## **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 TR	EATMENT SYSTE	M (SSTS) COMPLIANCE REPORT
Date: 8/23/2021 & 8/24/2021	<b>Time:</b> 1:30 PM	Owner: Kelly Comer
<b>Inspection Address:</b> 7807 64 <sup>th</sup> St	N, Pine Springs, MN	55115

#### **REPORT SUMMARY**

I have performed an "MPCA Compliance Inspection" on this system and have reviewed the original design/permit records on file at Washington County. This very old system (installed in 1979) consists of a pre-cast septic tank, a pre-cast lift tank, and a rock trench drainfield. Pinky's Sewer Service pumped the tanks on August 24, 2021.

Predicated on my inspection of the system and my review of the original design/permit 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.

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**Brian Humpal** 

Brian Humpal

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#### 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:	Reason for Inspection	Property Transfer
Local regulatory authority info: Washington County		
Property address: 7807 64 <sup>th</sup> St N, Pine Springs, MN 55115		
Owner/representative: Kelly Comer Owner's phone: 651-777-0156		Owner's phone: 651-777-0156
Brief system description: A pre-cast septic tanks, a pre-cast lift t	ank, and a rock trench drair	nfield.

#### System status

System status on date (mm/dd/yyyy): 8/24/2021

#### 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**

#### 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

Certification	number:	5342/9852

Inspector signature:

Brian Humpal

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

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Property Address:	7807 64 <sup>th</sup> St N, Pine Springs, MN 55115

Business Name: Midwest Sewer Services

Date: 8/24/2021

#### **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 ☐ Yes* ⊠ No dwelling or establishment.		
Any "yes" answer above indicates the system is an imminent threat to public health and safety.		

Describe verification methods and results:

None of the above found.

#### 2. Tank integrity – Compliance component #2 of 5

Compliance criteria:		Attached supporting documentation	on:	
System consists of a seepage pit,	🗌 Yes* 🛛 No	Empty tank(s) viewed by inspector		
cesspool, drywell, leaching pit, or other pit?		Name of maintenance business:	Pinky's Sewer Service	
Sewage tank(s) leak below their	🗆 Yes* 🛛 No	License number of maintenance busir	ess: <u>L1673</u>	
designed operating depth?		Date of maintenance:	8/24/2021	
		Existing tank integrity assessment (At	tach)	
If yes, which sewage tank(s) leaks:		Date of maintenance (mm/dd/yyyy): (must be wit	hin three years)	
Any "yes" answer above indicates the system is failing to protect groundwater.		(See form instructions to ensure asse Minn. R. 7082.0700 subp. 4 B (1))	ssment complies with	
		Tank is Noncompliant (pumping not nec	essary – explain below)	
		☐ Other:		
Describe verification methods and	l results:			

We were unable to locate a manhole in the septic tank using a camera and had to pump through the inspection pipe.

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Property Address:	7807 64" St N, Pine Springs, MN 55115
Business Name:	Midwest Sewer Services

Date: 8/24/2021

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

	За.	Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or uns	secured?	
		□ Yes* ⊠ No □ Unknown		
	3b.	Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safe	ety? 🗌 Yes* 🛛 N	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* 🛛 I	No
	3d.	System not abandoned in accordance with Minn. R. 7080.2500?	🗌 Yes* 🛛 I	No
		*Yes to 3c or 3d - System is failing to protect groundwater.		
		Describe verification methods and results:		
		Attached supporting documentation: 🛛 Not applicable 🗌		
4.	Ор	erating permit and nitrogen BMP* – Compliance component #4	of 5 🛛 Not a	pplicable
	Is th	e system operated under an Operating Permit?	lf "yes", A belo	ow is required
	Is th	e system required to employ a Nitrogen BMP specified in the system design?   Yes  No	lf "yes", B belo	ow 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?  $\hfill Yes \hfill No$ 

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)

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Property Address:	7807 64 <sup>th</sup> St N, Pine Springs, MN 55115
Business Name:	Midwest Sewer Services

