



171111000-2024

MINNESOTA POLLUTION CONTROL AGENCY

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

Compliance inspection report form Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions: Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 171111000 Reason for Inspection zoning permit
Local regulatory authority info: Becker County
Property address: 13597 E BIG CORMORANT RD, AUDUBON MN 56511
Owner/representative: Brett Larson Owner's phone: 218-457-1975
Brief system description: 1500-gallon 2-compartment septic tank to graveless pipe STA with dropboxes

System status

System status on date (mm/dd/yyyy): 5/14/2024

Compliant – Certificate of compliance*

(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)

***Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

Noncompliant – Notice of noncompliance

Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.

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 or under section 145A.04 subdivision 8.

Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

Comments or recommendations

1st (western-most) lateral had 11" effluent in the inspection pipe, the 2nd lateral had 4" of effluent in the inspection pipe.

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.

By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Business name: Cubed B LLC

Inspector signature: Brant B Bigger

(This document has been electronically signed)

Certification number: C1835

License number: L4142

Phone: 218-234-6906

Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list): Site Sketch

Property Address: 13597 E BIG CORMORANT RD, AUDUBON MN 56511

Business Name: Cubed B LLC

Date: 5/14/2024

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

Attached supporting documentation:

Other: _____
 Not applicable

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

Describe verification methods and results:

Visual inspection of the immediate area did not indicate any issues of a surface outlet, seeping in the yard, or backup in the home.

Property owner testified on 10 May 2024 that there were not any issues with the septic system.

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

Attached supporting documentation:

Empty tank(s) viewed by inspector
Name of maintenance business: Dewey's Septic
License number of maintenance business: L2884
Date of maintenance: 5/14/2024
 Existing tank integrity assessment (Attach)
Date of maintenance (mm/dd/yyyy): _____ (must be within three years)
(See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))
 Tank is Noncompliant (pumping not necessary – explain below)
 Other: _____

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

Describe verification methods and results:

Examined construction records and a solid tank was installed.

Visually inspected the interior of the tank with a camera. No cracks were observed. Septage level had been at the bottom of the tank outlet.

3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes* No Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety? Yes* No Unknown

*Yes to 3a or 3b - System is an imminent threat to public health and safety.

3c. System is non-protective of ground water for other conditions as determined by inspector?

Yes* No

3d. System not abandoned in accordance with Minn. R. 7080.2500?

Yes* No

*Yes to 3c or 3d - System is failing to protect groundwater.

Describe verification methods and results:

If there is a maintenance hole cover, it is below the soil surface.

Attached supporting documentation: Not applicable

4. Operating permit and nitrogen BMP* – Compliance component #4 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 specified in the system design? 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. 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.

Describe verification methods and results:

Attached supporting documentation: Operating permit (Attach)

5. Soil separation – Compliance component #5 of 5

Date of installation 11/6/1996 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Attached supporting documentation:

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Compliance criteria (select one):

5a. 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.

5b. 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.*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day) Yes No*
 Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Indicate depths or elevations

A. Bottom of distribution media	92' 9"
B. Periodically saturated soil/bedrock	93' 11"
C. System separation	0"
D. Required compliance separation*	32"

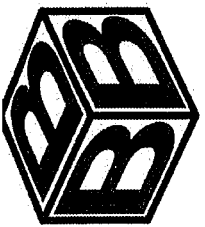
*May be reduced up to 15 percent if allowed by Local Ordinance.

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

Describe verification methods and results:

Conducted a soil boring (elevation 95' 7"). Redoximorphic features were found at 20" depth in the boring (elevation 93' 11")
 Benchmark elevation (100') is located at the threshold for the outbuilding's service door that is west of the STA.

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.



