Midwest Sewer Services

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

Brian Humpal

MPCA Licensed Advanced Inspector

SUBSURFACE SEWAGE TREATMENT SYSTEM (SSTS) COMPLIANCE REPORT

Date: June 3, 2021 **Time:** 3:15 PM **Owner:** Brad & Jolene Halberstadt

Inspection Address: 8375 80th St N, Grant, MN 55082

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 2013, which were on file at Washington County. This system consists of two pre-cast septic tanks, a pre-cast lift tank, and a mound. Pinky's Sewer Service pumped the septic tanks and lift tank on June 3, 2021.

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.

Christopher Uebe

Brian Humpal

Brian Humpal



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: 8375 80 th St N, Grant, MN 55082		
Owner/representative: Brad & Jolene Halberstadt		Owner's phone:
Brief system description: Two pre-cast septic tanks, a pre-cast \ensuremath{I}	ift tank, and a mound.	
System status		
System status on date (mm/dd/yyyy): _6/3/2021		
☐ Compliant – Certificate of compliance*	☐ Noncompliant – Notice	ce of noncompliance
(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and		ound water must be upgraded, replaced, or ime required by local ordinance.
abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)	upgraded, replaced, or its us	health and safety (ITPHS) must be e discontinued within ten months of receipt
*Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.	of this notice or within a shor under section 145A.04 subdi	ter period if required by local ordinance or ivision 8.
Reason(s) for noncompliance (check all applicate	ole)	
☐ Impact on public health (Compliance component #1) – Immi	nent threat to public health a	nd safety
☐ Tank integrity (Compliance component #2) – Failing to prote	ct groundwater	
$\hfill \Box$ Other Compliance Conditions (Compliance component #3) -	- Imminent threat to public he	ealth and safety
☐ Other Compliance Conditions (Compliance component #3) -	- Failing to protect groundwa	ter
System not abandoned according to Minn. R. 7080.2500 (Co		Failing to protect groundwater
Soil separation (Compliance component #5) – Failing to pro	•	
Operating permit/monitoring plan requirements (Compliance	component #4) – Noncomp	liant - local ordinance applies
Comments or recommendations		
Certification		
I hereby certify that all the necessary information has been gathered future system performance has been nor can be made due to unknowinadequate maintenance, or future water usage.		
By typing my name below, I certify the above statements to be true used for the purpose of processing this form.	and correct, to the best of my	knowledge, and that this information can be
Business name: Midwest Sewer Services		Certification number: C5342/C985
Inspector signature: Brian Humpal Home	<u></u>	License number: L2896
(This document has been electronically sign	ned)	Phone: 651-492-7550
Necessary or locally required supporting do	cumentation (must b	e attached)
oximes Soil observation logs $oximes$ System/As-Built $oximes$ Locally red	quired forms 🛮 Tank Integr	ity Assessment
Other information (list): Report Summary, Property Informa	tion, Disclaimer, License	

