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: October 21, 2021	Time: 2:45 PM	Owner: Robbi Hagelberg
Inspection Address: 12560 Morris Trail N, May Twp, MN 55047		

REPORT SUMMARY

I have performed an "MPCA Compliance Inspection" on this system and have reviewed the original design/permit records, along with a previous compliance inspection from 2007 and 2010, which were on file at Washington County. This very old system (installed in 1993) consists of two pre-cast septic tanks and a rock trench drainfield. It should be noted that the average life expectancy of a septic system is approximately 30 years. Pinky's Sewer Service pumped the tanks on October 20, 2021.

Although not a compliance criteria, it should be noted that the septic tank manhole covers are buried. I recommend extending these covers to the ground surface to facilitate easier access and proper maintenance.

Predicated on my inspection of the system and my review of the records, it is my opinion that this system <u>presently meets</u> 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.

Afren Van

Brian Humpal

Christopher

Uebe

Brian Humpal

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.

2 of 11

Property information Local tracking number:		number:
Parcel ID# or Sec/Twp/Range:	Reason for Inspection	Property Transfer
Local regulatory authority info: Washington County		
Property address: 12560 Morris Trail N, May Twp, MN 55047		
Owner/representative: Ms. Robbi Hagelberg		Owner's phone: 651-528-1699
Brief system description: Two pre-cast septic tanks and a rock tre	nch drainfield.	

System status

System status on date (mm/dd/yyyy): 10/21/2021

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

Although not a compliance criteria, it should be noted that the septic tank manhole covers are buried. I recommend extending these covers to the ground surface to facilitate easier access and proper maintenance.

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: Midwest Sewer Services

Brian Humpal	Home
--------------	------

Certification number: 5342/9852

Inspector signature:

(This document has been e	electronically signed)
---------------------------	------------------------

License number: L2896

Phone: 651-492-7550

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): Report Summary, Property Information, Disclaimer, License

Property Address:	12560 Morris	Trail N, May	Twp, MN 55047
-------------------	--------------	--------------	---------------

Business Name: Midwest Sewer Services

Date: 10/21/2021

1. Impact on public health – Compliance component #1 of 5

Compliance criteria:		Attached supporting documentation:	
System discharges sewage to the ground surface	🗌 Yes* 🛛 No	☐ Other: ☐ Not applicable	
System discharges sewage to drain tile or surface waters.	🗌 Yes* 🛛 No		
System causes sewage backup into dwelling or establishment.	🗌 Yes* 🛛 No		
Any "yes" answer above indicates imminent threat to public health an		_	

Describe verification methods and results:

None of the above found.

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:		Attached supporting d	ocumentation:	
System consists of a seepage pit,	🗆 Yes* 🛛 No	Empty tank(s) viewed by inspector Pinky's Sewe Name of maintenance business: <u>Service</u>		
cesspool, drywell, leaching pit, or other pit?				Pinky's Sewer Service
Sewage tank(s) leak below their	🗌 Yes* 🛛 No	License number of maintenance business: L1673		
designed operating depth?		Date of maintenance:		10/20/2021
		Existing tank integrity a	ssessment (Attac	h)
		Date of maintenance		
If yes, which sewage tank(s) leaks:		(mm/dd/yyyy):	(must be within	three years)
Any "yes" answer above indicates the system is failing to protect groundwater.		(See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))		nent complies with
		Tank is Noncompliant (pumping not necess	ary – explain below)
		Other:		

Describe verification methods and results:

Although not a compliance criteria, it should be noted that the septic tank manhole covers are buried. I recommend extending these covers to the ground surface to facilitate easier access and proper maintenance.

