Midwest Sewer Services

P.O. Box 10853 White Bear Lake, MN 55110 Brian Humpal
651-492-7550/Brian@Midwestsoiltesting.com MPCA Licensed Advanced Inspector

SUBSURFACE SEWAGE TREATMENT SYSTEM (SSTS) COMPLIANCE REPORT

Date: January 7, 2021 **Time:** 11:15 AM **Owner:** Chelsey Kolbet
Inspection Address: 7300 115th St N, Grant, MN 55110 **Site Conditions:** 7" Snow 5" Frost

REPORT SUMMARY

I have performed an "MPCA Compliance Inspection" on this system and have reviewed the previous compliance inspection from 2013 on file at Washington County. This older system (installed in 2000) consists of two pre-cast septic tanks, a pre-cast lift tank, and a mound.

Predicated on my inspection of the system and my review of the records, it is my opinion that this system presently meets MPCA minimum compliance inspection requirements.

Midwest Sewer Services have been hired to perform a compliance inspection of this SSTS for compliance with local ordinances pursuant to Minn. Stat. § 115.55 (2013). This compliance inspection covers only the criteria required by Minn. Stat. § 115.55 Subd. 5a (2013) and Minn. R. 7080.1500 (2011). A compliance inspection is an indication of the current compliance status of the system and does not guarantee the performance or longevity of this system beyond the date of inspection, as it is impossible to determine the future performance of any system. Midwest Sewer Services disclaim any use of this compliance inspection beyond determining SSTS compliance pursuant to Minn. Stat. § 115.55 Subd. 5a (2013) and Minn. R. 7080.1500 (2011).

Please contact me should you have any questions.

Christopher Uebe Brian Humpal

NOTE: This report is not complete without the inclusion/attachment of the additional pages which consist of up to three (3) MPCA drafted Compliance Inspection Documents, one (1) Homeowner/Occupant Information Sheet (when obtainable), one (1) site diagram, one (1) log of soil boring(s), one (1) Brian L Humpal, Inc. Disclaimer Sheet, and one (1) MPCA License.

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

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

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

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 1/7/2021

☒ **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:

Property address: 7300 115th St N, Grant, MN 55110
Reason for inspection: Property Transfer
Property owner: Chelsey Kolbet
Owner's phone: 608-790-7686
or
Owner's representative:
Representative phone:
Local regulatory authority: Washington County
Regulatory authority phone: 651-430-6655
Brief system description: Two pre-cast septic tanks, a pre-cast lift tank, and a mound.
Comments or recommendations:

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: Brian Humpal/Christopher Uebe
Certification number: C5342/C9852
Business name: Midwest Sewer Services
License number: L2896
Inspector signature: Brian Humpal
Phone number: 651-492-7550

Necessary or Locally Required Attachments

☒ Soil boring logs ☒ System/As-built drawing ☐ Forms per local ordinance
☒ Other information (list): Report Summary, Property Information, Disclaimer, License

Property address: 7300 115th St N, Grant, MN 55110 Inspector initials/Date: 1/7/2021 BH CH

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

Compliance criteria:	
System discharge sewage to the ground surface.	☐ Yes ☒ No
System discharge sewage to drain tile or surface waters.	☐ Yes ☒ No
System cause sewage backup into dwelling or establishment.	☐ Yes ☒ No
Any "yes" answer above indicates the system is an Imminent Threat to Public Health and Safety.	

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)*

Comments/Explanation:

None of the above found.

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:	
System consists of a seepage pit, cesspool, drywell, or leaching pit. *Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.*	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth.	☐ Yes ☒ No
If yes, which sewage tank(s) leaks:	
Any "yes" answer above indicates the system is Failing to Protect Groundwater.	

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)*

Comments/Explanation:

Lowered underwater camera into tanks - baffles and tank walls OK.

Lift pump and alarm were operational at the time of the inspection.

