKE ON SEPTIC AND :
Floodway . . . . . : : RESIDENCE STRUCTURE. LOT DOES NOT NEED 2 :
Floodfringe . . . . . : : STANDARD SITES, IT WAS CREATED BY REALIGN :
Floodplain . . . . . : : MENT OF THE ROAD. SEE 07-0017800 FILE FOR :
Bluff impact zone . . . . : : INFO. :
Wetlands present . . . . : : _____ :
Other . . . . . : : _____ :
Well present . . . . . : : _____ :
Serviced by sewer system : : _____ :
Conforming septic system : : _____ More... :
Last/next compliance date : : F3=Exit F12=Cancel F23=Delete :
Miscellaneous . . . . . : : :
Notes . . . . . : : ..... :

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Press Enter to continue or enter new parcel number. 07-0-008400

F3=Exit F7=Backward F9=Notes F12=Cancel

Parcel number . . . : 07-0-008400

Name: BRANNAN, LARRY D & MUEHLBERG,ODETTE

Lake/river/stream number	:	1-0162	FOUR LAKE
Land use district	:	NE	NATURAL ENVIRONMENTAL
Shoreland mgmt district 1	:	1-0162	FOUR LAKE
Shoreland mgmt district 2	:		
Floodway	:	N	Y=Yes, N=No
Floodfringe	:	N	Y=Yes, N=No
Floodplain	:	Y	Y=Yes, N=No
Bluff impact zone	:	N	Y=Yes, N=No
Wetlands present	:	Y	Y=Yes, N=No
Other	:		
Well present	:	N	Y=Yes, N=No
Serviced by sewer system	:	N	Y=Yes, N=No
Conforming septic system	:	X	
Last/next compliance date	:	0/00/00	
Miscellaneous	:		
Notes	:	NOTE: VARIANCE WAS OBTAINED BY DUWAYNE KO	

Press Enter to continue or enter new parcel number. 07-0-008400

F3=Exit F7=Backward F9=Notes F12=Cancel

ZONING PERMIT APPLICATION

(please do not write in shaded areas)

Sept 2 1998
BOA

DATE: 10-2-98	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> DENIED	PERMIT# 24514V
NAME: DuWayne Konewko	TELE#	PARCELS: 57-0-000-000	57-0-013-000
MAILING ADDRESS: Rt 2 Box 40 Aitkin		RECEIPT# 9/91	
TOWNSHIP: Farm Island	CONFORMING SEPTIC	YES	NO NEW
LEGAL DESCRIPTION: SE SE LESS 9 ACS Plat + 27.74 AC IN Lot 6			SEC 4 TWP 46 RGE 27

ZONING DISTRICT & FLOOD PLAIN		STRUCTURE SETBACK DISTANCE REQUIREMENTS (Measure from eaves or overhang)	
ZONING DISTRICT: S/R		OHW TO LAKE/RIVER/STREAM	
LAKE/STREAM/RIVER NAME: Harmon L		PROPERTY LINE SETBACK	
LAKE/RIVER ID NUMBER: 1-0161		SETBACK TO ROAD R-O-W	
LAKE/RIVER/STREAM CLASSIF: A/E		SETBACK TO BUFT	
PARCEL LOCATED IN FLOOD PLAIN? Y	N X	SEPTIC SYSTEM SETBACK DISTANCES	
100' DOWNFLOOD ELEVATION		SETBACK TO STRUCTURES	
LOWEST FLOOD ELEVATION		OHW TO LAKE/RIVER	
ELEV. CERTIFICATE REQUIRED	Y N X	PROPERTY LINE SETBACK	
BEFORE CONSTRUCTION	Y N X	SETBACK TO ROAD R-O-W	
AFTER CONSTRUCTION	Y N X		
ATTACH COPY OF ELEVATION CERTIFICATES			

(circle) RESIDENTIAL COMMERCIAL ACCESSORY NEW BUILDING ALTERATION

DATA FOR BUILDING CONSTRUCTION: CONTRACTOR _____

SIZE OF ALL BUILDINGS COVERED BY THIS APPLICATION _____

COMMENTS: Variance to construct a dwelling + septic from 150' to 0' HWL to 100' due to realignment of township rd 96

DATA FOR SEWER CONSTRUCTION: INSTALLER _____ #BEDROOMS/GPD _____

SOIL BORINGS	SEPTIC DESIGN	GARBAGE DISP/HOT TUB
PERK RATES	DEPT. TO RESTRICTING LAYER	YES NO
MIN SIZE SEPTIC TANK	MIN SIZE PUMP TANK	
DRAINFIELD: MINIMUM SQ FT	WITH _____ INCHES ROCK BELOW PIPE	
MOUND: MINIMUM ROCK BED SQ FT	WITH 9 INCHES ROCK BELOW PIPE	
MIN SLOPE SAND WIDTH	MIN DOWNSLOPE SAND WIDTH	END SAND WIDTHS
RECOMMENDATIONS		

PLEASE ATTACH ANY ADDITIONAL INFORMATION TO THIS PERMIT

TOWNSHIP OR CITY USE ONLY			
RECOMMEND	APPROVAL	DENIAL	COMMENTS
SIGNATURE TOWNSHIP/CITY CLERK			DATE

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.


 \$ 175.00
 
 7/2/98

SIGNATURE APPLICANT/AGENT FEE RECEIVED BY DATE

\$50.00 Pre On-Site: Yes No

EXPIRES IN ONE YEAR (Space for Required Sketch on Reverse Side)
 Aitkin County Zoning, Courthouse — AITKIN, MINNESOTA 56431 — Telephone 218/927-7342

1475748

Aitkin County Environmental Services

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

Permittee: Larry Brannan

Parcel Number: 07-0-008400

Address: Daisy Street
Aitkin, MN 56431

Legal Description: see attached sketch

Telephone # 612-720-1679

GIS Location _____

A. Description of Wastewater Treatment and Dispersal System:

Sewage flows by gravity from the home to the 500 gallon end of a 1500 gallon combination tank. This will serve as a trash trap. Effluent will then gravity flow to the 1000 gallon tank for time dosing into a 500 gallon per day Multi-Flo Aerobic Treatment Plant. The Multi-Flo will gravity feed a 650 gallon pump tank. From that pump tank, effluent will dose into a 780 square foot pressurized bed. The bed will be built with EZ Flow aggregate.

Number of Bedrooms = 3

Flow = 450 gallons per day

Hydraulic Loading Rate = 0.6 gpd/sqft

Organic Loading Rate = .00002 BOD/sqft

Estimated Cost of:

System Construction = \$12,000 - 13,000

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	<1000 cfu/100ml	ATU / Pump Tank	Semi-annual 1st year		Annual
Flow	450 GPD	Water meter/ pump control	Monthly	Record on	Annual log sheet

C. Maintenance Requirements:

Parameter	Location	Frequency
Daily Flow	Water Meter/ pump control	Monthly (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:

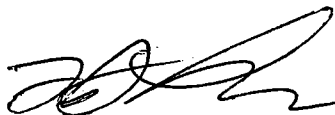
If surfacing occurs: reduce water use, increase absorption and distribution area.

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

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

9-18-04

Eric Larson 6549 Keystone Rd, Milaca, MN 56353 320-983-2447

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

It is hereby agreed this 19 day of SEPTEMBER '04 by and between
SEPTIC CHECK, INC. (Inspector) and LARRY BRANNAN (client)

(Client) Name & Address

LARRY BRANNAN

Street Address _____

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.

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 WITH INSTALLATION
and Ending ANNUALLY RENEWED

Cost for Maintenance Service, Monitoring and Inspection Contract is:

\$ 0 /yr. For 2 years totaling \$ 0.00

CURRENT 3RD YEAR COST IS \$150.00

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 JANUARY IN ADVANCE.

Client:

Inspector:

Sign:

[Signature]

Sign:

[Signature]

Print:

LARRY D. BRANNAN

Print:

ERIC LARSON

Date:

9-19-04

Date:

9-19-04



Septic Check,™ Inc.
 Septic System Management Services

INDIVIDUAL SEWAGE SYSTEM DESIGN SUMMARY

Property Owner: Larry Brannan Phone: 612-720-1679

Address: Daisy Street Township: Farm Island

City: Aitkin Zip: 56431 County: Aitkin

DESIGN USAGE

Single Family Home x Other _____

Number of Potential Bedrooms 3

Garbage Disposal no

Sewage Lift Pump no

SITE CHARACTERISTICS

Soil type loam

Soil Sizing Factor .6 gpd/ft2

Depth to restrictive layer 21"

PUMP INFORMATION

Pump GPM & TDH 30 & 5.8' into Multi-Flo
42.6 & 10.9 into bed

Cycles per day 48 to Multi-Flo
5 to bed

Gallons per cycle 16.2 to Multi-Flo
91.7 to bed

Perforation size & spacing 7/32" 3 1/2'

Number, spacing, & diameter of laterals 4 36" 2"

Forcemain Size 2"

CAPACITIES

Daily Water Use 450 Est x Calc _____

Septic Tank Capacity 1500

Pump Tank Capacity 650

MOUND SYSTEM

Dimension of Rock Base _____

Depth of Rock Below Pipe _____

Dimensions of Mound _____

% Slope of Soil Under Mound _____

Upslope Dike Width _____

Downslope Dike Width _____

Sideslope Dike Width _____

BED SYSTEM

Type of Bed pressurized EZ Flow

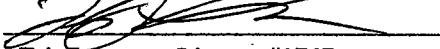
Maximum Depth of Bed 3" downslope

Square Feet of Bed Required 752

Square Feet of Bed Proposed 780

Lineal Feet of Bed Proposed 65'

APPROVAL

By  Date 9-18-04
 Eric Larson License #1767

See additional information sheet if checked

Protecting Your Investment and Everyone's Environment

6549 Keystone Rd. • Milaca, MN 56353
 (320) 983-2447 • (320) 983-2151 Fax • (888) 983-2447 Toll Free

Septic Design Additional Information

Larry Brannan

Overview of Design: This design is for a Performance Septic System at Section Four Lake. A 1500 gallon combination tank will be installed so sewage flows into the 500 gallon side. This will serve as a trash trap for solids. It will then flow by gravity to the 1000 gallon chamber for timed dosing into a 500 gallon per day Multi-Flo Aerobic Treatment plant. It will flow from the Multi-Flo to a 650 gallon tank for dosing to a pressurized bed. The bed will be built long and narrow (12' x 65') to fit a moraine backslope and save as many adult trees as possible. The bed will be built just below grade at the downslope edge and run level into the upslope. Overfill as necessary for proper grading and protection against freezing. Use a 3:1 downslope toe to minimize size.

Homeowner to verify all property lines.

Suggest Septic Protector filter to minimize laundry lint in new system. \$160 est.

Elevations are referenced to double headed nail bench mark in basswood tree north of home site.

Installer to verify all elevations, dimensions, and ensure proper fall to pipes.

Pitch pump chamber outlets to ensure complete drainback to pump chambers. Insulate dose pipe under driveway.

Establish turf to prevent erosion and freezing.