4 of 11

Property Address:	12560 Morris Trail N, May Twp, MN 55047
Business Name:	Midwest Sewer Services

Date: 10/21/2021

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

	3a. N	Maintenance hole covers appear to be structurally unsound (damaged, cracked,	etc.), or unse	ecured?		
	[□ Yes* 🖾 No 🔲 Unknown				
	3b. (Other issues (electrical hazards, etc.) to immediately and adversely impact public h	ealth or safe	ty? □ Yes*	🛛 No 🗌 Unkr	Iown
	÷	Yes to 3a or 3b - System is an imminent threat to public health and safety.				
	3c. S	System is non-protective of ground water for other conditions as determined by in	nspector?	□ Yes*	🛛 No	
	3d. S	System not abandoned in accordance with Minn. R. 7080.2500?		□ Yes*	🖾 No	
	÷	Yes to 3c or 3d - System is failing to protect groundwater.				
	ſ	Describe verification methods and results:				
		Attached supporting documentation: 🖂 Not applicable				
4.	Оре	rating permit and nitrogen BMP* – Compliance compo	nent #4 c	of5 ⊠ N	lot applicable	;
	Is the	system operated under an Operating Permit?	Yes 🗌 No	lf "yes", A	below is requ	ired
	Is the	system required to employ a Nitrogen BMP specified in the system design? $\hfill\square$	Yes 🗌 No	lf "yes", B	below is requ	ired
		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? \Box Yes \Box No

Any "no" answer indicates noncompliance.

Describe verification methods and results:

Attached supporting documentation:
Operating permit (Attach)

5	of	1	1
---	----	---	---

Property Address:	12560 Morris Trail N, May Twp, MN 55047
Business Name [.]	Midwest Sewer Services

5. Soil separation – Compliance component #5 of 5

Date of installation 1993 (mm/dd/yyyy)	_ 🗌 Unkr	nown		
Shoreland/Wellhead protection/Food beverage lodging?	🛛 Yes	🗌 No	Attached supporting documentation:	·
Compliance criteria (select one):	1		Two previous verifications of required	vertical separation
5a.For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead	☐ Yes	□ No*	Not applicable (No soil treatment area)
Protection Area or not serving a food,			Reviewed previous compliance inspection from 2010.	
beverage or lodging establishment:			Reviewed previous compliance inspection from 2007.	
Drainfield has at least a two-foot vertical separation distance from periodically			Reviewed design and permit records.	
saturated soil or bedrock.				
5b. Non-performance systems built	🛛 Yes	🗌 No*	Indicate depths or elevations	
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:			A. Bottom of distribution media	See Attached Boring Log(s)
			B. Periodically saturated soil/bedrock	
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*			C. System separation	
			D. Required compliance separation*	
			*May be reduced up to 15 percent if allo Ordinance.	wed by Local
 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) 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.

Describe verification methods and results:

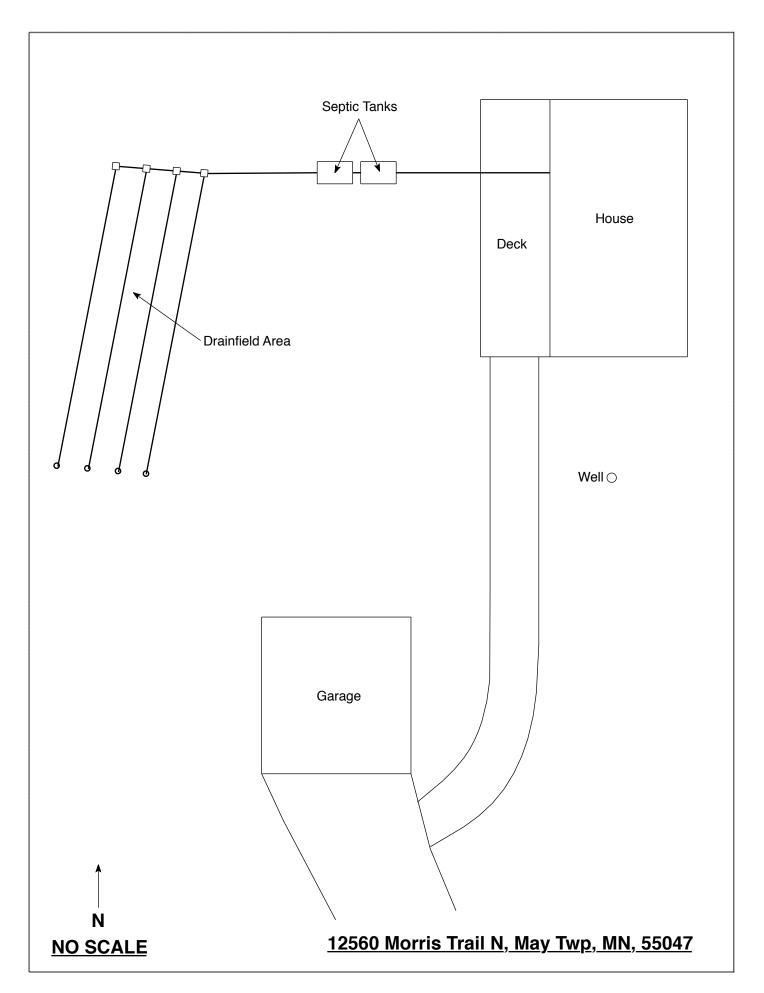
Upgrade requirements: (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, 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, 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.

