



Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms – additional local requirements may also apply.

For local tracking purposes:

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

System Status

System status on date (mm/dd/yyyy): 5/30/2019

Compliant – Certificate of Compliance
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

Noncompliant – Notice of Noncompliance
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance (check all applicable)

- Impact on Public Health (Compliance Component #1) – Imminent threat to public health and safety
- Other Compliance Conditions (Compliance Component #3) – Imminent threat to public health and safety
- Tank Integrity (Compliance Component #2) – Failing to protect groundwater
- Other Compliance Conditions (Compliance Component #3) – Failing to protect groundwater
- Soil Separation (Compliance Component #4) – Failing to protect groundwater
- Operating permit/monitoring plan requirements (Compliance Component #5) – Noncompliant

Property Information

Parcel ID# or Sec/Twp/Range: 18-0-046000

Property address: 53511 Great River Rd. Palisade MN 56469 Reason for inspection: Permit

Property owner: Bebo Proerties III LLC. Owner's phone: _____

or

Owner's representative: Miller Const. (Dan Miller) Representative phone: (218) 820-4828

Local regulatory authority: Aitkin Co Regulatory authority phone: 218-927-7342

Brief system description: No House, Clean out gravity to septic tank pumped to 10'x25' rockbed mound

Comments or recommendations:

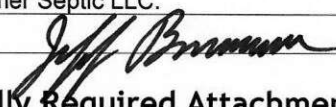
Owner plans future reuse of system. Septic tank has both baffles, no apaerent cracks or leaks, working level OK. Both inspection pipes raised to surface, both manholes raised to surface. Effluent filter at septic tank out-let 6" pipe. Pump cycles automatic with float, alarm does not work. Mound has 1.5" inspection pipe No evidence of ponding. No evidence of seepage or surfacing in mound area. No power supply to mound, Ran pump with generator.

Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

Inspector name: Jeff Brummer Certification number: C-3589

Business name: Brummer Septic LLC. License number: L-1347

Inspector signature:  Phone number: 218-821-0704

Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- Other information (list): Soil verification from 2012, List of recommendations to do before reuse of septic system

1. Impact on Public Health – Compliance component #1 of 5

Compliance criteria:

System discharges sewage to the ground surface.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Comments/Explanation:

Verification method(s):

- Searched for surface outlet
- Searched for seeping in yard/backup in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony (See Comments/Explanation)
- "Black soil" above soil dispersal system
- System requires "emergency" pumping
- Performed dye test
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, or leaching pit. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any "yes" answer above indicates the system is failing to protect groundwater.

Comments/Explanation:

No power to septic system at time of inspection, ran pump with generator.

Verification method(s):

- Probed tank(s) bottom
- Examined construction records
- Examined Tank Integrity Form (Attach)
- Observed liquid level below operating depth
- Examined empty (pumped) tanks(s)
- Probed outside tank(s) for "black soil"
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. Yes* No Unknown
- b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. Yes* No Unknown
***System is an imminent threat to public health and safety.**

Explain:

- c. System is non-protective of ground water for other conditions as determined by inspector. Yes* No
***System is failing to protect groundwater.**

Explain:

4. Soil Separation – Compliance component #4 of 5

Date of installation: 2004 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Compliance criteria:

For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment: Yes No
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment: Yes No
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*

"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.2350 or 7080.2400 (Advanced Inspector License required) Yes No
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Any "no" answer above indicates the system is failing to protect groundwater.

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

- Conducted soil observation(s) (Attach boring logs)
- Two previous verifications (Attach boring logs)
- Not applicable (Holding tank(s), no drainfield)
- Unable to verify (See Comments/Explanation)
- Other (See Comments/Explanation)

Comments/Explanation:

This is 2nd soil verification on this system will include copy of 1st one.

Indicate depths or elevations

A. Bottom of distribution media	Elv. = 98'
B. Periodically saturated soil/bedrock	Elv. = 94.4'
C. System separation	36"
D. Required compliance separation*	36"

*May be reduced up to 15 percent if allowed by Local Ordinance.

5. Operating Permit and Nitrogen BMP* – Compliance component #5 of 5 Not applicable

Is the system operated under an Operating Permit? Yes No **If "yes", A below is required**

Is the system required to employ a Nitrogen BMP? Yes No **If "yes", B below is required**

BMP = Best Management Practice(s) specified in the system design

If the answer to both questions is "no", this section does not need to be completed.