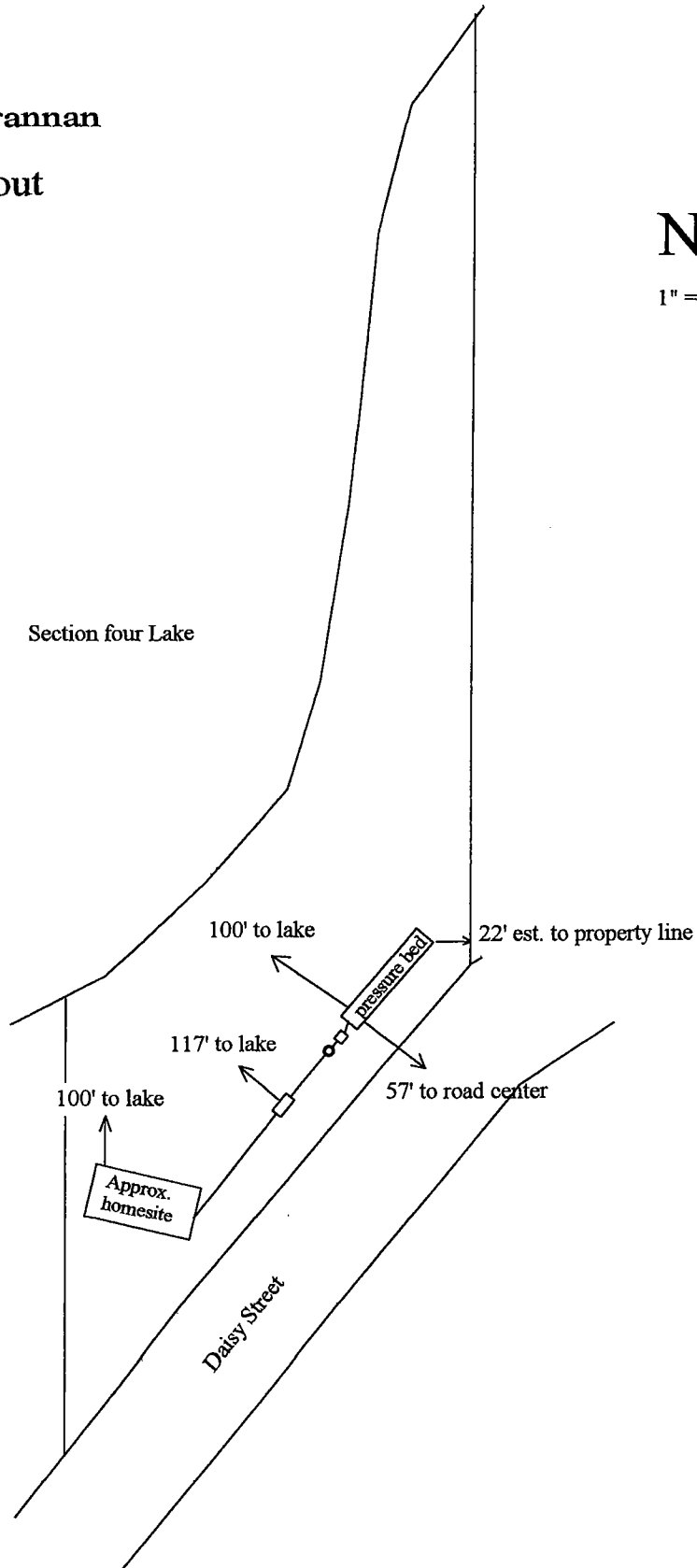
Each tank is to be pumped through the maintenance cover when serviced. Do not pump through inspection pipes.

Homeowner is responsible for all costs involved in servicing, monitoring, and mitigating the system.

All construction to be performed in accordance with MN Rule 7080.

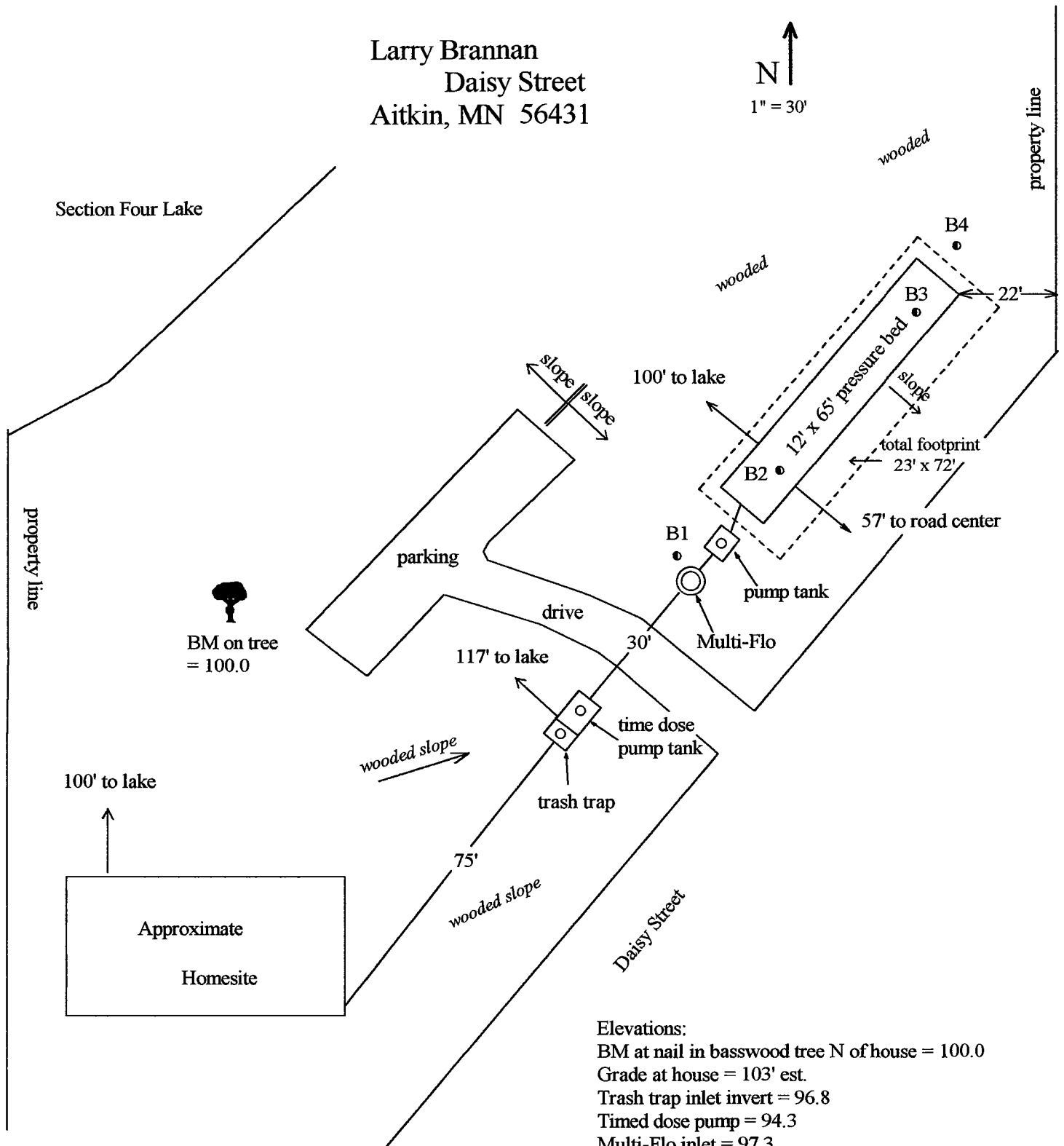
Larry Brannan

Lot Layout



Larry Brannan
 Daisy Street
 Aitkin, MN 56431

N ↑
 1" = 30'

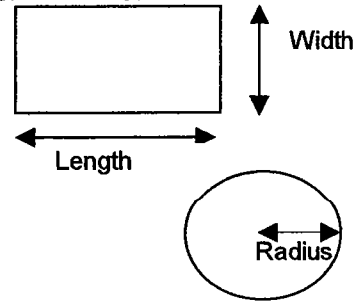


Elevations:

- BM at nail in basswood tree N of house = 100.0
- Grade at house = 103' est.
- Trash trap inlet invert = 96.8
- Timed dose pump = 94.3
- Multi-Flo inlet = 97.3
- Multi-Flo outlet = 97.1
- Pump tank inlet = 95.5
- Pump tank outlet = 95.3
- Dose pump = 92.3
- Bottom laterals = 97.8
- Bottom rockbed = 97.3
- Restrictive layer = 95.8

DOSING CHAMBER SIZING with a Timer Into Multi-Flo Brannan

All boxed rectangles must be entered, the rest will be calculated.



23 gallons per inch Bremix 1000 gallon tank

**Legal Tank:
500 gallons or
100% the daily flow
or Alternating Pumps**

1. Determine area

A. Rectangle area = $L \times W$

ft x ft = 0 ft²

B. Circle area = $3.14 \times \text{radius}^2$

$3.14 \times$ ²ft = 0.0 ft²

C. Get area from manufacture ft²

2. Calculate gallons per inch

There are 7.5 gallons per cubic foot of volume, therefore multiply the area (1A, B or C) times the conversion factor and divide by 12 inches per foot to calculate gallon per inch.

Surface area x 7.5 / 12 = 0.0 ft² x 7.5 / 12in/ft = 0.0 gallon per inch

3. Calculate recommended capacity = average design flow (see chart A-1) x 2

gpd x 2 = 0 gal

4. Calculate total tank volume

A. Depth from bottom of inlet pipe to tank bottom = in

B. Total tank volume = depth from bottom of inlet pipe to tank bottom(4A) x gal/in(2)
= 0 in x 0.0 gal/in = 0.0 gallons

5. Calculate gallons to cover pump (with 2-3 inches of water covering pump)

(Pump and block height + 2 inches) x gallon per inch(2)

(14 + 2 in) x 23.0 gal/in = 368.0 gallons

6. Calculate total usable tank volume

total tank volume in gallons (4) - gallons to cover pump(5)

1000.0 gal - 368.0 gal = 632.0 gal

7. Calculate total pumpout volume

A. Select pump size for 4-5 doses per day. Gallon per dose = gpd (see Figure A-1) / doses per day =

450 gpd / 48 doses/day = 9.375 gallons

B. Calculate drainback

1. Determine total pipe length 40.0 ft

2. Determine liquid volume of pipe, 0.17 gal/ft (see figure E-20)

3. Drainback quantity = 40 ft (7B1) x 0.17 gal/ft(7B2) 6.8 gallons

C. Total pump out volume = dose volume(7A) + drainback (7B3)

9.375 gallons + 6.8 gallons = 16.2 gallons

8. Pump Rate

From design 30 gpm

or calculated:

change in depth (in) x gallon per inch(2) / time interval in min = gpm

in x 0.0 gal/in / min = #DIV/0! gpm

9. Calculate the timer ON setting

Dose gallons(7C) / gpm (8)

16.2 gal / 30.0 gpm = 0.5 minutes ON

10. Calculate the timer OFF setting

minutes per day / doses per day - minutes on

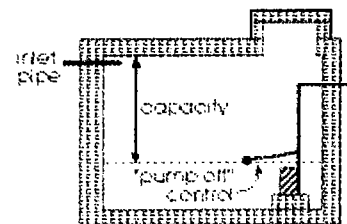
1440 / 48 doses/day - min on(9) 29.6 minutes OFF

A-1: Estimated Sewage Flows in Gallons per Day

number of bedrooms	Class I	Class II	Class III	Class IV
2	300	225	180	60%
3	450	300	218	of the
4	600	375	256	values
5	750	450	294	in the
6	900	525	332	Class I,
7	1050	600	370	II, or III
8	1200	675	408	columns.

E-20: Volume of Liquid in Pipe

Pipe Diameter inches	Gallons per foot
1	0.045
1.25	0.078
1.5	0.11
2	0.17
2.5	0.25
3	0.38
4	0.66



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9/12/04 (date)

PUMP SELECTION PROCEDURE

All boxed rectangles must be entered, the rest will be calculated.

TRASH TRAP INTO MULTI-FLO Brannan

1. Determine pump capacity:

A. Gravity Distribution

1. Minimum required discharge is 10 gpm
 2. Maximum suggested discharge is 45 gpm
- For other establishments at least 10% greater than the water supply rate, but no faster than the rate at which effluent will flow out of the distribution device.

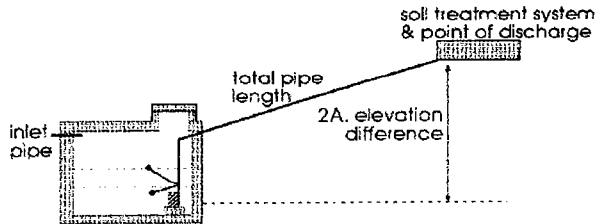
B. Pressure Distribution - see pressure design worksheet

Selected Pump Capacity: 30 gpm

2. Determine head requirements:

A. Elevation difference between pump and point of discharge.

5 feet



B. Special head requirement? (See Figure - Special Head Requirements)

0 feet

Special Head Requirements	
Gravity Distribution	0ft
Pressure Distribution	5ft

C. Friction loss

1. Select pipe diameter 2 in
2. Enter Figure E-9 with gpm (1A or B) and pipe diameter (C1)
Read friction loss in feet per 100 feet from Figure E-9
Friction loss = 1.55 ft/100 ft of pipe

E-9: Friction Loss in Plastic Pipe Per 100 feet			
flow rate gpm	nominal pipe diameter		
	1.5"	2"	3"
20	2.47	0.73	0.11
25	3.73	1.11	0.16
30	5.23	1.55	0.23
35	6.96	2.06	0.30
40	8.91	2.64	0.39
45	11.07	3.28	0.48
50	13.46	3.99	0.58
55		4.76	0.70
60		5.60	0.82
65		6.48	0.95
70		7.44	1.09

3. Determine total pipe length from pump discharge to soil system discharge point
Estimate by adding 25 percent to pipe length for fitting loss.
Equivalent pipe length times 1.25 = total pipe length
40 ft x 1.25 = 50 feet

4. Calculate total friction loss by multiplying friction loss (C2)
by the equivalent pipe length (C3) and divide by 100.
FL = 1.55 ft/100ft X 50 ft / 100 = 0.8 feet

D. Total head requirement is the sum of elevation difference (A), special head requirements (B), and total friction loss (C4).