ss Name: Midwest Sewer Services		Date: <u>6/3</u>	3/2021
npact on public health – Co	omnlianco com	conent #1 of 5	
·	omphance comp		
Compliance criteria:	□ Vaa* □ Na	Attached supporting documentation	1:
System discharges sewage to the ground surface	☐ Yes* ⊠ No	Other:	
System discharges sewage to drain	☐ Yes* ☒ No	☐ Not applicable	
tile or surface waters.			
System causes sewage backup into dwelling or establishment.	☐ Yes* ⊠ No		
Any "yes" answer above indicates imminent threat to public health as			
Describe verification methods and	d results:		
None of the above found.			
ink integrity – Compliance	e component #2	of 5	
	component #2		
nk integrity – Compliance Compliance criteria:	e component #2	of 5 Attached supporting documentation	:
Compliance criteria:	· 	Attached supporting documentation	:
Compliance criteria: System consists of a seepage pit,	e component #2		:
Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit,	· 	Attached supporting documentation	
Compliance criteria: System consists of a seepage pit,	· 	Attached supporting documentation	
Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	☐ Yes* ⊠ No	Attached supporting documentation ☑ Empty tank(s) viewed by inspector Name of maintenance business:	Pinky's Service
Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit,	· 	Attached supporting documentation ⊠ Empty tank(s) viewed by inspector Name of maintenance business: License number of maintenance busine	Pinky's Service
Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? Sewage tank(s) leak below their	☐ Yes* ⊠ No	Attached supporting documentation Empty tank(s) viewed by inspector Name of maintenance business: License number of maintenance busine Date of maintenance:	Pinky's Service
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Pro	operty Address: 8375 80 th St N, Grant, MN 55082	
	siness Name: Midwest Sewer Services	Date: 6/3/2021
3.	Other compliance conditions – Compliance component #3 of 5	
	3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unso	ecured?
	☐ Yes* ☒ No ☐ Unknown	
	3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safe	ty? ☐ 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:	
	Attached supporting documentation: ⊠ Not applicable □	
	Attached supporting documentation. A Not applicable	
4.	Operating permit and nitrogen BMP* – Compliance component #4 c	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 complete	d.
	Compliance criteria:	
	a. Have the operating permit requirements been met?	
	b. Is the required nitrogen BMP in place and properly functioning? $\ \square$ Yes $\ \square$ No	
	Any "no" answer indicates noncompliance.	
	Describe verification methods and results:	
	Attached supporting documentation: Operating permit (Attach)	

https://www.pca.state.mn.us
wq-wwists4-31b • 4/28/2021

perty Address: 8375 80 th St N, Grant, MN 55082 siness Name: Midwest Sewer Services			Date: <u>6/</u> 3	3/2021		
Soil separation – Compliance com	nponen	t #5 of	5			
Date of installation 2004 (mm/dd/yyyy)	☐ Unkno	wn				
Shoreland/Wellhead protection/Food beverage lodging?	⊠ Yes □ No		Attached supporting documentation:			
On any linear anitaria (a da da ara)				☐ Soil observation logs completed for the report		
Compliance criteria (select one):	Т		☑ Two previous verifications of required vertical separatio☑ Not applicable (No soil treatment area)			
5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead	∐ Yes ∣	☐ No*				
Protection Area or not serving a food,			Reviewed previous compliance inspection from 2013.			
beverage or lodging establishment:			Reviewed design and permit records.			
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.			Wellhead protection area.			
5b. Non-performance systems built	⊠ Yes □ No*	☐ 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			A. Bottom of distribution media	See Attached Boring Log(s)		
food, beverage, or lodging establishment:			B. Periodically saturated soil/bedrock			
Drainfield has a three-foot vertical			C. System separation			
separation distance from periodically saturated soil or bedrock.*			D. Required compliance separation*			
			*May be reduced up to 15 percent if allo Ordinance.	owed 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)	☐ Yes	□ No*				
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.						

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.