<u>Midwest Sewer Testing</u> Subsurface Sewage Treatment System Owner/Property Information

This information will be used for the purpose of conducting an MPCA Compliance Inspection.				
Date of Inspection: October 21, 2021	Time: 2:45 PM			
Property Address: 12560 Morris Trail N, May Twp, MN	Zip: 55047			
Property Owner: Ms. Robbi Hagelberg	Phone: 651-528-1699			
Tank(s) Tank(s)Material Soil Treatment System Septic 2 Fiberglass Rock trench Aerobic Plastic Gravelless trench Lift Metal Chamber trench Holding Concrete Seepage bed Other: Block Mound Other Other At-grade	Other Alternative system Experimental system Cesspool system Other system			
Are the tank maintenance covers accessible? \Box Yes \boxtimes No *If				
performed through the maintenance holes. Maintenance hole cover the ground surface to facilitate access and proper maintenance of t				
Year house built: 1971 Year septic installed: 1993	Tank size (gals.): 2-1000			
	sidents in home?			
Number of bedrooms? 3 Are all floors drained by g	ravity? Y			
Garbage disposal? Y Whirlpool bath?	N			
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				
The any buildings on this property such as garages of out-buildings connected to this system? It				
Are there any additional systems on this property serving other buildings? N				
Location of septic system on lot? West Side				
	e 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? 10/20/2021 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? Y				
Do you have any additional information that should be given to the new owner?				

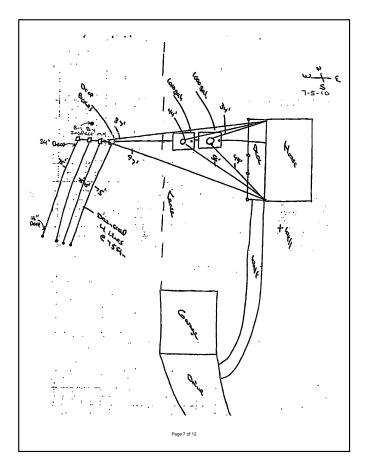
I hereby certify that the above information is correct to the best of my knowledge. I also understand that if the system is considered "non-compliant/failing" per MPCA rules, that the inspector must by law submit a copy of this report to the local government unit within 15 days of the date of inspection 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

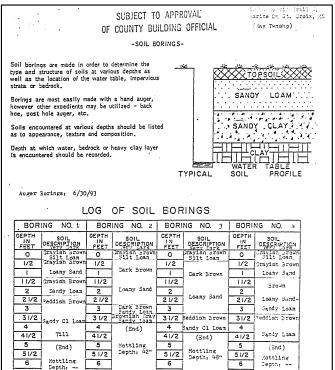
Owner/Occupant:



·		Log Of So			
		12560 Morris Trail N, Inspect Minnesota	May Twp,	MN 55047 Date:	7/5/10
		Hand/Bucket	Class	ification System:	USDA
	Boring Number:	1		Boring Number:	
Surface Elevation Boring	of Same ground	surface as inspection last drop box	Boring	of	
Depth In Inches	Soils Er	ncountered	Depth In Inches	Soils En	countered
50-62	5YR 4/4 L 10YR 4/4	oamy Sand With amellae Bands Silt Loam With R 5/8 Mottles/Redox			
62"		oring Or Mottled Soils			ring Or Mottled Soils
Same		g Relative To System		÷	Relative To System
-19" =43"	Depth To Bottom C Of Separation	Jf System		Depth To Bottom O Of Separation	f System
	End Of Boring At: 72" Mottled Soil Present At: 62" Standing Water Present At: None			End Of Boring At: ed Soil Present At: Water Present At:	
Standing water Present At: Standing water Present At:					