5 ft + 0 ft + 0.8 ft

Total Head: 5.8 feet

3. Pump Selection

1. A pump must be selected to deliver at least 30 gpm (1A or B)
with at least 5.8 feet of total head (2D).

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PRETREATMENT WORK SHEET Larry Brannan

All boxed rectangles must be entered, the rest will be calculated.

1. FLOW

A. Estimated 450 gpd (see figure A-1)
 measured x 1.5(safety factor) = 0 gpd

B. SEPTIC TANK CAPACITY 1500 gallons (see figure C-1)

2. SOILS (Site evaluation data)

C. Depth to restricting layer = 1.8' feet
 D. Texture loam Percolation rate MPI
 E. SSF 1.67 ft²/gpd (see downsizing or < 3ft figure)
 F. Land Slope 10 %

3. Pressure Distribution Trench Bottom Area

H. For trenches with 6" of rock below the pipe, Area = Flow (1A) divided by SSF (2E) =

$$\frac{450 \text{ gpd}}{1.67 \text{ ft}^2/\text{gpd}} = 780.0 \text{ ft}^2$$

I. For trenches with 12" of rock below the pipe, Area = Flow (1A) divided by SSF (2E) x 0.8

$$\frac{780.0 \text{ ft}^2}{0.8} = 975.0 \text{ ft}^2$$

4. ORGANIC LOADING

J. 1. Organic loading = flow (A) x estimated BOD in mg/L leaving the pretreatment unit x 8.35 / 1,000,000

$$450 \text{ gpd} \times 5 \text{ mg/L} \times 8.35 / 1,000,000 = 0.018788 \text{ lbs BOD}$$

2. System loading = organic loading (J1) / area (H or I)

$$\frac{0.018788 \text{ lbs BOD}}{780.0 \text{ ft}^2} = 2E-05$$

3. Check system loading rate on chart. Should be less than value.

5. ROCK VOLUME

K. Rock depth below distribution pipe plus 0.5 foot times bottom area:

$$= (\text{Rock depth} + 0.5 \text{ foot}) \times \text{Area (H, I, J, K, L)}$$

$$(\frac{0.5}{12} \text{ ft} + 0.5 \text{ ft}) \times 780.0 \text{ ft}^2 = 780 \text{ ft}^3$$

L. Volume in cubic yards = volume in cubic feet divided by 27

$$780 / 27 = \text{cubic yards} \quad \frac{780}{27} = 29 \text{ yd}^3 \quad \text{EZ Flow aggregate}$$

M. Weight of rock in tons = cubic yards times 1.4

$$29 \text{ yd}^3 \times 1.4 = \text{tons} \quad 29 \times 1.4 = 40.6 \text{ tons}$$

6. SYSTEM LENGTH

N. Select width = 12 ft

O. Divide bottom area by width: (H, I) divided by N = lineal feet

$$\frac{780.0 \text{ ft}^2}{12 \text{ ft}} = 65 \text{ lineal feet}$$

7. LAYOUT

Select an appropriate scale; one inch = 30 feet

Show pertinent property boundaries, rights-of-way, easements.

Show location of house, garage, driveway, and all other improvements, existing or proposed.

Show location and layout of sewage treatment system, well and dimensions of all elevations, setbacks and separation distances.

8. SYSTEM LLR

P. Draw a line downhill though soil treatment system drawn in layout.

How many trenches does it cross? Add their widths together.

width 1 + width 2 + width 3 +

$$\frac{12 \text{ ft}}{12 \text{ ft}} + \frac{\text{ft}}{\text{ft}} + \frac{\text{ft}}{\text{ft}} + \text{ft} = 12 \text{ ft}$$

Q. Divide total trench width (P) by SSF (F) = gallons per foot

$$\frac{12 \text{ ft}}{1.67 \text{ ft}^2/\text{gpd}} = 7.2 \text{ gal/ft (Should be < 12 gallons per foot)}$$

number of bedrooms	Class I	Class II	Class III	Class IV
2	300	225	180	60%
3	450	300	218	of the
4	600	375	256	values
5	750	450	294	in the
6	900	525	332	Class I,
7	1050	600	370	II, or III
8	1200	675	408	columns.

Number of Bedrooms	Minimum Liquid Capacity	Liquid capacity with garbage disposal	Liquid capacity with disposal & lift inside
2 or less	750	1125	1500
3 or 4	1000	1500	2000
5 or 6	1500	2250	3000
7, 8 or 9	2000	3000	4000

Downsizing Chart

Percolation Rate in Minutes per inch (MPI)	Soil Texture	Square feet per gallon per day	Organic loading pound per day per foot
Faster than 0.11 0.1 to 5	Coarse Sand	0.83	0.0020
	Medium Sand	0.83	0.0015
0.1 to 5 6 to 15 16 to 30 31 to 45	Loamy Sand	0.83	0.0012
	Fine Sand**	0.83	0.0011
	Sandy Loam	0.83	0.0010
	Loam	0.83	0.0010
46 to 60	Silt Loam	1.00	0.0007
	Silt	1.00	0.0006
61 to 120 Over 120	Clay Loam (CL)	1.10	0.0006
	Silty CL	1.10	0.0005
	Sandy CL	1.10	0.0005
Over 120	Clay	2.50	0.0005
	Clay	3.75	0.0003

* Soil too coarse for sewage treatment. Use systems for rapidly permeable soils.
 ** Soil having 50% or more of fine sand plus very fine sand.

Less Than 3 feet of Separation Chart

percolation rate in minutes per inch (MPI)	soil texture	square feet per gallon per day	gallons per day per square foot
faster than 0.11 0.1 to 5	Coarse sand	0.83	1.20
	Medium sand	0.83	1.20
0.1 to 5 6 to 15 16 to 30 31 to 45	Loamy sand	1.67	0.60
	sandy loam	1.67	0.70
	loam	1.67	0.60
	silt loam	2.00	0.50
46 to 90	Silt	2.20	0.45
	Clay loam	2.20	0.45
over 91***	Sandy clay	2.20	0.45
	Silty clay	2.20	0.45
	Clay	2.20	0.45
	Sandy clay	2.20	0.45

* Soil too coarse for sewage treatment. Use systems for rapidly permeable soils.
 ** Soil having 50% or more of fine sand plus very fine sand.
 *** Soil with too high a percentage of clay for installation of a standard in-ground system.

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7/16/04 (date)

DOSING CHAMBER SIZING

Brannan dose to pressure bed

All boxed rectangles must be entered, the rest will be calculated.

1. Determine area

A. Rectangle area = $L \times W$

ft x ft = 0 ft²

B. Circle area = $3.14 \times \text{radius}^2$

3.14 x ² ft = 0.0 ft²

C. Get area from manufacture ft²

2. Calculate gallons per inch

There are 7.5 gallons per cubic foot of volume, therefore multiply the area (1A, B or C) times the conversion factor and divide by 12 inches per foot to calculate gallon per inch.

Surface area x 7.5 / 12 = 0 ft² x 7.5 / 12in/ft = 0 gallon per inch

3. Calculate total tank volume

A. Depth from bottom of inlet pipe to tank bottom = in

B. Total tank volume = depth from bottom of inlet pipe to tank bottom(3A) x gal/in(2)

= 0 in x 0 gal/in = 0.0 gallons

4. Calculate gallons to cover pump (with 2-3 inches of water covering pump)

(Pump and block height + 2 inches) x gallon per inch

(14 + 2 in) x 17 gal/in = 272.0 gallons

5. Calculate total pumpout volume

A. Select pump size for 4-5 doses per day. Gallon per dose = gpd (see Figure A-1) / doses per day =

450 gpd / 5 doses/day = 90 gallons

B. Calculate drainback

1. Determine total pipe length 10.0 ft

2. Determine liquid volume of pipe, 0.17 gal/ft (see figure E-20)

3. Drainback quantity = 10.0 ft (5B1) x 0.17 gal/ft(5B2) = 1.7 v

C. Total pump out volume = dose volume(5A) + drainback (5B3)

90 gallons + 1.7 gallons = 91.7

6. Calculate float separation distance (using total pumpout volume)

Total pumpout volume(5C) / gal/inch(2)

91.7 gal / 17 gal/in = 5.4 inch

7. Calculate volume for alarm (typically 2 - 3 inches)

Alarm depth (inch) x gallon/inch(2) = 3 in x 17 gal/in = 51 gal

8. Calculate total gallons = gallons over pump(4) + gallons pumpout(5C) + gallons alarm(7)

272.0 gal + 91.7 gal + 51 gal = 414.7 gal

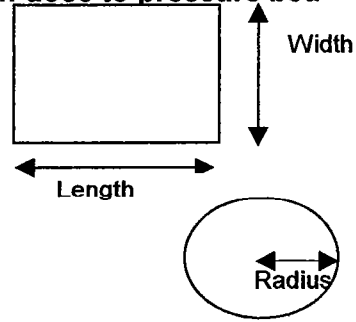
9. Total tank depth = total gallons(8) / gallon/in(2)

414.7 gallons / 17 gal/in = 24.4

Recommended

Calculate reserve capacity (75% of the daily flow)

Daily flow x 0.75 = 450 x 0.75 = 337.5 gallons



17 gallons per inch Bremix 650 gallon tank

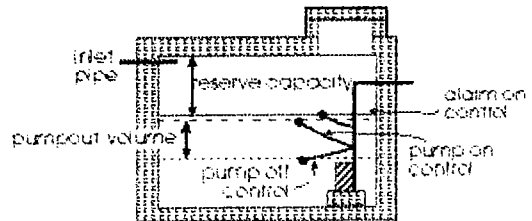
Legal Tank:
500 gallons or
100% the daily flow
or Alternating Pumps

A-1: Estimated Sewage Flows in Gallons per Day

number of bedrooms	Class I	Class II	Class III	Class IV
2	300	225	180	60%
3	450	300	218	of the
4	600	375	256	values
5	750	450	294	in the
6	900	525	332	Class I,
7	1050	600	370	II, or III
8	1200	675	408	columns.

E-20: Volume of Liquid in Pipe

Pipe Diameter inches	Gallons per foot
1	0.045
1.25	0.078
1.5	0.11
2	0.17
2.5	0.25
3	0.38
4	0.66



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 (signature)

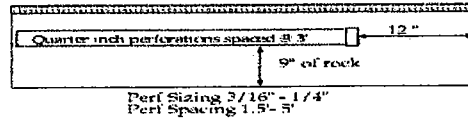
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PRESSURE DISTRIBUTION SYSTEM

BED Larry Brannan
Geotextile fabric

All boxed rectangles must be entered, the rest will be calculated.



1. Select number of perforated laterals:

2. Select perforation spacing = ft

3. Since perforations should not be placed closer than 1 foot to the edge of the rock layer (see diagram), subtract 2 feet from the rock layer length

- 2 ft = ft

4. Determine the number of spaces between perforations.

Divide the length (3) by perforation spacing (2) and round down to nearest whole number.

Perforation spacing = ft / ft = spaces

5. Number of perforations is equal to one plus the number of perforation spaces (4).

* Check figure E-4 to assure the number of perforations per lateral guarantees < 10% discharge variation.

spaces + 1 = perforations/lateral

6. A. Total number of perforations = perforations per lateral (5) times number of laterals (1).

perfs/ lat x laterals = perforations

B. Calculate the square footage per perforation.

Should be 6-10 sqft/perf. Does not apply to at-grades.