Compliance criteria

- a. Operating Permit number: _____
Have the Operating Permit requirements been met? Yes No
- b. Is the required nitrogen BMP in place and properly functioning? Yes No

Any "no" answer indicates Noncompliance.

Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.

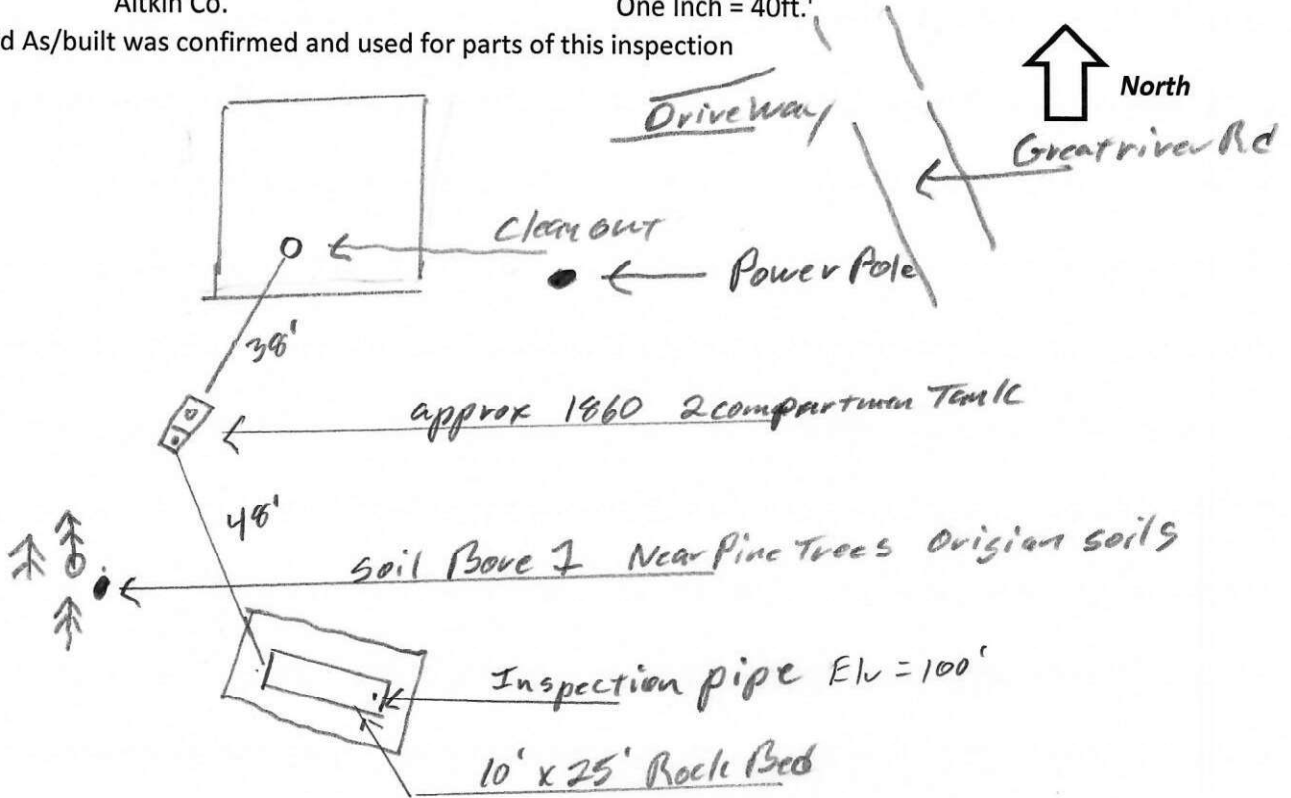
{ Inspection Drawing }

Property Owner: Bebo Properties III LLC. Date: 5/30/2019 Designer's Initials: JB
 Parcel ID. Number: 18-0-046000 Address: 53511 Great River Rd. Palisade MN 56469

Aitkin Co.

One Inch = 40ft.'