La	cation of Project:	12560 Morris Trail N.,	May Towns	nip	
		Inspect Minnesota		Date:	6/20/07
	Auger Used:	Hand/Bucket	Clas	sification System:	USDA
	Boring Number:	1		Boring Number: 2	
Surfac Elevatior Boring	of Same As Top	Of Ground At End Of rainfield Trench	Surface Elevation Boring	of Same As Top	Of Ground At Last Inspection Pipe
Depth In Inches	Soils E	ncountered	Depth In Inches	Soils Er	ncountered
0-6 6-30 30-40 40-59 59-70	7.5YR 4/4 5YR 4/4 (Iron Nodu 5YR 5YR 4/4 Sandy L	10YR 2/2 Loam 7.5YR 4/4 Loamy Fine Sand 5YR 4/4 Clay Loam With Iron Nodules & Silt Layers 5YR 4/4 Loam ?R 4/4 Sandy Loam w/Loamy Layers 5YR 5/8 & SYR 5/2 Mottles		10YR 3/4 7.5YR 5YR 4/4 Loam V	3 Silt Loam Sandy Loam 4/4 Loam /ith Trace of Gravels al At 60"
59"	Depth To End Of B	oring Or Mottled Soils	60"	Depth To End Of Bo	oring Or Mottled Soils
Same	Elevation Of Boring	Relative To System	Same	Elevation Of Boring	Relative To System
-19"	Depth To Bottom Of System			Depth To Bottom Of System	
=40"	Of Separation		>/= 36"	Of Separation	
	End Of Boring At:	70"		End Of Boring At:	60"
Motti	ed Soil Present At:	59"	Mottl	ed Soil Present At:	None
Standing	Water Present At:	None	Standing	Water Present At:	None
		Medium At End Of Last edium At Last Drainfield			19 Inches 24 Inches





6

7

8

age8d 622

9

Mottling Depth: ---

Fill materia is somewhat iense.

6

7 71/2 8

61/2

81/2

9

6

7 71/2 8

81/2

9

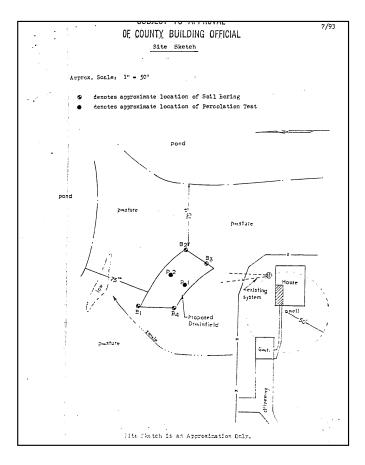
Kottling Depth: --

61/2 7 71/2

8

81/2

э



DISCLAIMER

Brian L. Humpal, Inc. dba. Midwest Sewer Services, Inspect Minnesota, Midwest Soil Testing Relative to Subsurface Sewage Treatment System (SSTS) Compliance Inspections