1. Rock bed area = rock width (ft) x rock length (ft)

ft x ft = ft²

2. Square foot per perforation = Rock Bed Area / number of perfs (6)

ft² / perfs = ft²/ perf

7. Determine required flow rate by multiplying the total number of perforations(6A) by flow per perforations (see figure E-6)

perfs x gpm / perfs = gpm

8. If laterals are connected to header pipe as shown in Figure E-1, to select minimum required lateral diameter; enter figure E-4 with perforation spacing (2) and number of perforations per lateral (5).

Select minimum diameter for perforated laterals = inches

9. If perforated lateral system is attached to manifold pipe near the center, like Figure E-2, perforated lateral length (3) and number of perforations per lateral (5) will be approximately one half of that in step 8. Using these values, select minimum diameter for perforated lateral = inches.

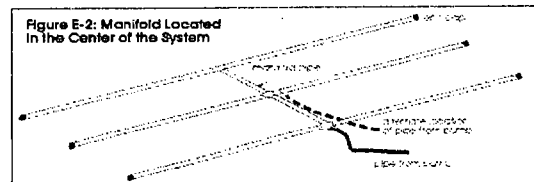
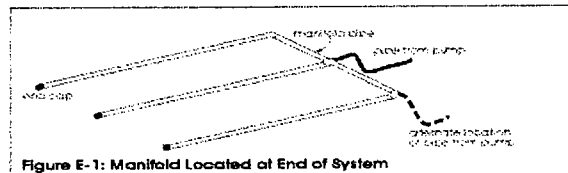
E-4: Maximum allowable number of 1/4-inch perforations per lateral to guarantee <10% discharge variation

perforation spacing (feet)	1 inch	1.25 inch	1.5 inch	2.0 inch
2.5	8	14	18	28
3.0	8	13	17	26
3.3	7	12	16	25
4.0	7	11	15	23
5.0	6	10	14	22

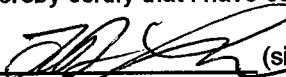
E-6: Perforation Discharge in gpm

head (feet)	perforation diameter (inches)			
	1/8	3/16	7/32	1/4
1.0 ^a	0.18	0.42	0.56	0.74
2.0 ^b	0.26	0.59	0.80	1.04
5.0	0.41	0.94	1.26	1.65

^a Use 1.0 foot for single-family homes
^b Use 2.0 feet for anything else.



I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

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9/12/04 (date)

PUMP SELECTION PROCEDURE

All boxed rectangles must be entered, the rest will be calculated.

DOSE TO FIELD
Brannan

1. Determine pump capacity:

A. Gravity Distribution

1. Minimum required discharge is 10 gpm
2. Maximum suggested discharge is 45 gpm

For other establishments at least 10% greater than the water supply rate, but no faster than the rate at which effluent will flow out of the distribution device.

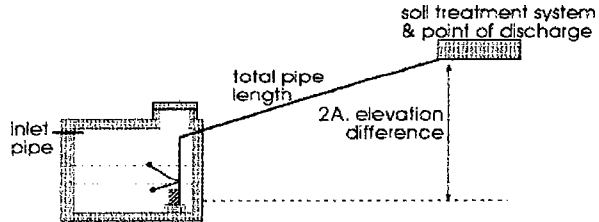
B. Pressure Distribution - see pressure design worksheet

Selected Pump Capacity: 42.6 gpm

2. Determine head requirements:

A. Elevation difference between pump and point of discharge.

5.5 feet



B. Special head requirement? (See Figure - Special Head Requirements)

5 feet

Special Head Requirements	
Gravity Distribution	0ft
Pressure Distribution	5ft

C. Friction loss

1. Select pipe diameter 2 in
2. Enter Figure E-9 with gpm (1A or B) and pipe diameter (C1)

Read friction loss in feet per 100 feet from Figure E-9

Friction loss = 3.28 ft/100 ft of pipe

3. Determine total pipe length from pump discharge to soil system discharge point

Estimate by adding 25 percent to pipe length for fitting loss.

Equivalent pipe length times 1.25 = total pipe length

10 ft x 1.25 = 12.5 feet

4. Calculate total friction loss by multiplying friction loss (C2)

by the equivalent pipe length (C3) and divide by 100.

FL = $\frac{3.28 \text{ ft/100ft} \times 12.5 \text{ ft}}{100} = 0.4$ feet

D. Total head requirement is the sum of elevation difference (A), special head requirements (B), and total friction loss (C4).

5.5 ft + 5 ft + 0.4 ft


Total Head: 10.9 feet

flow rate gpm	nominal pipe diameter		
	1.5"	2"	3"
20	2.47	0.73	0.11
25	3.73	1.11	0.16
30	5.23	1.55	0.23
35	6.96	2.06	0.30
40	8.91	2.64	0.39
45	11.07	3.28	0.48
50	13.46	3.99	0.58
55		4.76	0.70
60		5.60	0.82
65		6.48	0.95
70		7.44	1.09

3. Pump Selection

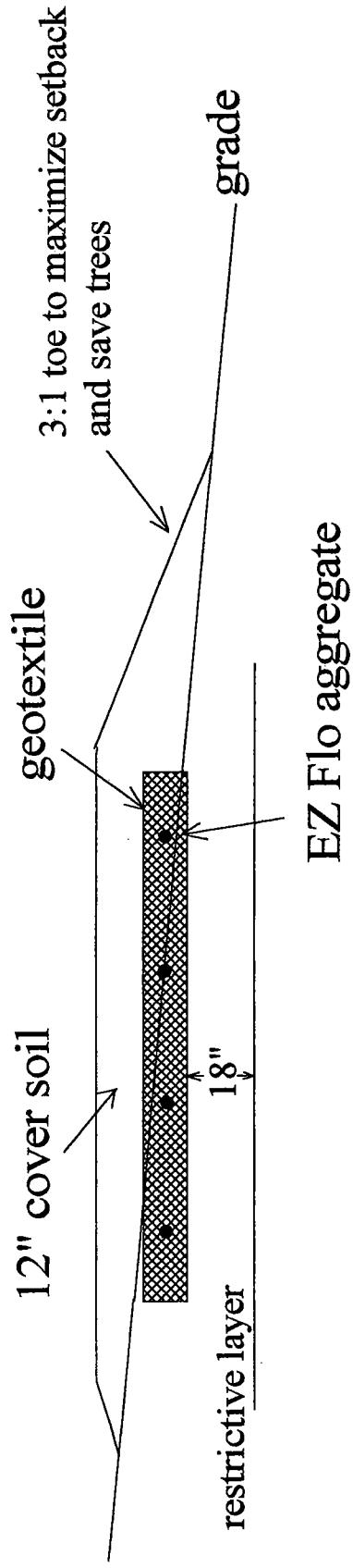
1. A pump must be selected to deliver at least 42.6 gpm (1A or B) with at least 10.9 feet of total head (2D).

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 (signature) 2624 (license #) 9/18/04 (date)

Larry Brannan

Cross Section



Soil Borings
Larry Brannan
42910 Daisy Street
Aitkin, MN 56431

B1	0-5"	loam	granular, friable	10YR 3/2
	5-13"	loam	granular, friable	10YR 3/3
	13-19"	sandy loam	granular, friable	10YR 5/4
	19-38"	sandy loam	blocky, friable	7.5YR 4/4
	mottled soil at 27"			
B2	0-8"	loam	granular, friable	10YR 3/2
	8-14"	loam	blocky, friable	10YR 3/3
	14-24"	sandy loam	blocky, friable	10YR 5/4
	mottled soil at 21"			
	24-30"	loam	blocky, somefriable	7.5YR 4/4
B3	0-8"	loam	granular, friable	10YR 3/2
	8-26"	sandy loam	blocky, friable	10YR 4/4
	mottled soil at 23"			
	26-32"	sand	single grain, loose	7.5YR 4/4
B4	0-8"	loam	granular, friable	10YR 3/2
	8-14"	loam	blocky, friable	10YR 3/3
	14-24"	sandy loam	blocky, friable	10YR 5/4
	rock resistance at 24"			

AITKIN COUNTY
CERTIFICATE OF COMPLIANCE/NOTICE OF NONCOMPLIANCE

This certificate of compliance/notice of noncompliance has been issued this 25 day of January 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: SESE
Less 9.88ac Plat # 27.74ac in Lake Doc 349183

Section 4 Township 46 Range 27 Lake Four Lake

PERMIT NO. 32328 Owner Name Larry Brannan

Address 42910 Daisy Street, Aitkin MN 56431

Installer Name Eric Larson

Type of System Inspected "Other" pressurized w/ aerobic treatment

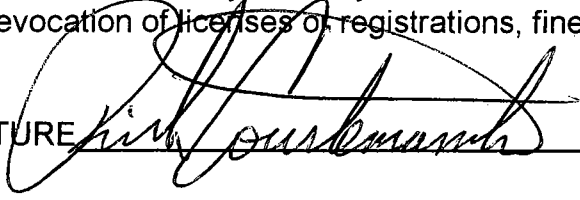
The certificate of compliance/notice of noncompliance was based on, No 1 of the following:

- 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 



Septic Check,™ Inc.
Septic System Management Services

RECEIVED JAN 25 2005

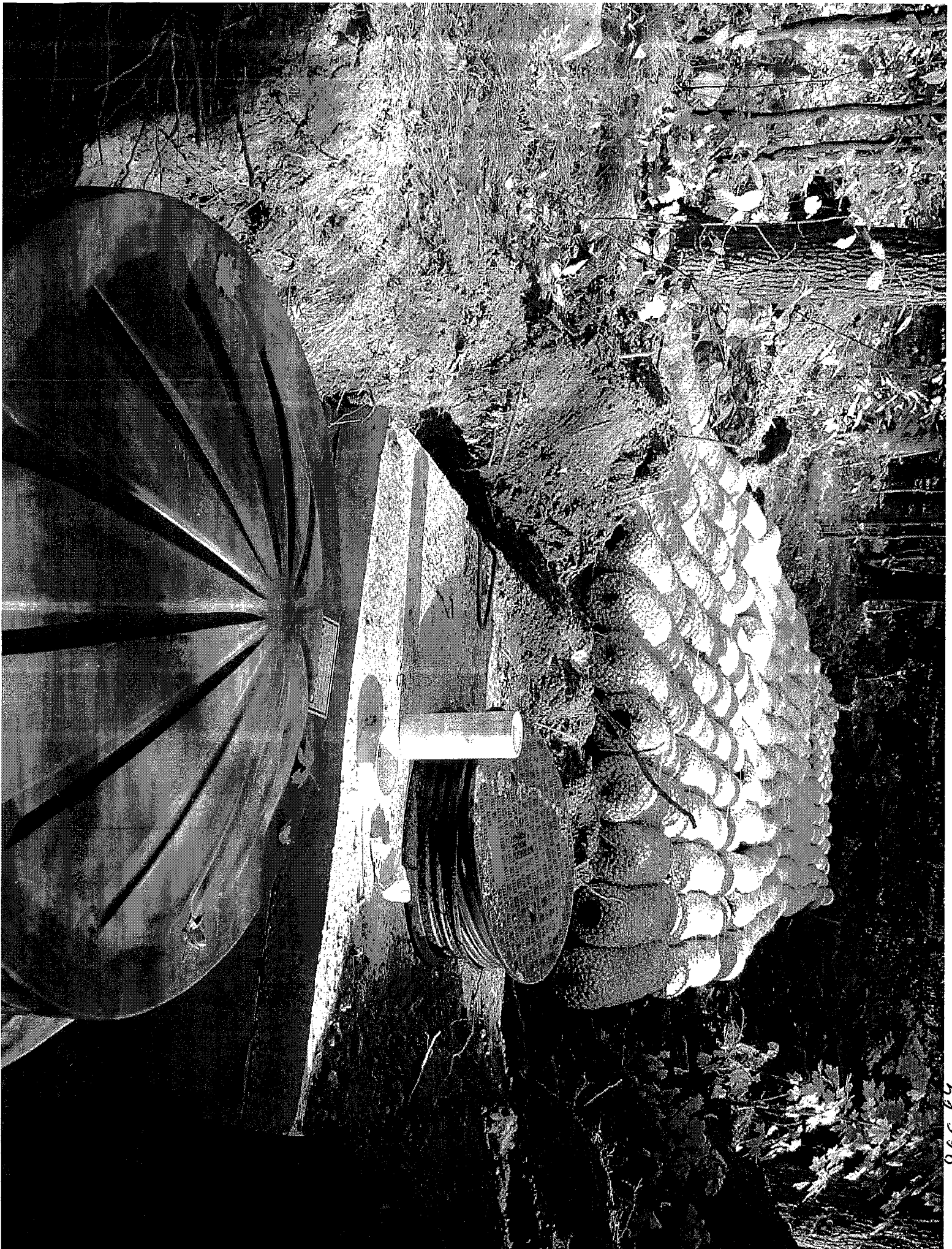
1-24-05

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

RE: PID 07-0-008400
Larry Brannan
42910 Daisy Street
Aitkin, MN 56431

Flow monitoring as required for the septic system on this parcel was installed 12-17-04.
Septic Check is monitoring water use as part of our maintenance of the system.