Cubed B LLC
SEPTIC SYSTEM DESIGN
& INSPECTION

BRANT B. BIGGER
Owner
13248 US Hwy 10
Lake Park, MN 56654
218-234-6906
brant.bigger@gmail.com
cubedblc.com

17111000
14 May 2024
Scale: 1" = 32'





Soil Observation Log

Project ID: v 03.15.2023

Client: Brett & Megan Larson **Location / Address:** 13597 E BIG CORMORANT RD, AUDUBON / 171111000

Soil parent material(s): (Check all that apply) Outwash Lacustrine Loess Till Alluvium Bedrock Organic Matter Disturbed/Fill

Landscape Position: Back/Side Slope **Slope %:** 5.0 **Slope shape:** Linear, Linear **Flooding/Run-On potential:** No

Vegetation: Lawn **Soil survey map units:** 38C-Waukon loam **Surface Elevation-Relative to benchmark:** 95' 7"

Date / Time of Day/Weather Conditions: 14-May-24 8:00 sunny **Limiting Layer Elevation:** 93' 11"

Observation #/Location: #1 **North of STA** **Observation Type:** Auger

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure		
							Shape	Grade	Consistence
0-6	Loam	10	10R 2/2		None	None	Blocky	Moderate	Friable
6-20	Loam	10	10YR 4/4		None	None	Blocky	Strong	Firm
20-24	Loam	10	10YR 4/4	5YR 4/6	Concentrations	S2	Blocky	Strong	Firm
24-30	Loam	10	10YR 6/4	5YR 4/6	Concentrations	S2	Blocky	Moderate	Friable

Comments: Benchmark is the threshold for the outbuilding's service door that is west of the STA

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

Brant Bigger L4142 24-May-24
 (Designer/Inspector) (License #) (Date)

Optional Verification: I hereby certify that this soil observation was verified according to Minn. R. 7082.0500 subp. 3 A. The signature below represents an infield verification of the periodically saturated soil or bedrock at the proposed soil treatment and dispersal site.

[Signature] (Signature) (Cert #) (Date)

Textures:	
C	Clay
SiC	Silty Clay
SC	Sandy Clay
CL	Clay Loam
SiCL	Silty Clay Loam
SCL	Sandy Clay Loam
Si	Silt
SiL	Silt Loam
L	Loam
SL	Sandy Loam*
LS	Loamy Sand*
S	Sand*

*Sand Modifiers:	
Co	Coarse
M	Medium
F	Fine
VF	Very Fine

Topsoil Indicator(s) of Saturation:

- T1. Wetland Vegetation
- T2. Depressional Landscape
- T3. Organic texture or organic modifiers
- T4. N 2.5/ 0 color
- T5. Redox features in topsoil
- T6. Hydraulic indicators

Subsoil Indicator(s) of Saturation:

- S1. Depleted matrix (value > / = 4 and chroma < / = 2)
- S2. Distinct gray or red redox features (any Matrix Hue)
- S3. Matrix Hue of 5Y with a chroma < / = 3
- S4. Matrix Hue of 7.5 YR or redder with faint redox concentrations or redox depletions

Shape:

Granular

Platy

Blocky

Prismatic

Single Grain

Grade:

Loose

Weak

Moderate

Strong

Massive

Consistence:

Loose

Friable

Firm

Extremely Firm

Rigid

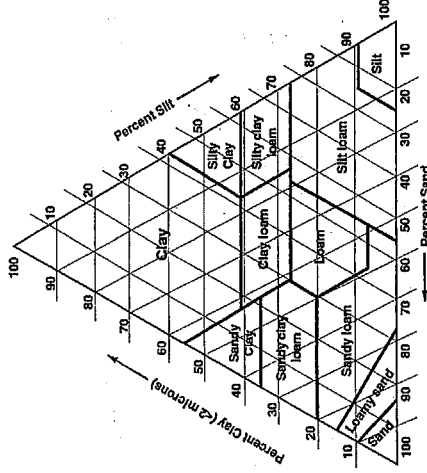
Intact specimen not available

Slight force between fingers

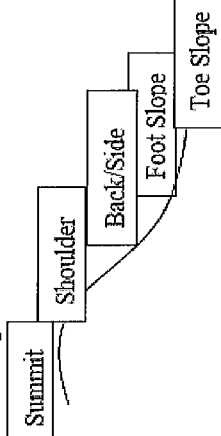
Moderate force between fingers

Moderate force between hands or slight foot pressure

Foot pressure



Landscape Position:



Slope Shape:

Slope shape is described in two directions: up and down slope (perpendicular to the contour), and across slope (along the horizontal contour); e.g. Linear, Convex or LV.