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

a. Maintenance hole covers are damaged, cracked, unsecured, or appear to 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:

Property address: 7300 115th St N, Grant, MN 55110 Inspector initials/Date: 1/7/2021 BH CH

4. Soil Separation – Compliance component #4 of 5

Date of installation: 2000 ☐ Unknown

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: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No
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: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	☒ Yes ☐ No
"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) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No

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 (A*ttach boring logs)*
☐ Not applicable *(Holding tank(s), no drainfield)*
☐ Unable to verify *(See Comments/Explanation)*
☒ Other *(See Comments/Explanation)*

Comments/Explanation:

Reviewed previous compliance inspection from 2013.

Wellhead protection area.

Indicate depths of elevations

A. Bottom of distribution media	See Attached Boring Log(s)
B. Periodically saturated soil/bedrock	
C. System separation	
D. Required compliance separation*	

*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.*

Property address: 7300 115th St. No. Parcel ID:
City: White Bear Lake State: MN Zip code: 55110

Optional section: Sewage Tank Compliance Certification

This form does not represent a complete system inspection report and only certifies sewage tank compliance status.

Instructions: This section of the form may be completed and signed by a Designated Certified Individual (DCI) of a licensed SSTS Maintenance Business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system.

When this section of the form is signed by a qualified certified professional, it becomes *necessary supporting documentation* to an Existing System Compliance Inspection Report: Compliance inspection form - Existing system (wq-wwists4-31b). This form can be found on the MPCA website at https://www.pca.state.mn.us/water/ssts-and-msts-technical-and-compliance-criteria.

The information and certified statement on this form is **required** when existing septic tank compliance status is determined by an individual other than the SSTS Inspector that submits the inspection report. It represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4 Item (B) subitem (1). This form is valid for a period of three years beyond the signature date on this form unless a new evaluation is requested by the owner or owner's agent or is required according to local regulations. Additional Administrative Rule references for this activity can be found at Minn. R. 7082.0700, subp. 4 Items B, C, and D; 7083.0730 Item C.

☑ **Certificate of sewage tank compliance**

Affirm all three statements:

- ☑ The SSTS does not contain a seepage pit, cesspool, drywell, leaching pit, or other pit.
- ☑ It does not contain a sewage tank that was designed to be watertight, but subsequently leaks below the designed operating depth.
- ☑ It does not represent an imminent safety threat by reason of unsecured, damaged, or weak maintenance hole cover(s) or other unsafe condition.

☐ **Notice of sewage tank non-compliance**

Select all that apply:

- ☐ The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit – **"Failure to Protect Groundwater."**
- ☐ It has a sewage tank that was designed to be watertight, but subsequently leaks below the designed operating depth – **"Failure to Protect Groundwater."**
- ☐ It presents a threat to public safety by reason of unsecured, damaged, or weak maintenance hole cover(s) or other unsafe condition – **"Imminent Threat to Public Health or Safety."**

Company information

Company name: Pinkys Sewer Service

Business license number: 1673

Designated Certified Individual (DCI) information

Print name: Nick St. Claire

Certification number: C9755

I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS Maintenance Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS:

Designated Certified Individual's signature: Nick St. Claire Date (mm/dd/yyyy): 6/26/20

Midwest Sewer Testing

Subsurface Sewage Treatment System Owner/Property Information

This information will be used for the purpose of conducting an MPCA Compliance Inspection.

Date of Inspection: January 7, 2021	Time: 11:15 AM
Property Address: 7300 115th St N, Grant, MN	Zip: 55110
Property Owner: Chelsey Kolbet	Phone: 608-790-7686

Tank(s)	Tank(s)Material	Soil Treatment System	Other
☒ Septic 2	☐ Fiberglass	☐ Rock trench	☐ Alternative system _____
☐ Aerobic	☐ Plastic	☐ Gravelless trench	☐ Experimental system _____
☒ Lift	☐ Metal	☐ Chamber trench	☐ Cesspool system _____
☐ Holding	☒ Concrete	☐ Seepage bed	☐ Other system _____
☐ Other:	☐ Block	☒ Mound	_____
	☐ Other _____	☐ At-grade	_____

Are the tank maintenance covers accessible? ☐ Yes ☐ No *If no, proper maintenance must be performed through the maintenance holes. Maintenance hole covers should be made accessible to the ground surface to facilitate access and proper maintenance of the system.