- 1. This inspection/report is being performed for only the seller/owner of the property on which the SSTS is located. In such case that another party is paying for the inspection, the contract is between only said party and Brian L. Humpal, Inc.; there is no contract between Brian L. Humpal, Inc. and any other party unless otherwise noted.
- 3. Brian L. Humpal, Inc. has not been retained to warranty, guarantee, or certify the proper functioning of the SSTS for any period of time beyond the date of inspection or into the future. Because of the numerous factors (usage, maintenance, soil characteristics, previous failures, etc.) which may affect the proper operation of an SSTS, as well as the inability of Brian L. Humpal, Inc. to supervise or monitor the use or maintenance of the SSTS, the report shall not be construed as a warranty by Brian L. Humpal, Inc. that the SSTS will function properly for any particular party for any period of time.
- 4. Brian L. Humpal, Inc. is unable to verify the frequency and/or, quality of prior or future maintenance of the SSTS. Maintenance of the tank(s) must be performed through the tanks maintenance hole. The removal of solids from any location other than the maintenance hole is not a compliant method of maintenance. It is strongly recommended that maintenance covers be made accessible to the ground surface to facilitate proper maintenance.
- 5. Minimum Compliance Inspection requirements relative to this inspection and this report include <u>only</u> verification that the SSTS has tank(s) (septic tanks, lift tanks, dosing tanks, stilling tanks, etc.) which are watertight below the designed operating depth, the required separation between the bottom of the subsurface soil distribution medium and seasonally saturated soils, no back-ups of sewage into the dwelling, no discharge of sewage/effluent to the ground surface or surface waters, and no imminent safety hazards. Brian L. Humpal, Inc. does not inspect plumbing or pumps prior to the first SSTS component as these are plumbing components. The performance of exterior pumps and associated components are not inspected as they are considered to be maintenance items. Additionally, no indications relative to compliance with electrical code requirements have been made. It is recommended that any other applicable plumbing, electrical, housing, etc. inspections be performed by a qualified inspection business. Sewage back-up verification is limited to observing the floor drain area and/or the information supplied by the last occupants of the building prior to inspection. Brian L. Humpal, Inc. cannot guarantee that the information given to them by the last occupants of the building prior to inspection relative to back-ups is accurate.
- 4. Certification of this SSTS does not warranty future use beyond the date of the inspection. Any SSTS, old or new, can become hydraulically overloaded or discharge sewage/effluent to the ground surface as a result of more people moving into the house than were previously occupying the house, improper maintenance, heavy usage, leaking plumbing fixtures, groundwater infiltration, tree roots, freezing conditions, surface drainage problems, poor initial design, poor construction practices, or unsuitable materials used in constructing the system; the system can also simply stop working because of its age. An SSTS that has been properly designed and installed, properly maintained, and used in the manner for which the system was designed can be expected to provide service for twenty to twenty-five years on average. Some parts of the SSTS such as alarms, switches, pumps, filters, etc. will most likely have to be repaired or replaced over the lifetime of the system.
- 5. A Compliance Inspection is not meant to be a test or inspection for longevity of the system; a Compliance Inspection is strictly for the purpose of determining if the SSTS is protective of public health and safety, as well as the groundwater at the date and time the inspection was performed. This inspection is not intended to determine if the SSTS was originally designed or installed to past or present MPCA or other Local Government Unit code requirements. This inspection is not intended to determine if the SSTS was designed and/or installed to support the anticipated flow from the building as the use of the building may have changed since the design and construction of the SSTS due to the addition of bedrooms, occupants, etc. In addition, this inspection is not intended to determine the quality of the original SSTS design, the quality of the construction practices used while installing the SSTS, or the quality of the materials used in constructing the SSTS.
- 6. Brian L. Humpal, Inc. cannot guarantee the performance of SSTS products/components such as: gravelless pipe, chamber trenches, effluent filters, tanks, sewage pre-treatment components, piping, etc. Products such as gravelless pipe are no longer approved for installation in the State of Minnesota and may have a significantly reduced performance and/or life expectancy.
- 7. WINTER WORK: By accepting this report, it is understood that inspections conducted during winter months (approximately November 1st through April 1st) are more difficult to perform because of possible snow cover and/or ground frost. SSTS components such as tanks, maintenance covers, tank inspection pipes, subsurface distribution medium inspection pipes, and soil treatment areas are more difficult or impossible to locate due to snow cover and/or ground frost. In addition, soil borings are more difficult to perform due to snow cover and/or ground frost. Brian L. Humpal, Inc. will attempt to use the same level of standards when performing work during winter periods as when performing work during non-winter periods. However, the recipient of this report understands that because of the aforementioned considerations, the same level of standards may not be possible.
- 8. By accepting this report, the client understands that Brian L. Humpal, Inc. will not be responsible for any monetary damages exceeding the fee for the services provided.

Subsurface Sewage Treatment Systems Mon-transferable Business License

Midwest Sewer Services

License # L2896

License Expires: 12/22/2021

Issued: 11/06/2020

Specialty Area(s):

Installer Maintainer Service Provider Advanced Designer Advanced Inspector

Designated Certified Individual(s):

Cert #	Name	Certification Expires
C5342	Brian L Humpal	10/15/2023
	Installer, Maintainer, Serv Prov,	Adv Designer, Adv Inspector
C9852	Christopher R Uebe	3/4/2024
	Designer, Inspector	



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

Mich Haig

Nick Haig, Supervisor Certification and Training Unit