### 5. Soil separation – Compliance component #5 of 5

Date of installation <u>1979</u> (mm/dd/yyyy)	_ 🗌 Unknown		
<ul> <li>Shoreland/Wellhead protection/Food beverage lodging?</li> <li>Compliance criteria (select one):</li> <li>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:</li> <li>Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.</li> </ul>	⊠ Yes □ No	<ul> <li>Attached supporting documentation:</li> <li>Soil observation logs completed for th</li> <li>Two previous verifications of required</li> <li>Not applicable (No soil treatment area</li> <li>Reviewed design and permit records.</li> <li>Wellhead protection area.</li> </ul>	vertical separation
<ul> <li>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:</li> <li>Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*</li> </ul>	⊠ Yes □ No*	Indicate depths or elevations         A. Bottom of distribution media         B. Periodically saturated soil/bedrock         C. System separation         D. Required compliance separation*         *May be reduced up to 15 percent if allo Ordinance.	See Attached Boring Log(s)
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, 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.

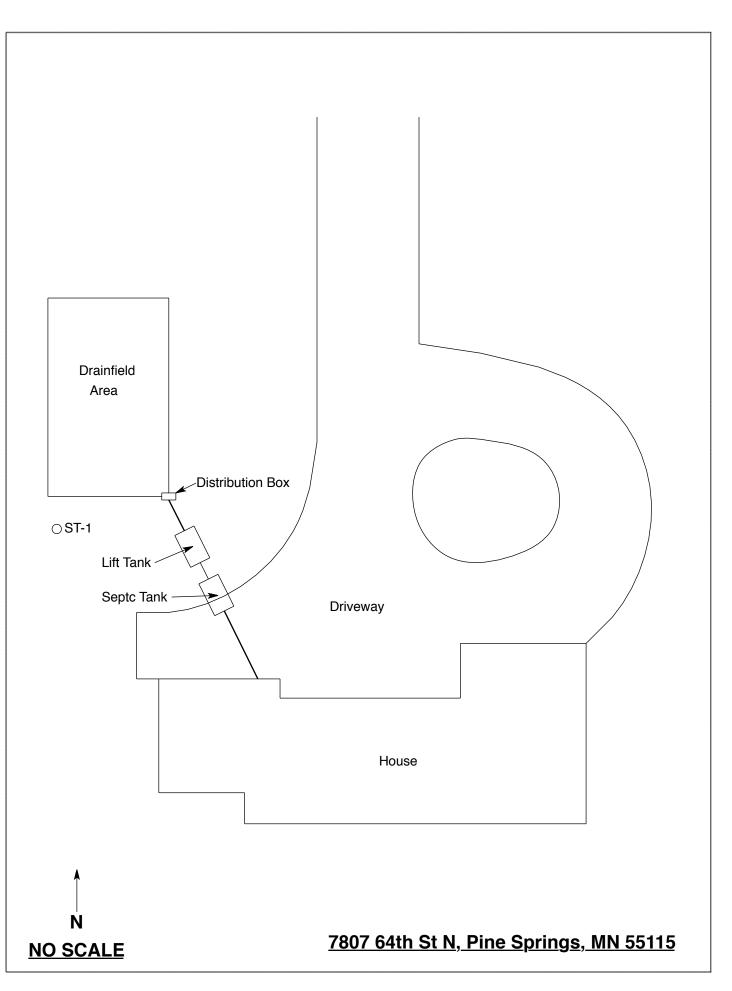
Date: 8/24/2021

#### <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: 8/23/2021 & 8/24/2021	Time: 1:30 PM			
Property Address: 7807 64 <sup>th</sup> St N, Pine Springs, MN	Zip: 55115			
Property Owner: Kelly Comer	Phone: 651-777-0156			
Tank(s)       Tank(s)Material       Soil Treatment System         Septic       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 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: 1979 Year septic installed: 1979	Tank size (gals.): 1-1200			
	esidents in home?			
Number of bedrooms? 3 Are all floors drained by g				
Garbage disposal? Whirlpool bath?				
More than one system (laundry, etc.)?				
Does this property have any footing drain tiles connected to the septic system?				
Are any buildings on this property such as garages or out-buildings connected to this system?				
Are there any additional systems on this property serving other buildings?				
Location of septic system on lot? North Side				
Location of water well on lot?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? 8/24/2021Name 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:



