



191226000-2021



COUNTY OF BECKER

Planning and Zoning

915 Lake Ave, Detroit Lakes, MN 56501
Phone: 218-846-7314 ~ Fax: 218-846-7266

September 7, 2021

Travis & Rachel Olson
2805 64th Ave S
Fargo, ND 58104

Re Property: 19.1226.000

Dear Mr./Mrs. Olson,

A compliance inspection form was submitted into our office 09/04/21 stating the existing septic system servicing the property is noncompliant per inspection conducted 09/03/21.

The existing septic system is to be upgraded, repaired, or replaced per State and County regulations. You have 10 months from the date of non-compliance to update the system.

Enclosed is a list of ISTS contractors. An application for an upgraded system must be submitted into the office, with the installation completed within 10 months.

Any questions, please contact our office at 218-846-7314. Thank you.

Nicole Hultin

Nicole Hultin

Office Support Specialist

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: 191226000 Reason for Inspection Lake Study

Local regulatory authority info: Becker County

Property address: 24571 N MELISSA DR, DETROIT LAKES MN 56501

Owner/representative: Travis Olson Owner's phone: 701-361-5715

Brief system description: lift station to 1500 gal septic tank with rockbed drainfield

System status

System status on date (mm/dd/yyyy): 9/3/2021

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)

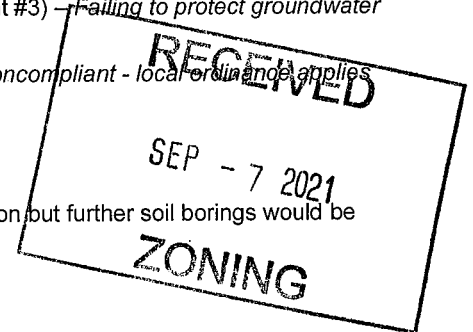
- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance 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

Cap for septic tank is cracked and should be replaced.

System is non-compliant because it doesn't have enough soil separation.

The system could be converted to a holding tank. A pressure bed may also be an option but further soil borings would be needed to confirm there would be enough soil separation.



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 map

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.

Spoke with the property owner on 21 Aug 2021. He indicated he did not have 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 Service LLC

License number of maintenance business: L2884

Date of maintenance: 9/3/2021

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:

Visually inspected the interior of the lift station and tank with a camera. No cracks were observed. Lift station was not over full. Septage level had been at the bottom of the tank outlet.

Probed the bottom of the lift station & tank and they are solid.

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:

A visual inspection of the lift station maintenance hole cover did not indicate any issues.

The maintenance hole cover for the septic tank 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 11/2/1989 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

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.

Attached supporting documentation:

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

Indicate depths or elevations

A. Bottom of distribution media	97' 10"
B. Periodically saturated soil/bedrock	96' 8"
C. System separation	14"
D. Required compliance separation*	32"

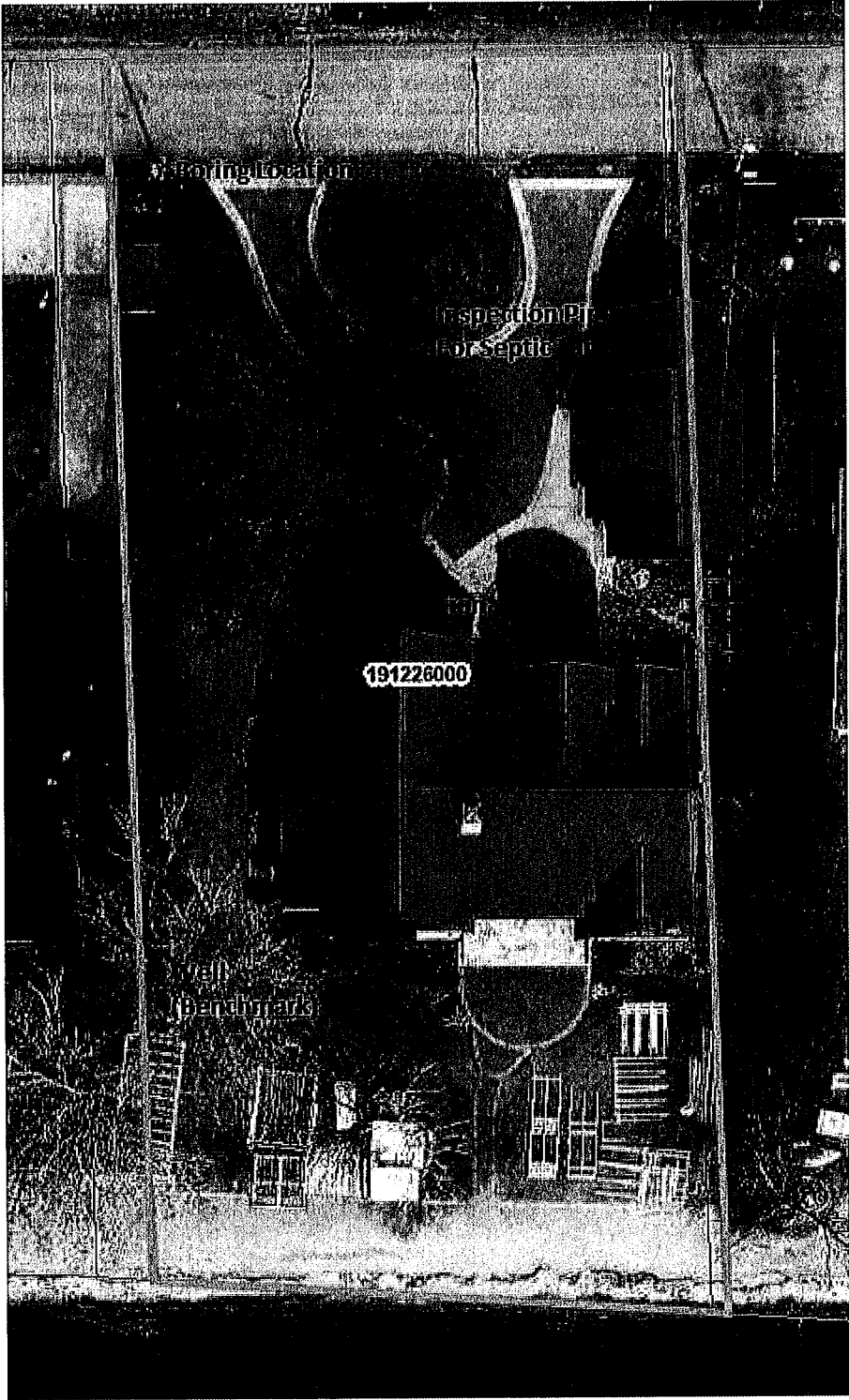
*May be reduced up to 15 percent if allowed by Local Ordinance.