Eric Larson





37548

**INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM
AITKIN COUNTY, MINNESOTA**

Township Terry School Date of Inspection 10/8/04 Permit Number 32328
 Owner Jerry Brannan Parcel Number 07-0-08400

Project Address SE SE 1/4 less 9.88 acs Plat # 27.74 Ac Installer Septic Check Inc.
In Take Over 349183

City _____ Zip Code _____ New _____ Repair _____

SETBACKS:

Buildings to tank(s) 50'
 Buildings to drainfield 50'
 Well(s) 50' or 100' NA
 Lake/Creek/Wetland 100'

SEPTIC TANKS:

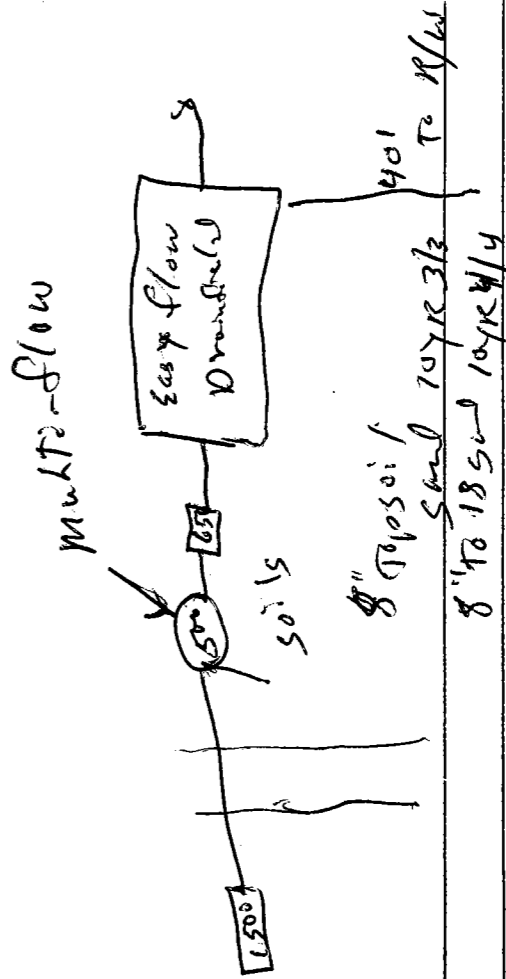
Liquid capacity 1500 Combo
 Manufacturer & type Bowley pre-cast
 Type of baffle plastic
 Inspection pipes 1-4'
 Manholes access 2
 No. & height of risers 4'-4'

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 _____

DRAWING OF SYSTEM

lake
New Home site



Inspector's Comments _____

Corrective Action Required _____

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



RECEIVED MAR 31 2005

Septic Check,™ Inc.

Septic System Management Services

1-9-05

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

RE: Operating Permit for Parcel # 07-0-008400

Larry Brannon
42910 Daisy Street
Aitkin, MN 56431

Parameter	Compliance Limit	Actual
Fecal Coliform	<1,000 CFU/100ml	40 CFU/100ml (5-23-05)
		550 CFU/100ml (1-4-05)
Daily Flow	450 GPD	153 GPD

Brian Koski
Lic 2624

Larry Brannon

Septic Check, Inc.

RECEIVED MAR 3 1 2006

Analysis Report

REPORT TO:
SEPTIC CHECK INC.

6549 KEYSTONE RD
MILACA MN 56353-

OWNER / LOCATION / SITE: BRANNON

January 10, 2006

INVOICE TO:
SEPTIC CHECK INC.

6549 KEYSTONE RD
MILACA MN 56353-

Date Sampled 1/4/2006
Time Sampled 11:15
Sample Type WW
Date Rcvd-Brnd: 1/4/2006
Time Rcvd-Brnd: 13:13
Sampled by: BRIAN KOSKI
Recv Temp: 3 C

ANALYSIS - TEST(s)
COMMENTS

Analyzed Value	Public Health Limit	Analysis Date Analysis Time	Analyst	Brainerd
----------------	---------------------	--------------------------------	---------	----------

FECAL COLIFORM, COLONIES/100 ML-C	550	200 Colonies	1/4/2006 15:30	SM	79028B
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Approved By: **Sara Ostrowski, Laboratory Director**

A.W. Research Laboratories 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 analyts for which certification is unavailable -NA.

RECEIVED MAR 31 2006

Analysis Report

REPORT TO:
SEPTIC CHECK INC.

6549 KEYSTONE RD
MILACA MN 56353-

OWNER / LOCATION / SITE: GRAB

June 06, 2005

INVOICE TO:
SEPTIC CHECK INC.

6549 KEYSTONE RD
MILACA MN 56353-

Date Sampled 5/23/2005
Time Sampled 12:30
Sample Type WASTEWATER
Date Rcvd-Brnd: 5/23/2005
Time Rcvd-Brnd: 14:45
Sampled by: BRIAN KOSKI
Recv Temp: 4 C

ANALYSIS - TEST(S)
COMMENTS

Analyzed Value Public Health Limit Analysis Date Analyst Brainerd Codes
Analysis Time

FECAL COLIFORM, COLONIES/100 ML-C	40	200 Colonies	5/23/2005 16:15	SK	74630B
BRANNON					

Approved By: Sara Ostrowski, Laboratory Director

A.W. Research Laboratories 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 analysis for which certification is unavailable -NA.

07-0-008400

Aitkin County Environmental Services Planning and Zoning
209 Second Street NW
Aitkin, MN 56431
Phone: 218-927-7342
Fax: 218-927-4372



August 28, 2006

MUEHLBERG, ODETE F
42910 DAISY ST
AITKIN MN 56431

Dear Ms. Muehlberg:

This letter is in regards to your septic system permit on parcel # 07-008400 with a legal description of SE SE LESS 9.88 ACS PLAT & 27.74 ACS IN LAKE DOC 367708.

Your septic system is considered an "other" septic system. It is not a standard septic system by Minnesota Pollution Control Agency standards. A 5-year operating permit renewal will now be required, instead of yearly \$50.00 operating permit. It will expire May 31, 2011.

If you have any questions about your septic system or about this operating permit, please contact our office or Septic Check. They are your MPCA licensed septic system designer.

Sincerely,

Missy Kingsley
Aitkin County Planning and Zoning

Encl.

AITKIN COUNTY ENVIRONMENTAL SERVICES

JUL 19 2011

**OPERATING PERMIT FOR WASTEWATER
TREATMENT AND DISPERSAL**

OPERATING PERMIT #: 182

FEE: 100

PERMITTEE: ODETE F MUEHLBERG

PHONE: (612) 720-1679

ADDRESS: 42910 Daisy Street
Aitkin, MN 56431-

ZONING PERMIT # 32328

PARCEL #: 07-0-008400

ISSUE DATE: 6/30/2011

RENEW DATE: 5/31/2012

LEGALDESCRIPTION: SE SE Less 9.88 acs Plat and 27.74 acs in Alake Doc 349183

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

7-18-11

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.

7/19/11 CK#5321, #100, dated 7/18/11 - receipt 119645 KK

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

Sewage flows from home via gravity to a 500 gallon end of a 1500 gal combination tank. This will serve as a trash trap. Effluent will then gravity flow to the 1000 gal tank for time dosing into a 500 gallon per day Multiflo Aerobic Treatment Plant. The Multiflo will gravity feed a 650 gallon pump tank. From that pump tank, effluent will dose into a 780 sq ft pressure bed. The bed will be built with EZ-Flow aggregate. Cost of const= \$12-13,000; Monthly cost of operation= \$10/mo; Monitoring cost=free first 2 yrs then \$150/yr. Testing= \$80/1st year then \$40/yr every 2 years. Life of system = 25-40 years.

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	<1,000 cfu/100 ml	Aerobic Tank Effluent	EVERY 5 YEARS	Grab	ANNUALLY
Flow	450 GPD	Water Meter	EVERY 5 YEARS	Measure in Field	ANNUALLY

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY
Aerobic Tank Function	Aerobic Tank	EVERY 6 MONTHS
Flow	Water Meter	EVERY 5 YEARS
Pumps, Floats & Alarms	Pump Chamber	EVERY 5 YEARS
Solids Removal & Water Tightness	Septic tank(s)	EVERY 5 YEARS
Surface Discharge	Dispersal System	EVERY 5 YEARS
Vegetative Cover	Dispersal System	EVERY 5 YEARS

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 Eric Larson

E. MITIGATION PLAN:

1) If weeping occurs; lower dosing rate, lower water usage, increase distribution and absorption area. 2) Waste strength, if fecals exceed limit, reduce effluent strength, increase retention time in ATU or add disinfection. 3) A different or another Performance or Other System may be installed at the owner's expense. 4) 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 ***

OP# 182
P# 32328

Kristi Kunz

From: Shelley Larson [info@septiccheck.com]
Sent: Tuesday, June 26, 2012 9:30 AM
To: kristi.kunz@co.aitkin.mn.us
Cc: brian@septiccheck.com
Subject: FW: 2012 OP Renewals
Attachments: Septic Check.xlsx

PID 07-0-008400

Kristi –

We have gotten 3 calls so far from customers that tested, reported, and renewed last year and have received letters that their permit has expired. Two of the three are on your list to renew in 2012. Our lists do not match.

In our records, these customers (on your list) renewed their 5 year permits last year: Gene Graham, Ryan Lamberg, Odete Muehlberg, Ray Massie, Don Roecker, Charles Jackson, Bob Grose.

How shall we proceed to straighten this out?

Shelley Larson



A Division of WEX Companies, Inc.
www.SepticCheck.com
6074 Keystone Road
Milaca, MN 56353
Phone: 320.983.2447
Cell: 320-983-6354
Fax: 320.983.2151
info@septiccheck.com

7.30.12 ok to move to 5yr per Pete.
Next renewal will be 2016.

Scan & attach
to the end of
P# 32328.

From: Brian Koski [mailto:brian@septiccheck.com]
Sent: Monday, June 25, 2012 6:59 AM
To: info@septiccheck.com
Subject: FW: 2012 OP Renewals

Brian Koski



A Division of WEX Companies, Inc.
www.SepticCheck.com
6074 Keystone Rd
Milaca, MN 56353
Phone: 320.983.2447
Cell: 218-428-0391
Fax: 320.983.2151
brian@septiccheck.com

From: Kristi Kunz [mailto:kristi.kunz@co.aitkin.mn.us]
Sent: Wednesday, June 13, 2012 9:12 AM
To: brian@septiccheck.com
Subject: 2012 OP Renewals

Good Morning Brian,

Attached is the list of 2012 Operating Permits that we show Septic Check maintains and are up for renewal this year. Let me know if you have any notes or water meter readings for them.

I was thinking about our conversation yesterday and I have another question for you...

Is your database able to print water meter readings for past years? The reason I'm asking is because you had mentioned yesterday that you didn't print the readings for all the permits, which isn't a problem unless they are up for renewal.

Example: One of the permits is on a 3 year renewal, so in 3 years we will require the water meter readings. If we haven't been receiving them yearly is there a way for you to provide us with the 3 years of readings at that time?

One of these years I will understand and organize the operating permits...baby steps!! Thanks for being so patient with me.

Kristi

This transmission (the e-mail and all attachments) is confidential and intended solely for the use of the addressee(s). If you have received this transmission in error, please notify the sender by reply and delete this transmission immediately. Any unauthorized distribution, or copying of this transmission, or misuse or wrongful disclosure of information contained in it, is strictly prohibited. The information contained in this document is provided on an as-is basis and does not constitute a binding legal contract or receipt for services.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2177 / Virus Database: 2433/5065 - Release Date: 06/12/12

6

OP# 182
P# 32328

2/17/2012

Septic Check, Inc.