Drainfield As/built was confirmed and used for parts of this inspection



Elev. Of ground at Septic Tank = 96.7'

Inlet Septic Tank Elev. = 92.7'

Elev. Of ground at Pump Tank = 96.7'

Out 2" pipe Pump Tank Elev. = 94.9'

Pump Elev. = 90.2'

Elev. Of mound grade near Inspection Pipe of mound = 100'

Elev. Of bottom of rock bed Elev. = 98'

12" cover + 12" rock = 2 ft.

Bench Mark Elev. = 100' Top of mound near inspection pipe

Ground at well Elev. = No Well could be located, No house

SB - 1 Top of Ground Soil Boring Elev. = 96.7'

Depth (in.)	Texture	Color
0 - 8	Top Soil/loam	10YR3/3
8 - 22	Sandy Loam	10YR4/4
22 - 28	Sandy Loam	10YR5/4
28	Mottles	7.5YR5/6

94.4' Elev.

SB -	Top of Ground		Elev.
Depth (in.)	Texture	Color	

Please show all that apply (Existing)

Wells within 100ft. Of Drain field.

Water lines within 10 ft. of Drain field.

Drain field Areas:

Please Draw to Scale with North to Top or Left Side of Page:

Disturbed/Compacted Areas

Component Location

OHW ordinary high water

Lot Easements

Access Route for Tank Maintenance

Property Lines

Structures

Setbacks

SEPTIC INSPECTION SOIL BORING WORKSHEET

PROPERTY OWNER: EIP MINNESOTA LLC PARCEL# 18-0-046000 9/28/2012

TYPE OF DRAINFIELD: MOUND

	<u>(feet)</u>	=	<u>(inches)</u>
Top of Drainfield Elev. =	5' 3"	=	63
Depth to Bottom of Rock		+	24
Bottom of Rock Elev.		=	87

Soil Boring #1		
DEPTH (inches)	TEXTURE	COLOR
0 - 2	Top Soil	
2 - 26	Sand	10YR 5/4
26	Clay Loam MOTTLED	10YR 6/2

		<u>(inches)</u>
Ground Elevation	= 8' 3"	= 99
Soil Boring Depth/Restricting Layer		+ 26
Elevation to Restricting Layer		= 125
Less Bottom of Rock Elev.		- 87
Amount of Vertical Separation ***		= 38

***** THIS SYSTEM MEETS THE REQUIRED 3 FEET OF SEPARATION**

{ Inspection Notes }

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Recommendations to Owner and Installer at time of hook-up to system

This inspection is for a building permit and a future hook-up to reuse system (2 bedroom sized system).

At time of inspection the old house had been removed.

At time of inspection no well could be located.

Septic system is compliant, but not in well maintained condition. (pump cycles with float, alarm does not work)

Recommendations to fix before reuse of septic system

- 1 Raise manholes at least 12" and secure covers. Grade at tank is lower than surrounding area by 8"
- 2 Add fill to top of tank location and make area higher than surrounding area so water does not pond on top of tank.
- 3 Fix 6" inspection pipe that is access to the effluent filter.

Make sure there is a filter wrench that will reach filter for maintained reasons, need to be cleaned at least twice a year.

- 4 Fix electric alarm float and box on post, new post also, someone ran over post with a piece of equipment.
- 5 Install new power junction box on post for pump and pump float. Should be weather proof.



Detailed Parcel Report

Parcel Number: 18-0-046000

General Information

Township/City: LIBBY TWP
Taxpayer Name: BEBO PROPERTIES III LLC
Taxpayer Address: 1065 TONKAWA RD
ORONO MN 55356
Property Address: 53511 GREAT RIVER RD
Township: 50 Lake Number: 0
Range: 24 Lake Name:
Section: 27 Acres: 9.50
Green Acres: No School District: 1.00
Plat:
Brief Legal Description: E1/2 SW NW & PT SE NW LYING W OF CO RD 10 EXCEPT N866.50 FT DOC 373736

Tax Information

Class Code 1: Non-Homestead Qualifying Single Res Unit
Class Code 2: Unclassified
Class Code 3: Unclassified
Homestead: Non Homestead
Assessment Year: 2019

Estimated Land Value:	\$26,800.00
Estimated Building Value:	\$88,400.00
Estimated Total Value:	<u>\$115,200.00</u>
Prior Year Total Taxable Value:	\$109,000.00
Current Year Net Tax (Specials Not Included):	\$848.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$424.00
Delinquent Taxes:	No

* For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.

** Balance Due on a parcel does not include late payment penalties.