Year house built: 2000	Year septic installed: 2000	Tank size (gals.): 2-1000
How long has seller owned the property?	Number of residents in home?	
Number of bedrooms? 4	Are all floors drained by gravity? Y	
Garbage disposal? Y	Whirlpool bath? Y	
More than one system (laundry, etc.)? N		
Does this property have any footing drain tiles connected to the septic system? N		
Are any buildings on this property such as garages or out-buildings connected to this system? N		
Are there any additional systems on this property serving other buildings? N		
Location of septic system on lot? North Side		
Location of water well on lot? Southeast Side	Is the well a deep well? Y	
Have you ever experienced any problems with the system such as: tree roots, sewage back-ups, surfacing of sewage onto the ground, septic tank overflowing, etc.; or have any repairs been made to the system? If yes, explain:		
When was the system last pumped? 2020	Name of pumper: Pinky's Sewer Service	
How often pumped in previous years?	Is system on a monitoring plan?	
Have you received notices from any government agency concerning this system?		
Is your property located in a shoreland management area? N		
Do you have any additional information that should be given to the new owner?		

I hereby certify that the above information is correct to the best of my knowledge. I also understand that if the system is considered "non-compliant/failing" per MPCA rules, that the inspector must by law submit a copy of this report to the local government unit within 15 days of the date of inspection completion. I also agree that unless otherwise noted in this report, that I/we are ultimately responsible for payment of all fees for all work performed relative to this inspection by Inspect Minnesota and Midwest Soil Testing

Owner/Occupant: Date:

Soil Observations Log

Location of Project:	7300 115th St N, Grant, MN 55110				
Observations Made By:	Midwest Sewer Services		Date:	1/7/2021	
Classification System:	USDA				
Soil Observation:	ST-1		Soil Observation:		
Surface Elevation of Observation	50" below top of mound on original contour		Surface Elevation of Observation		
Depth In Inches	Rock %	Soils Encountered	Depth In Inches	Rock %	Soils Encountered
0-4 4-10 10-16		7.5YR 2.5/2 Loam 7.5YR 3/4 Sandy Loam 7.5YR 3/4 Sandy Loam With 7.5YR 5/8 & 5YR 4/6 Redox			
10"	Depth To End Of Soil Observation Or Redox			Depth To End Of Soil Observation Or Redox	
+50"	Elevation Of Observation Below Top Of Mound			Elevation Of Observation Relative To System	
-27"	Depth To Bottom Of Distribution Media			Depth To Bottom Of Distribution Media	
=33"	Of Separation			Of Separation	
End Of Soil Observation At:	16"		End Of Soil Observation At:		
Redox Present At:	10"		Redox Present At:		
Standing Water Present At:	None		Standing Water Present At:		

Bottom Of Distribution Medium At: 27 Inches

Signature: 