6549 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
PARCEL (APN): 07-0-008400

Use: Residential, Single Family
System Design Flow: 450

Owner: Odete Muehlberg

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

Fold
Here

ONSITE SEWAGE SYSTEM INSPECTION REPORT

Fold
Here

Inspected: 06/03/2011 - Inspection Type: ROUTINE - Correction Status: No corrections needed

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

SERVICE INFORMATION

Company:
Septic Check, Inc.

Work Performed By:
Jared Deboer

Submitted 02/17/2012 by:
Greg Sokoloski

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
All required baffles in place (N/A = No baffles required):	N/A	
Effluent level within operational limits (if NO explain in comments)	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	
TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	
Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flow FTP-0.5 500 GPD Multi-Flo		
Manufacturer: Consolidated Treatment Systems Model: Multi-Flow FTP-0.5		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments)	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	YES	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	N/A	
Pumping recommended:	NO	
TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	36	
Pumping recommended:	YES	
Pump: Effluent Pump Primary Pump		
This component was:	Partially Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Partially Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12376	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Partially Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (Feet, if other specify):	N/A	
Ponding Present:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check, Inc.

6549 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

THIS REPORT HAS NOT YET BEEN LOCKED AND IS
SUBJECT TO FURTHER EDITING.

PROPERTY INFORMATION

Odete Muehlberg

Location: 42910 Daisy Street

Aitkin

PARCEL (APN): 07-0-008400

Use: Residential, Single Family
System Design Flow: 450

Owner: Odete Muehlberg

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

Fold
Here

ONSITE SEWAGE SYSTEM INSPECTION REPORT

Inspected: 11/15/2011 - Inspection Type: ROUTINE - Correction Status: Other - see comments

Fold
Here

COMMENTS & GENERAL INSPECTION NOTES

Deficiencies Noted: deficiencies must be corrected to ensure proper longevity of the Onsite Sewage System.

I could not open flash trap/primary pump tank. I will have necessary tools to get lid open during next service visit.

Pumping of effluent pump tank is recommended due to high solids/MLSS build up in pump tank. Large volumes of solids entering drainfield could cause premature drainfield failure.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:

Fully Inspected

Components accessible for service:

NO - See Comments

All required service performed (if no - specify omitted inspection items in notes):

YES

Surfacing effluent from any component (including mound seepage):

NO

Components appear to be watertight - no visual leaks:

YES

Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:

NO

SERVICE INFORMATION

Company:
Septic Check, Inc.

Work Performed By:
Greg Sokoloski

Greg Sokoloski

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
All required baffles in place (N/A = No baffles required):	YES	
Effluent level within operational limits (if NO explain in comments)	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	

Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flow FTP-0.5 500 GPD Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Multi-Flow FTP-0.5		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments)	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	YES	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	N/A	
Pumping recommended:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	

Pump: Effluent Pump Primary Pump

This component was:		Partially Inspected
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Pump: Effluent Pump Effluent Pump

This component was:		Partially Inspected
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Panel: Control - 2 Pumps Multi-Flo Panel

This component was:		Fully Inspected
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12259	
Pump 2: ETM hours (override in parentheses - if present):	N/A	

Drainfield: Pressure Bed 12' X 60' Pressure Bed

This component was:		Partially Inspected
Lateral lines flushed:	NO	
Average squirt height (if performed) (Feet, if other specify):	N/A	
Ponding Present:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

SAMPLING REPORT

2/17/2012

Location: 42910 Daisy Street
Aitkin
07-0-008400
Owner: Odete Muehberg
Use: Single Family

Service Company:
Septic Check, Inc.
6549 Keystone Rd
Milaca, MN 56353
320-983-2447
Laboratory: Septic Check

11/15/2011 sample entered by :Greg Sokoloski

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	50 GPD

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

07-0-008400
OP# 182
P# 32328

2/1/2013

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
PARCEL (APN): 07-0-008400

Use: Residential, Single Family
System Design Flow: 450

Owner: Odete Muehlberg

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

Fold
Here

ONSITE SEWAGE SYSTEM INSPECTION REPORT

Inspected: 11/16/2012 - Inspection Type: ROUTINE - Correction Status: Corrections In progress

Fold
Here

COMMENTS & GENERAL INSPECTION NOTES

Deficiencies Were Noted: Corrections are in progress.
The aerator alarm does not operate properly. This will be inspected further in the Spring of 2013.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

SERVICE INFORMATION

Company:
Septic Check

Work Performed By:
Dean Nelson

Submitted 02/01/2013 by:
Dean Nelson

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Fully Inspected	
All required baffles in place (N/A = No baffles required):	YES	
Effluent level within operational limits (if NO explain in comments)	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	5	
Pumping recommended:	NO	
TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	SKIM	
Compartment 1 Sludge accumulation (Inches, if other specify):	9	
Pumping recommended:	NO	
Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flow FTP-0.5 500 GPD Multi-Flo		
Manufacturer: Consolidated Treatment Systems Model: Multi-Flow FTP-0.5		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments)	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	YES	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES	
Pumping recommended:	NO	
TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Partially Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NO	
Pump: Effluent Pump Effluent Pump		
This component was:	Partially Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NO	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Partially Inspected	
Panel functioning (including alarm):	NO	In Progress
Pump 1: on minutes (override in parentheses - if present):	40 SEC	
Pump 1: off hours (override in parentheses - if present):	2 HRS	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12605	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Partially Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (Feet, if other specify):	N/A	
Ponding Present:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

SAMPLING REPORT

2/1/2013

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

11/16/2012 sample entered by :Dean Nelson

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	43.7 GPD

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

3 25 2012

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
PARCEL (APN): 07-0-008400
Use: Residential, Single Family
System Design Flow: 450
Owner: Odete Muehlberg

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

Fold
Here

ONSITE SEWAGE SYSTEM INSPECTION REPORT

Fold
Here

Inspected: 06/05/2012 - Inspection Type: ROUTINE - Correction Status: Other - see comments

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

The flow readings from november 2011 to june of 2012 are higher than average for the system. The event counter operation will be verified at the next service visit. The solids level in the septic tank and pump tank are above the capacity. It is recommended that the tanks be pumped. Please call Brian to schedule. 218-428-0391

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

SERVICE INFORMATION

Company: Septic Check	Work Performed By: Jared Deboer	Submitted 06/26/2012 by: Brian Koski
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This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
All required baffles in place (N/A = No baffles required):	YES	
Effluent level within operational limits (if NO explain in comments)	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	n/a	
Compartment 1 Sludge accumulation (Inches, if other specify):	n/a	
Pumping recommended:	YES	
TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	n/a	
Compartment 1 Sludge accumulation (Inches, if other specify):	n/a	
Pumping recommended:	NO	
Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flow FTP-0.5 500 GPD Multi-Flow		
Manufacturer: Consolidated Treatment Systems Model: Multi-Flow FTP-0.5		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments)	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	YES	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES	
Pumping recommended:	NO	
TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent		
Manufacturer: Local Manufacturer Model: Concrete		
This component was:	Partially Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	n/a	
Compartment 1 Sludge accumulation (Inches, if other specify):	n/a	
Pumping recommended:	YES	
Pump: Effluent Pump Primary Pump		
This component was:	Partially Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	n/a	
Pump: Effluent Pump Effluent Pump		
This component was:	Partially Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	n/a	
Panel: Control - 2 Pumps Multi-Flow Panel		
This component was:	Partially Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	n/a	
Pump 1: off hours (override in parentheses - if present):	n/a	
Pump 1: gallons per dose (override in parentheses - if present):	n/a	
Pump 1: ETM hours (override in parentheses - if present):	n/a	
Pump 1: Cycle Count (override in parentheses - if present):	n/a	
Pump 2: on minutes (override in parentheses - if present):	n/a	
Pump 2: off hours (override in parentheses - if present):	n/a	
Pump 2: gallons per dose (override in parentheses - if present):	n/a	
Pump 2: Cycle Count (override in parentheses - if present):	21453	
Pump 2: ETM hours (override in parentheses - if present):	n/a	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Partially Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (Feet, if other specify):	n/a	
Ponding Present:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

Renew
2016

DP 182
P 32328

7/23/2013

320-983-2447
Fax: 320-983-2151



Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res Maint 2 w Test 5 yr
Owner: Odete Muehlberg

Fold
Here

ONSITE SEWAGE SYSTEM INSPECTION REPORT

Fold
Here

Inspected: 05/31/2013 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Dean Nelson

Submitted 07/23/2013 by:
Ann Flann

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

Gobels' was contacted to pump all tanks. The trash tank lid was uncovered by Gobels' and the tank was pumped. The control board was replaced and system is operating properly. Drawdown was completed on the drainfield pump tank.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	N/A
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A
Pumping recommended:	YES

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	12
Pumping recommended:	NO

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments)	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	YES	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES	
Pumping recommended:	YES	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	

Pump: Effluent Pump Primary Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Pump: Effluent Pump Effluent Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	yes	

Panel: Control - 2 Pumps Multi-Flo Panel

This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12636	
Pump 2: ETM hours (override in parentheses - if present):	N/A	

Drainfield: Pressure Bed 12' X 60' Pressure Bed

This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (Feet, if other specify):	N/A	
Ponding Present? If YES explain in comments:	NO	

Septic Check6074 Keystone Rd
Milaca, MN 56353320-983-2447
Fax: 320-983-2151Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431**PROPERTY INFORMATION**Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Owner: Odete Muehlberg

Fold
Here**ONSITE SEWAGE SYSTEM INSPECTION REPORT**

Inspected: 11/19/2013 - Inspection Type: ROUTINE - Correction Status: No corrections made

Company:
Septic CheckWork Performed By:
Scott ShelitoSubmitted 12/20/2013 by:
Ann FlannFold
Here**COMMENTS & GENERAL INSPECTION NOTES***Deficiencies Noted: deficiencies must be corrected to ensure proper longevity of the Onsite Sewage System.*

Trash tank lid frozen shut and under grade; Scott could not open.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	NO - Deficient
All required service performed (if no - specify omitted inspection items in notes):	NO - Deficient
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover, or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL**TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank**

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	N/A
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0"
Compartment 1 Sludge accumulation (Inches, if other specify):	6"
Pumping recommended:	NO

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	N/A	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES	
Pumping recommended:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0"	
Compartment 1 Sludge accumulation (Inches, if other specify):	0"	
Pumping recommended:	NO	

Pump: Effluent Pump Primary Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Pump: Effluent Pump Effluent Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Panel: Control - 2 Pumps Multi-Flo Panel

This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	40 sec	
Pump 2: off hours (override in parentheses - if present):	1.9 hours	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12698	
Pump 2: ETM hours (override in parentheses - if present):	N/A	

Drainfield: Pressure Bed 12' X 60' Pressure Bed

This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

12/20/2013

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

11/19/2013 sample entered by :Ann Flann

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	26.7

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

Op # 182

2016 renewal

6074 Keystone Rd
Milaca, MN 56353

320-983-2447

Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Owner: Odete Muehlberg

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 09/22/2014 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Scott Shelito

Submitted 11/05/2014 by:
Angie Stafford

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	2
Compartment 1 Sludge accumulation (Inches, if other specify):	7
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	6
Pumping recommended:	NO

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	N/A	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES	
Pumping recommended:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	

Pump: Effluent Pump Primary Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Pump: Effluent Pump Effluent Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Panel: Control - 2 Pumps Multi-Flo Panel

This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	40 sec	
Pump 1: off hours (override in parentheses - if present):	2 hrs	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12852	
Pump 2: ETM hours (override in parentheses - if present):	N/A	

Drainfield: Pressure Bed 12' X 60' Pressure Bed

This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

Septic Check6074 Keystone Rd
Milaca, MN 56353320-983-2447
Fax: 320-983-2151**PROPERTY INFORMATION**Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr
Owner: Odete MuehlbergMail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431Fold
HereFold
Here**ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT**

Inspected: 06/26/2014 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic CheckWork Performed By:
Scott ShelitoSubmitted 10/07/2014 by:
Angie Stafford**COMMENTS & GENERAL INSPECTION NOTES**

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS**ONSITE SEWAGE SYSTEM INSPECTION DETAIL****TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank**

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
All required baffles in place (N/A = No baffles required):	YES	
Effluent level within operational limits (if NO explain in comments):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	

Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES	
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	N/A	
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES	
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES	
Pumping recommended:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	N/A	
Compartment 1 Sludge accumulation (Inches, if other specify):	N/A	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	40 sec	
Pump 1: off hours (override in parentheses - if present):	2 hrs	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12805	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
209 Second Street, NW Room# 100
Aitkin, Minnesota 56431

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



4/20/2016

ODETE F MUEHLBERG
42910 Daisy Street
Aitkin, MN 56431-

Re: Operating Permit # 182
Zoning Permit # 32328
Parcel # 07-0-008400

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 5/31/2021 .