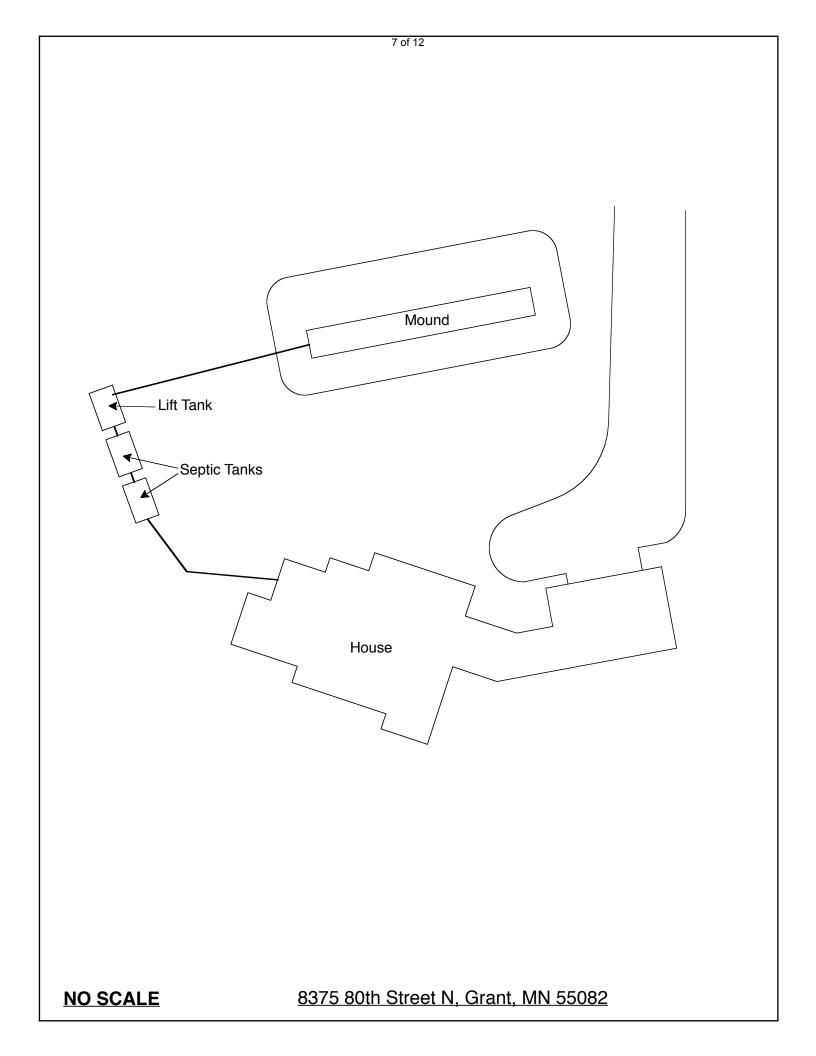
Describe verification methods and results:

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

This inf	formation will be used for	or the purpose of co	onducting an MPCA	Complian	ce Inspection.			
Date of Inspection:	June 3, 2021			Time:	3:15 PM			
Property Address:	8375 80 th St N, C	Grant, MN		Zip:	55082			
Property Owner:	y Owner: Brad & Jolene Halberstadt							
Tank(s) Septic 2 Aerobic Lift Holding Other:	Tank(s)Material ☐Fiberglass ☐Plastic ☐Metal ☐Concrete ☐Block ☐Other	□Roc □Gra □Cha	eatment System k trench velless trench mber trench page bed und	□Expe □Cess	Other rnative system erimental system pool system r system			
	the maintenance h	noles. Mainte	nance hole cove	ers shou	ber maintenance must be ld be made accessible to em.			
Year house built: 2	003 Year s	septic installed	1: 2004	Tank siz	ze (gals.): 1-1500, 1-1000			
How long has selle	r owned the prope	erty?	Number of re	sidents	in home?			
Number of bedroom	ns? 5	Are all floo	rs drained by g	ravity?				
Garbage disposal?		7	Whirlpool bath?)				
More than one syst	em (laundry, etc.)	?						
Does this property								
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		rth Side						
Location of water v					deep well? Y			
-			•		ots, sewage back-ups, e any repairs been made			
When was the syste	em last pumped? 6	6/3/2021	Name of pur	per: Pin	ky's Sewer Service			
How often pumped	l in previous years	?	Is system	n on a m	onitoring 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								

Date:

Owner/Occupant:



Log Of Soil Borings

Location of Project: 8375 80th Street N, Grant, MN 55082					
Borings Made By: Inspect Minnesota				Date:	2/27/13
Auger Used: Hand/Bucket		Classi	ification System:	USDA	
	Boring Number: 1			Boring Number:	
	Surface Elevation of S9" Below top of mound on edge		Surface Elevation Boring		
Depth In Inches	Soils E	ncountered	Depth In Inches	Soils Er	ncountered
0-8 8-18 18-30 30-48	10YR 3/3 Loar 7.5YR 2.5/3 5YR 4 7.5YR 4/4 S	oam (Mound Fill) n (Original Topsoil) Sandy Loam With 4/6 Redox Sandy Loam With 10YR 6/2 Redox			
18"	Depth To End Of Boring Or Redox			Depth To End Of Bo	oring Or Redox
+59"	Elevation Of Boring Relative To System			Elevation Of Boring	Relative To System
-28" Depth To Bottom Of System			Depth To Bottom O	of System	
=49" Of Separation		(Of Separation		
End Of Boring At: 48"			End Of Boring At:		
Redox Present At: 18"			Redox Present At:		
Standing Water Present At: None			Water Present At:		