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

Describe verification methods and results:

Conducted a soil boring (elevation 100' 4"). Redoximorphic features were found at 44" depth in the boring (elevation 96' 8")
 Benchmark elevation (100') is located at the top of the well near the property line on the south west side of the house.

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.



Boring location

Inspection Point
for Septic

191226000

Handy park



Soil Observation Log

Project ID:

V 04.01.2020

Client: **Travis Olson**

Location / Address:

191226000

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

Landscape Position: (select one) Toe Slope Slope %: 1.0 Slope shape: Linear, Linear Elevation-relative to benchmark: 100' 4"

Vegetation: Lawn Soil survey map units: 1138—Rushlake and Hangaard soils Limiting Layer Elevation: 97' 4"

Weather Conditions/Time of Day: overcast 9:00 Date 09/03/21

Observation #/Location: #1 west of drainfield (5' west of driveway) Observation Type: Auger

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure		
							Shape	Grade	Consistence
0-16	Loamy Sand	<10	10YR 2/2				Blocky	Weak	Friable
16-36	Sand	<10	10YR 3/6				Granular	Structureless	Loose
36-44	Coarse Sand	<20	2.5Y 6/4	5YR 4/6			Granular	Structureless	Loose
44-54	Coarse Sand	<20	2.5Y 6/4	2.5YR 4/8	Concentrations	S1	Granular	Structureless	Loose
64-60	Sand	<10	10YR 5/8		Depletions	S1	Granular	Structureless	Loose
60-64	Sand	<10	2.5Y 6/4				Granular	Structureless	Loose

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

Brant B Bigger
(Designer/Inspector)

(Signature)

L4142
(License #)

4-Sep
(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.

(LGU Inspector)

(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. Distinct gray or red redox features
S2. Depleted matrix (value > / = 4 and chroma < / = 2)
S3. 5Y chroma < / = 3
S4. 7.5 YR or redder 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

The peds are approximately spherical or polyhedral and are commonly found in topsoil. These are the small, rounded peds that hang onto roots when soil is turned over.

The peds are flat and plate like. They are oriented horizontally and are usually overlapping. Platy structure is commonly found in forested areas just below the leaf litter or shallow topsoil.

The peds are block-like or polyhedral, and are bounded by flat or slightly rounded surface that are castings of the faces of surrounding peds. Blocky structure is commonly found in the lower topsoil and subsoil.

Flat or slightly rounded vertical faces bound the individual peds. Peds are distinctly longer vertically, and faces are typically casts or molds of adjoining peds. Prismatic structure is commonly found in the lower subsoil.

The structure found in a sandy soil. The individual particles are not held together.

No peds, sandy soil

Poorly formed, indistinct peds, barely observable in place

Well formed, distinct peds, moderately durable and evident, but not distinct in undisturbed soil

Durable peds that are quite evident in un-displaced soil, adhere weakly to one another, withstand displacement, and become separated when soil is disturbed

No observable aggregates, or no orderly arrangement of natural lines of weakness

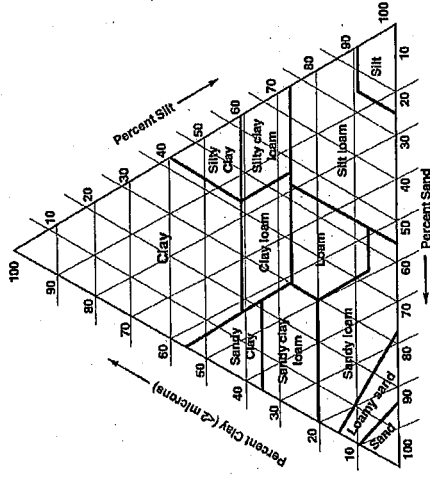
Intact specimen not available

Slight force between fingers

Moderate force between fingers

Moderate force between hands or slight foot pressure

Foot pressure



Landscape Position:

Summit

Shoulder

Back/Side

Foot Slope

Toe Slope

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.