Log Of Soil Borings

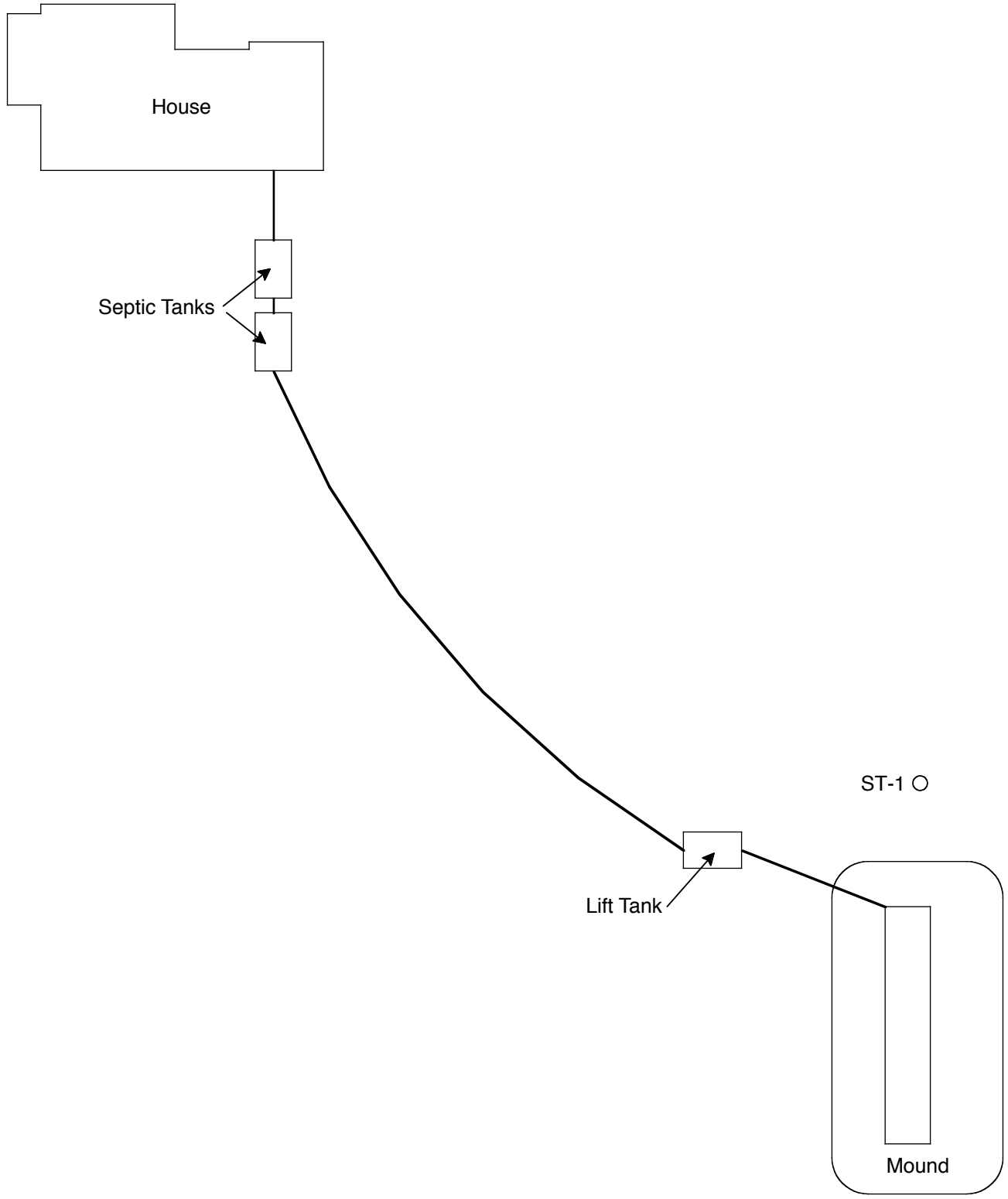
Location of Project:	7300 115th Street N, Grant, MN 55110		
Borings Made By:	Inspect Minnesota	Date:	4/5/13
Auger Used:	Hand/Bucket	Classification System:	USDA

Boring Number:	1	Boring Number:	
Surface Elevation of Boring	50" below top of mound on original contour	Surface Elevation of Boring	

Depth In Inches	Soils Encountered	Depth In Inches	Soils Encountered
0-6	7.5YR 2.5/3 Loam		
6-9	7.5YR 3/4 Sandy Loam		
9-19	7.5YR 3/4 Sandy Loam With 7.5YR 5/2 & 5YR 4/6 Redox		
19-40	7.5YR 3/4 Clay Loam With 7.5YR 5/8, 5YR 5/8, & 10YR 5/1 Redox		
9"	Depth To End Of Boring Or Redox		Depth To End Of Boring Or Redox
+50"	Elevation Of Boring Below Top Of Mound		Elevation Of Boring Relative To System
-27"	Depth To Bottom Of System		Depth To Bottom Of System
=32"	Of Separation		Of Separation

End Of Boring At:	40"	End Of Boring At:	
Redox Present At:	9"	Redox Present At:	
Standing Water Present At:	36" At 15 Minutes	Standing Water Present At:	

Bottom Of Distribution Medium At: 27 Inches



NO SCALE

7300 115th Street N, Grant, MN 55110