## Soil Observations Log

Location of Project: 7807 64th St N, Pine Springs, MN 55115							
Ob			Midwest Sewer Ser			Date:	8/23/2021
C	lassific	ation System:	USDA				
	Soil	Observation:	ST-1		Soil C	bservation:	
Elevat	Surface Elevation of Observation		Elevat	face tion of vation			
Depth In Inches	Rock %	<u>Soils E</u>	ncountered	Depth In Inches	Rock %	Soils Encountered	
0-14 14-24 24-54 54-58 58-61		10 3/4 7.5YR 3/4 9 7.5YR 3/4 9 7.5YR 10YR 4/3	2 Loamy Sand Loamy Sand 4 Sandy Loam Sandy Loam With 5/8 Redox 8 Medium Sand				
54"	Depth T	o End Of Soil O	bservation Or Redox	rvation Or Redox Depth To En		o End Of Soil	Observation Or Redox
Same	Elevatio	tion Of Observation Relative To System			Elevation Of Observation Relative To System		
-20" Depth To Bottom Of Distribution Media			Depth To Bottom Of Distribution Media				
=34" Of Separation			Of Sepa				
End		Observation At:	61"	End Of		servation At:	
	Redox Present At: 54"				x Present At:		
Stan	Standing Water Present At: None		Standi	ng Wate	r Present At:		

Bottom Of Distribution Medium At: 20 Inches

Signature:

Afren Va

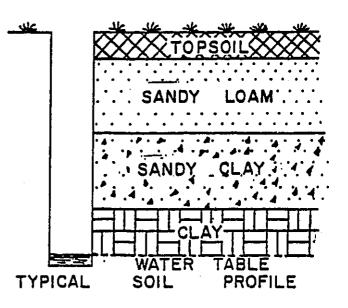
-SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer Is encountered should be recorded.



LOG OF SOIL BORINGS							
BOR	NG NO. I	BOR	ING NO. 2	BORI	NG NO. 3	BORI	NG NO. 4
DEPTH JN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIBTION	DEPTH- IN FEET	SOIL DESCRIPTION
Ũ	Brown MED.	0	Brown Find	0	GROWNFINE	0	Brown Meo,
1/2	SANDY LOAM	1/2	SILTY SAND	1/2	SILTY LOAM	1/2	SANDY LOAM
1	4 BOCKS		+ Bocks	1	1/2"	1	
11/2		11/2		11/2	LT. Brown	11/2	15"
2		2	Î l	2	SILTY CIAY	2	Brown SAND
21/2		21/2		21/2	30"	21/2	ciny + 18"
3	+ 36	3	¥ 36"	3	LT. BYOWN	3	LT. BYOWN
. 31/2	Brown SANDY	31/2	LT. Brown	31/2	NED. SAND FEOCKS IS.	31/2	SILTY CINY
4	CIAY I.S. Silty Clay	4	FINE SAND	4		4	
41/2	+ COCKS 50"	41/2	+20cKS + 45"	41/2	1 1	41/2	+ 40"
5	Brown Fine	5	Brown MeD.	5	• Co"	5	Erswn MED. I.S. Sand
51/2	T.S. SAND (Meist)	51/2	I.S. SAND SM. ROCKS	51/2	Brown Fine	51/2	45"
6	62"	6	+ 58"	6	BEACH SAND VEICKS I.S.	6	Brown SANDY Clay IS.
61/2	Brown MED.		Brown Five	61/2	+ 66" Mortles 67"	61/2	+ 61"
7	SAND. I.S. Mottles	7	MOIST) I.S. SAND 63"	7		7	STOWN FINE
71/2	+FOCKS .	71/2	بمريدة بولد والتحاق	71/2	END GOZE	71/2	<u> </u>
8	HEAVY MOTILE	8	LOAMY SAND VEICES T.S.	8	i i	8	LT. Brown Fine Silty MOTTLED
81/2	73"	81/2	(52M) 67"	81/2	• .	81/2	SAND 68"
9		9	MOTTLED Brok FINE LOWMY	SAND		9	END BORE

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## **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 1<sup>st</sup> through April 1<sup>st</sup>) 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