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,

A handwritten signature in black ink that reads "Kalea J." in a cursive style.

Aitkin County Planning & Zoning

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

209 Second Street, NW Room# 100

Aitkin, Minnesota 56431

PH: (218) 927-7342

FX: (218) 927-4372



*4/5/16 gave to
Pete to renew*

3/17/2016

ODETE F MUEHLBERG
42910 Daisy Street
Aitkin, MN 56431-

Re: Operating Permit # 182
Zoning Permit #32328
Parcel ID#07-0-008400

septic check 5 yr

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above mentioned parcel is due for renewal this year. The enclosed Operating Permit was issued as part of the permit for your septic system and must be renewed.

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

- the signed Operating Permit Contract
- the \$100 permit renewal fee
- the results of performance and maintenance activities
- a table of your water usage

*Sent letter -
need for next renewal*

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

If your designer finds the system is operating in conformance with the Operating Permit, please have him/her submit a letter requesting to have the Operating Permit renewed for a longer period or to request terminating the Operating Permit. Our Office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the Operating Permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. In addition, failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County's Subsurface Sewage Treatment System Ordinance and could be prosecuted by the County Attorney's Office.

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

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

Sincerely,

Aitkin County Planning & Zoning

**Aitkin County Environmental Services
Planning and Zoning
209 Second Street NW
Room 100
Aitkin, MN 56431
Phone: 218-927-7342
Fax: 218-927-4372**



March 31, 2016

MUEHLBERG, ODETE
42910 DAISY ST
AITKIN MN 56431

Re: Operating Permit # 182
Zoning Permit # 32328
Parcel # 07-0-008400

Dear Permittee:

Thank you for submitting your signed operating permit renewal, \$100 renewal fee and monitoring and maintenance. According to our records, we did not receive a table of your water usage. The State of Minnesota requires that a water meter or other flow measuring device be installed and the results recorded by the homeowner on a regular basis. **If you have not been recording your water usage, please start a log now to be submitted at your next renewal to remain in compliance.**

If you have any questions or need additional help, contact us at (218) 927-7342.

Sincerely,

Kalea S.

Planning and Zoning
Environmental Services

MAR 30 2016

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

ISSUANCE DATE: 5 /31/2016
RENEWAL PERIOD: 5 YEAR

OPERATING PERMIT #: 182
ZONING PERMIT #: 32328
PARCEL #: 07-0-008400

PERMITTEE: ODETE F MUEHLBERG

TELEPHONE: (612) 720-1679

MAILING ADDRESS:
42910 Daisy Street
Aitkin, MN 56431-

PROPERTY ADDRESS:
42910 Daisy St.
Aitkin, MN 56431

LEGAL DESCRIPTION: SE SE Less 9.88 acs Plat and 27.74 acs in Alake Do

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.

Odete Muehlberg
Signature of Permittee

3-28-16
Date

Kalea J
Signature of Permitting Authority

3/30/16
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.

3/30/16 \$100
CK 5700
IPT 928735

Septic Check

6074 Keystone Rd
Milaca, MN 56353

4/17/2015
320-983-2447
Fax: 320-983-2151

OP 182
P# 32328

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION
Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400
Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr
Owner: Odete Muehlberg

Fold Here

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 04/14/2015 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Torrey Boser

Submitted 04/17/2015 by:
Angie Stafford

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

Septic Check recommends that the manhole covers are brought up six inches, so they are to grade.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	1"
Compartment 1 Sludge accumulation (Inches, if other specify):	8"
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	4"
Pumping recommended:	NO

Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Effluent level within operational limits (if NO explain in comments):	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	YES
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	12936	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Owner: Odete Muehlberg

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 10/29/2015 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Torrey Boser

Submitted 11/05/2015 by:
Angie Stafford

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

The manhole covers need to be brought up to grade, so they do not get covered by sand, and are more accessible for maintenance.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	6"
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	4"
Pumping recommended:	NO

Aerobic Treatment Unit: ATU, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Multi-Flo

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Effluent level within operational limits (if NO explain in comments):	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
ATU serviced per manufacturers requirements including cleaning of applicable filter(s):	YES
Trash Compartment solids accumulation within operational limits per manufacturer (n/a = no trash compartment):	YES
Aerobic Chamber solids accumulation within manufacturer operational limits (n/a = no aerobic chamber):	YES
Clarifying Chamber solids accumulation within manufacturer operational limits (n/a = no clarifying chamber):	YES
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	4 MIN	
Pump 1: off hours (override in parentheses - if present):	2 HRS	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	13034	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

Sewage flows from home via gravity to a 500 gallon end of a 1500 gal combination tank. This will serve as a trash trap. Effluent will then gravity flow to the 1000 gal tank for time dosing into a 500 gallon per day Multiflo Aerobic Treatment Plant. The Multiflo will gravity feed a 650 gallon pump tank. From that pump tank, effluent will dose into a 780 sq ft pressure bed. The bed will be built with EZ-Flow aggregate. Cost of const= \$12-13,000; Monthly cost of operation= \$10/mo; Monitoring cost=free first 2 yrs then \$150/yr. Testing= \$80/1st year then \$40/yr every 2 years. Life of system = 25-40 years.

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
Flow	450 GPD	Water Meter	EVERY 5 YEARS	Measure in Field	ANNUALLY
Fecal Coliform	<1,000 cfu/100 ml	Aerobic Tank Effluent	EVERY 5 YEARS	Grab	ANNUALLY

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY
Aerobic Tank Function	Aerobic Tank	EVERY 6 MONTHS
Flow	Water Meter	EVERY 5 YEARS
Pumps, Floats & Alarms	Pump Chamber	EVERY 5 YEARS
Solids Removal & Water Tightness	Septic tank(s)	EVERY 5 YEARS
Surface Discharge	Dispersal System	EVERY 5 YEARS
Vegetative Cover	Dispersal System	EVERY 5 YEARS

D. MONITORING AND REPORTING REQUIREMENTS:

Monitoring results obtained during each calendar year shall be submitted no later than May 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 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 performed by: Brian Koski

E. MITIGATION PLAN:

1) If weeping occurs; lower dosing rate, lower water usage, increase distribution and absorption area. 2) Waste strength, if fecals exceed limit, reduce effluent strength, increase retention time in ATU or add disinfection. 3) A different or another Performance or Other System may be installed at the owner's expense. 4) 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.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

5/12/2016

320-983-2447
Fax: 320-983-2151

P 32328
OP 182

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Owner: Odete Muehlberg

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 05/02/2016 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Torrey Boser

Submitted 05/12/2016 by:
Angie Stafford

Fold Here

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	4"
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	2
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	YES
Previous signs of foaming overflow noted on Weir Plate:	NO
Filter Socks cleaned:	YES
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	4 MIN	
Pump 2: off hours (override in parentheses - if present):	2 HRS	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	13133	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	YES	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

SAMPLING REPORT

8/10/2016

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:**Septic Check**

6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Laboratory: A.W. Research Laboratories**06/27/2016 sample entered by :Angie Stafford**

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	23.6
Pump Tank 650 Gallon Effluent	Effluent	Fecal	1000 cfu/100l	100

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr
Owner: Odete Muehlberg

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 11/11/2016 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Brian Koski

Submitted 11/23/2016 by:
Angie Stafford

Fold Here

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	
Components accessible for service:	Fully Inspected
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	YES
Components appear to be watertight - no visual leaks:	NO
Improper encroachment (structures/imperious surfaces); cover; or settling problems observed:	YES
	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank
Manufacturer: Local Manufacturer Model: Concrete

This component was:	
All required baffles in place (N/A = No baffles required):	Fully Inspected
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	YES
Compartment 1 Sludge accumulation (Inches, if other specify):	2"
Pumping recommended:	12"
	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon
Manufacturer: Local Manufacturer Model: Concrete

This component was:	
Compartment 1 Scum accumulation (Inches, if other specify):	Fully Inspected
Compartment 1 Sludge accumulation (Inches, if other specify):	0
Pumping recommended:	0
	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	
Unit alarms functioning:	Fully Inspected
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	YES
Previous signs of foaming overflow noted on Weir Plate:	NO
Filter Socks cleaned:	NO
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent
Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	40 SEC	
Pump 1: off hours (override in parentheses - if present):	2 HRS	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	13289	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	N/A	
Drainfield: Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Current Resident
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Fold Here

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 09/29/2017 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company: Septic Check
Work Performed By: Blesener Dave
Submitted 11/02/2017 by: Angie Tvedt

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	10"
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	2"
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	NO
Filter Socks cleaned:	NO
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1"	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	0.75 MIN	
Pump 1: off hours (override in parentheses - if present):	1 HRS	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	13471	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

Renew 2021

P 32328

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Mail To: Current Resident
42910 Daisy Street
Aitkin, MN
56431

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 06/08/2017 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Blesener Dave

Submitted 06/21/2017 by:
Angie Tvedt

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

While I was onsite for the site inspection I noticed the primary pump tank was starting to back up, I pulled out the pump and cleaned it off and then reinstalled it and it started to pump again. I also noticed in the drainfield inspection pipe there was about 2 inches of standing water.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	10"
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	3"
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	YES
Filter Socks cleaned:	NO
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent**Manufacturer: Local Manufacturer Model: Concrete**

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1"	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	0.75 MIN	
Pump 1: off hours (override in parentheses - if present):	1 HRS	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	13404	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

Septic Check6074 Keystone Rd
Milaca, MN 56353320-983-2447
Fax: 320-983-2151Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431**PROPERTY INFORMATION**Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yrFold
HereFold
Here**ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT**

Inspected: 04/27/2018 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic CheckWork Performed By:
Blesener DaveSubmitted 05/15/2018 by:
Angie Tvedt**COMMENTS & GENERAL INSPECTION NOTES**

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL**TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank**

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	16"
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	4"
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	NO
Filter Socks cleaned:	YES
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	0.6 MIN	
Pump 1: off hours (override in parentheses - if present):	1 HRS	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	13592	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

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ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 09/24/2018 - Inspection Type: ROUTINE - Correction Status: Corrections in progress

Company: Septic Check
Work Performed By: Blesener Dave
Submitted 10/03/2018 by: Angle Tvedt

COMMENTS & GENERAL INSPECTION NOTES

Deficiencies Were Noted: Corrections are in progress.