Bottom Of Distribution Medium At: 28 Inches	

BOREHOLE DIAMETER 4" HAND AUGER

NAN LANG PARCEL B-Z, 80TK ST. CITY OF GRANT

5-10-02

BORING LOG

SOILS WERY WAT FROM

RAINFALL & SNOWMENT

DEPTH HOLE #1 HOLE #2 HOLE #3 HOLE #4 HOLE #5 HOLE #6 FEET TOP SOIL-TOP SOIL -TOP SOIL-TOP SOIL-TOP SQIL-TOP SOIL-SANDY LOAM SANDY LOAM SANDY LOAM SANDY LOAM SANDY LOAM. SANDY LOAM BROWN, SANDY BROWN, SANDY BROWN, SANDY - BROWN, SANDY. BROWN, SANDY LOAM -LOAM MADA LOAM LOAM -BREWN, SANDY BROWN, SANRY BAQUN, SANDY BROWN, SANDY SOIL IS DAMP SOIL IS DAMP LOAM - WET- IRON LOAM-LOAM -LOAM-2 REDDISH BROWN - REDDISH BROWN, REPDISH BROWN SOIL IS WET MOTTLED SOIL SOIL IS WET SANDY LOAM -SANDY LOAM! SANDY LOAM -REDDISH BROWN REDDISH BROWN SOIL IS WET SANDY LOAM -MOTTLED SOIL -SANDY LOAM-MOTTLED SOIL - MOTTLED SOIL REDDISH BROWN, -MOTTLED SOIL SANDY LOAM-·Mathed Soil SOIL IS DRY SOIL IS WET I SOIL IS WET -SOIL IS DRY MOTTLED SOIL -SOIL IS DRY SOIL IS DRY STOP STOP 570P STOP STOP STOP WET 18" MOTTLE 18"-24" + MOTTLE 19" W∈T 18" MOTTLE 24" MOTTLE 24"

DATE 5-10 4 13-02

BORING LOG

10 of 12

BORINGS 18 DAYS
LATER TO VERIFY
WATER TABLE
BOREHOLE DIAMETER 4" HAND BUGER

1766 A UF G

DEPTH SOIL HOLE #.7 HOLE # HOLE #8 HOLE #9 HOLE #10 FEET CLASSIFICATION TOP SOIL-TOP SOIL-TOP SOIL-BROWN LOAM TOP SOIL-TOP SOIL-SANDY LOAM 7,54A SANDY LOAM. 4/4 SANDY SANDY 1 BAOWN, SANDY BROWN, SANDY BROWN LOAM BROWN, SANDY LOAM LOAM 7.5 YA LOAM 4/4 BROWN, SANDY BROWN, SANDY BROWN, SANDY LOAM-LOAM-LOAM-2 REDDISH BROWN REDDISH BARWN LOAM MOTTLED SOIL -SOIL IS WET SOIL IS WET SANDY LOAM --5/4 2.5 YR SOIL IS WET REDDISH BROWN REDDISH BROWN. REDDISH BROWN .. MOTTLED SOIL SANDY LOAM -SANDY LOAM -SANDY LOAM -MOTTLED SOIL -MOTTLED SOIL -MOTTLED SOIL-SOIL IS WET SOIL IS WET SOIL IS WET STOP STOP 570P STOP 5 -WET 18" MOTTLE 18" w∈r 18" MOTTLE 24" 6 -WATER TABLE HAS DRORPED VERY LITTLE IN 18 DAYS -5-10 to 5-28-2002

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

Non-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