I recommend to have the entire system pumped out. I talked with Odete and she is going to call Gobels and have them come and pump the system out.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	4"
Compartment 1 Sludge accumulation (Inches, if other specify):	14"
Pumping recommended:	YES

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	8"
Pumping recommended:	YES

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	NO
Filter Socks cleaned:	YES
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	YES
Pumping needed:	YES

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	8"	
Pumping recommended:	YES	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	0.75 MIN	
Pump 1: off hours (override in parentheses - if present):	1 HRS	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	13669	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

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Here

Fold
Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 05/24/2019 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Blesener Dave

Submitted 06/26/2019 by:
Abbie Gobel

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	8	
Pumping recommended:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Unit alarms functioning:	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
Impeller assembly removed and cleaned:	NO	
Previous signs of foaming overflow noted on Weir Plate:	NO	
Filter Socks cleaned:	YES	
Filter Socks were partially changed out:	NO	
Filter Socks were completely changed out:	NO	
Gaskets on Surge Bowl need replacing:	NO	
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO	
Pumping needed:	NO	

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi-Flø Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	.6 Minutes	
Pump 1: off hours (override in parentheses - if present):	1 Hour	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	13827	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

12/27/2019

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 10/11/2019 Sample entered by: Heather Johnson Report submitted: 12/05/2019

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	51.3

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 10/11/2019 - Inspection Type: ROUTINE - Correction Status: No corrections made

Company:
Septic Check

Work Performed By:
Chris King

Submitted 10/23/2019 by:
Abbie Gobel

Fold Here

COMMENTS & GENERAL INSPECTION NOTES

Deficiencies Noted: deficiencies must be corrected to ensure proper longevity of the Onsite Sewage System.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover, or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	2	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	YES	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	YES	

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Unit alarms functioning:	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
Impeller assembly removed and cleaned:	NO	
Previous signs of foaming overflow noted on Weir Plate:	NO	
Filter Socks cleaned:	YES	
Filter Socks were partially changed out:	NO	
Filter Socks were completely changed out:	NO	
Gaskets on Surge Bowl need replacing:	NO	
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO	
Pumping needed:	YES	Deficient

TANK: Pump Tank, Manufacturer: Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	YES	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Multi Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	4 Minutes	
Pump 1: off hours (override in parentheses - if present):	1 Hour	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	13925	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	YES	
Average squirt height (if performed) (feet, if other specify):	N/A	
Ponding present? If YES explain in comments:	NO	

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Fold Here

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 05/18/2020 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Blesener Dave

Submitted 05/20/2020 by:
Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	8
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	3
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	NO
Filter Socks cleaned:	YES
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Panel: Control - 2 Pumps Multi-Flt Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	4	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	NA	
Pump 1: Cycle Count (override in parentheses - if present):	NA	
Pump 2: on minutes (override in parentheses - if present):	4	
Pump 2: off hours (override in parentheses - if present):	1	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	NA	
Pump 2: Cycle Count (override in parentheses - if present):	14075	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

5/20/2020

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 05/18/2020 Sample entered by: Heather Johnson Report submitted: 05/20/2020

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	52.2

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

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Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Fold
Here

Inspected: 10/13/2020 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Michael Pederson

Submitted 10/23/2020 by:
Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	2
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	1
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	YES
Filter Socks cleaned:	YES
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	4	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	NA	
Pump 1: Cycle Count (override in parentheses - if present):	NA	
Pump 2: on minutes (override in parentheses - if present):	4	
Pump 2: off hours (override in parentheses - if present):	1	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	NA	
Pump 2: Cycle Count (override in parentheses - if present):	14188	
Drainfield (Disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check

6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 10/13/2020 Sample entered by: Heather Johnson Report submitted: 10/23/2020

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	58.4

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second St NW Room# 219

Aitkin, Minnesota 56431

PH: (218) 927-7342

FX: (218) 927-4372



4/6/2021

ODETE F MUEHLBERG
42910 Daisy Street
Aitkin, MN 56431-

Re: Operating Permit # 182
Zoning Permit #32328
Parcel ID#07-0-008400

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above mentioned parcel is due for renewal this year by May 31st . The enclosed Operating Permit was issued as part of the permit for your septic system and must be renewed.

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

- 423-21 / the signed Operating Permit (enclosed)
- / \$150 permit renewal fee (\$200 fee after May 31st)
- ✓ the results of performance and maintenance activities
- ✓ a table of your water usage

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

If your designer finds the system is operating in conformance with the Operating Permit, please have him/her submit a letter requesting to have the Operating Permit renewed for a longer period or to request terminating the Operating Permit. Our Office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the Operating Permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. In addition, failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County's Subsurface Sewage Treatment System Ordinance and could be prosecuted by the County Attorney's Office.

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

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

Sincerely,

Aitkin County Planning & Zoning

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

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

OPERATING PERMIT # 182
ZONING PERMIT #: 32328
PARCEL #: 07-0-008400

PERMITTEE: ODETE F MUEHLBERG

TELEPHONE: (612) 720-1679

MAILING ADDRESS:
42910 Daisy Street
Aitkin, MN 56431-

PROPERTY ADDRESS:
42910 Daisy St.
Aitkin, MN 56431

LEGAL DESCRIPTION: SE SE Less 9.88 acs Plat and 27.74 acs in Alake Do

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.

Odete Muehlberg
Signature of Permittee

4-13-21
Date

Shannon W.
Signature of Permitting Authority

4-23-21
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.

Invoice #52305 (04/23/2021)

2. Zoning/Land Use Permit Applications Misc. (OFFICE USE ONLY) App. # App-2021-007167, UID # 202438

Odete Muehlberg

(612) 720-1679

42910 Daisy St, Aitkin, MN 56431

Aitkin County Planning & Zoning / Environmental Services

307 Second St. NW Room 219

Aitkin, MN 56431

Phone: 218-927-7342

Fax: 218-927-4372

Email: aitkinpz@co.aitkin.mn.us

Charge		Cost	Quantity	Total	Note
Operating Permit Renewal added 04/23/2021 2:03 PM \$150		\$150.00	x 1	\$150.00	
Grand Total				Total	\$150.00
Payment #47809					
Method:	Check		5875		
Date:	04/23/2021	Note:	OP 182 2021 renewal		
Made By:	Odete Muehlberg				
Confirmed By:	Shannon Westerlund				

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second Street, NW Room# 219

Aitkin, Minnesota 56431

PH: (218) 927-7342

FX: (218) 927-4372



4/23/2021

ODETE F MUEHLBERG

42910 Daisy Street

Aitkin, MN 56431

Re: Operating Permit # 182

Zoning Permit # 32328

Parcel # 07-0-008400

Dear Permittee:

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

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,

A handwritten signature in cursive script that reads "Shannon W.".

Aitkin County Planning & Zoning

Septic Check

32328

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 2 w test 5 yr

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ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 05/04/2021 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Michael Pederson

Submitted 05/06/2021 by:
Heather Johnson

Fold Here

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	9
Pumping recommended:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	2
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	YES
Filter Socks cleaned:	YES
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK - Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	.4	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	NA	
Pump 1: Cycle Count (override in parentheses - if present):	NA	
Pump 2: on minutes (override in parentheses - if present):	NA	
Pump 2: off hours (override in parentheses - if present):	NA	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	NA	
Pump 2: Cycle Count (override in parentheses - if present):	14331	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check

6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Laboratory: A W Labs

Sample Date: 05/04/2021 Sample entered by: Heather Johnson Report submitted: 06/02/2021

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	53.9
Pump Tank 650 Gallon Effluent	Effluent	Fecal	1000 cfu/100l	<100

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

SAMPLING REPORT

Location: 42910 Daisy Street

Aitkin

07-0-008400

Owner: Odete Muehlberg

Use: Single Family

Service Company:

Septic Check

6074 Keystone Rd

Milaca, MN 56353

320-983-2447

Laboratory: A W Labs

Sample Date: 11/12/2021 Sample entered by: Heather Johnson Report submitted: 11/22/2021

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	NA
Pump Tank 650 Gallon Effluent	Effluent	Fecal	1000 cfu/100l	75

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

32328

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 1 w test 5 yr

Fold
Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 08/20/2021 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Michael Pederson

Submitted 08/23/2021 by:
Heather Johnson

Fold
Here

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

Customer would like to change to a one time a year visit. The reason for the alarm was that the aerator was bad, so I replaced it with a new one with the customer's permission. Everything else looks good and is working properly.

*****WE WERE UNABLE TO SAMPLE AT THIS VISIT AS THE AERATOR WAS NOT WORKING, THE SAMPLE WOULD HAVE FAILED, WE WILL BE BACK TO SAMPLE.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/imperious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	0
Pumping recommended:	NO

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	7
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Unit alarms functioning:	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
Impeller assembly removed and cleaned:	NO	
Previous signs of foaming overflow noted on Weir Plate:	YES	
Filter Socks cleaned:	YES	
Filter Socks were partially changed out:	NO	
Filter Socks were completely changed out:	NO	
Gaskets on Surge Bowl need replacing:	NO	
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO	
Pumping needed:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	

Pump: Effluent Pump Primary Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	

Pump: Effluent Pump Effluent Pump

This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	

Panel: Control - 2 Pumps Multi-Flo Panel

This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	.40	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	NA	
Pump 1: Cycle Count (override in parentheses - if present):	NA	
Pump 2: on minutes (override in parentheses - if present):	NA	
Pump 2: off hours (override in parentheses - if present):	NA	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	NA	
Pump 2: Cycle Count (override in parentheses - if present):	14405	

Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed

This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	
Ponding present? If YES explain in comments:	NO	

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Odete Muehlberg
Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400
Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 1 w test 5 yr

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 06/20/2022 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Michael Pederson

Submitted 06/27/2022 by:
Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	10	
Pumping recommended:	NO	

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
All required baffles in place (N/A = No baffles required):	YES	
Effluent level within operational limits (if NO explain in comments):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems -

Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected	
Unit alarms functioning:	YES	
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES	
Impeller assembly removed and cleaned:	NO	
Previous signs of foaming overflow noted on Weir Plate:	NO	
Filter Socks cleaned:	YES	
Filter Socks were partially changed out:	NO	
Filter Socks were completely changed out:	NO	
Gaskets on Surge Bowl need replacing:	NO	
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO	
Pumping needed:	NO	

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	40	
Pump 1: off hours (override in parentheses - if present):	1	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	NA	
Pump 1: Cycle Count (override in parentheses - if present):	NA	
Pump 2: on minutes (override in parentheses - if present):	NA	
Pump 2: off hours (override in parentheses - if present):	NA	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	NA	
Pump 2: Cycle Count (override in parentheses - if present):	14660	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 06/20/2022 Sample entered by: Heather Johnson Report submitted: 06/27/2022

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	64.2

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Odete Muehlberg
42910 Daisy Street
Aitkin, MN
56431

PROPERTY INFORMATION

Location: 42910 Daisy Street
Aitkin
Tax ID: 07-0-008400

Use: Residential, Single Family
System Design Flow: 450
GENERAL SYSTEM TYPE: MF Res 1 w test 5 yr

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 07/28/2023 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:
Septic Check

Work Performed By:
Kyle Wade

Submitted 08/01/2023 by:
Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

When I arrived I noticed moisture around the primary tank riser on the sw side of the driveway. That tank was in alarm. That pump and float were not plugged in to the junction box. I plugged in the pump and everything is working properly.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 1000 Gallon

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
Compartment 1 Scum accumulation (Inches, if other specify):	1
Compartment 1 Sludge accumulation (Inches, if other specify):	9
Pumping recommended:	NO

TANK: Trash Tank, Manufacturer= Local Manufacturer - Concrete 500 Gallon Primary Pump Tank

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected
All required baffles in place (N/A = No baffles required):	YES
Effluent level within operational limits (if NO explain in comments):	YES
Compartment 1 Scum accumulation (Inches, if other specify):	0
Compartment 1 Sludge accumulation (Inches, if other specify):	4
Pumping recommended:	NO

Aerobic Treatment Unit: ATU - Consolidated Treatment Systems - Multiflo, Manufacturer= Consolidated Treatment Systems - Multi-Flo FTP-0.5 500 GPD Mult

Manufacturer: Consolidated Treatment Systems Model: Multi-Flo FTP-0.5

This component was:	Fully Inspected
Unit alarms functioning:	YES
Aerobic Mechanism appears to be functioning per manufacturers specifications:	YES
Impeller assembly removed and cleaned:	NO
Previous signs of foaming overflow noted on Weir Plate:	NO
Filter Socks cleaned:	YES
Filter Socks were partially changed out:	NO
Filter Socks were completely changed out:	NO
Gaskets on Surge Bowl need replacing:	NO
Digester settleable solids test resulted in greater than 40% settleable solids: (If Yes, pumping needed)	NO
Pumping needed:	NO

TANK: Pump Tank, Manufacturer= Local Manufacturer - Concrete 650 Gallon Effluent

Manufacturer: Local Manufacturer Model: Concrete

This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
Pump: Effluent Pump Primary Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Effluent Pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Panel: Control - 2 Pumps Multi-Flo Panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	40 sec	
Pump 1: off hours (override in parentheses - if present):	2 hrs	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	-	
Pump 1: Cycle Count (override in parentheses - if present):	-	
Pump 2: on minutes (override in parentheses - if present):	-	
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	-	
Pump 2: Cycle Count (override in parentheses - if present):	14953	
Drainfield (disposal): Pressure Bed 12' X 60' Pressure Bed		
This component was:	Fully Inspected	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	-	
Ponding present? If YES explain in comments:	NO	

SAMPLING REPORT

Location: 42910 Daisy Street
Aitkin
07-0-008400

Owner: Odete Muehlberg
Use: Single Family

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 07/28/2023 Sample entered by: Heather Johnson Report submitted: 08/01/2023

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Effluent Pump Effluent Pump	Effluent	Flow	450 GPD	55.6

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.