## **Midwest Sewer Services**

P.O. Box 10853 White Be	Brian Humpal			
651-492-7550/Brian@Mid	MPCA Licensed Advanced Inspector			
SUBSURFACE SEWAGE	TREATMENT SYSTEM	M (SSTS) COMPLIANCE REPORT		
Date: June 6, 2022	<b>Time:</b> 2:15 PM	Owner: Glenn Barr		
Inspection Address: 10257 152 <sup>nd</sup> St N, Hugo, MN 55038				

### **REPORT SUMMARY**

I have performed an "MPCA Compliance Inspection" on this system and have reviewed the previous compliance inspection from 2010 on file at Washington County. This very old system (installed in 1987) consists of a pre-cast septic tank and a rock trench drainfield. It should be noted that the average life expectancy of a septic system is approximately 30 years. Olson's Sewer Service pumped the septic tank on June 6, 2022.

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 Humpol

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/wg-wwists4-31a.pdf.

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Property information	Local tracking	g number:
Parcel ID# or Sec/Twp/Range:	Reason for Inspection	Property Transfer
Local regulatory authority info: Washington County		
Property address: <u>10257 152<sup>nd</sup> St N, Hugo, MN 55038</u>		
Owner/representative: Glenn Barr		Owner's phone: <u>651-900-1621</u>
Brief system description: A pre-cast septic tank and rock trenc	h drainfield.	

### System status

System status on date (mm/dd/yyyy): 6/6/2022

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 quarantee 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 Brian Humpal Atter Inspector signature: License number: L2896 (This document has been electronically signed) 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

Property Address:	10257 152 <sup>110</sup> St N, Hugo, MN 55038
Duralia and Managar	

Business Name: Midwest Sewer Services

Date: 6/6/2022

### 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:
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	No Empty tank(s) viewed by inspector			
cesspool, drywell, leaching pit, or other pit?		Name of maintenance t	Olson's Sewer Service		
Sewage tank(s) leak below their	🗌 Yes* 🛛 No	License number of maintenance business: L216			
designed operating depth?		Date of maintenance:		6/6/2022	
		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 indic is failing to protect groundwat	-	(See form instructions t Minn. R. 7082.0700 sub		nent complies with	
		Tank is Noncompliant (	pumping not necess	ary – explain below)	
		Other:			

Describe verification methods and results:

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Property Address:	10257 152 <sup>nd</sup> St N, Hugo, MN 55038
Business Name:	Midwest Sewer Services

nd

Date: 6/6/2022

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

	За.	Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsee	cured?		
		□ Yes* ⊠ No □ Unknown			
	3b.	Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety	/? □ Yes*	🛛 No 🔲 Unknown	
		*Yes to 3a or 3b - System is an imminent threat to public health and safety.			
	3c.	System is non-protective of ground water for other conditions as determined by inspector?	□ Yes*	🖾 No	
	3d.	System not abandoned in accordance with Minn. R. 7080.2500?	□ Yes*	🖾 No	
		*Yes to 3c or 3d - System is failing to protect groundwater.			
		Describe verification methods and results:			
		Attached supporting documentation: 🛛 Not applicable			
Δ.	On	erating permit and nitrogen BMP* – Compliance component #4 of	f5 🖂 N	ot applicable	
	99				
	Is th	e system operated under an Operating Permit?	f "yes", A l	pelow is required	
	ls th	e system required to employ a Nitrogen BMP specified in the system design? $\square$ Yes $\square$ No $\square$	f "yes", B l	pelow is required	
		BMP = Best Management Practice(s) specified in the system design			
	lf th	e answer to both questions is "no", this section does not need to be completed	Ι.		
	Con	npliance criteria:			

a. Have the operating permit requirements been met?

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:	10257 152 <sup>110</sup> St N, Hugo, MN 55038
Business Name:	Midwest Sewer Services

Date: 6/6/2022

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

Date of installation 1987 (mm/dd/yyyy)	Unkr	nown		
Shoreland/Wellhead protection/Food beverage lodging? Compliance criteria (select one): 5a. For systems built prior to April 1, 1996, and	☐ Yes	⊠ No	Attached supporting documentation: Soil observation logs completed for th Two previous verifications of required Not applicable (No soil treatment area	vertical separation
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.			Reviewed previous compliance insper	
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			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.	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.

MINNESOTA POLLUTION CONTROL AGENCY

# Sewage tank integrity assessment form

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

### Subsurface Sewage Treatment Systems (SSTS) Program

Doc Type: Compliance and Enforcement

Purpose: This form may be used to certify the compliance status of the sewage tank components of the SSTS. This form is not a complete SSTS inspection report, only a tank integrity assessment, and may only certify sewage tank compliance status when entirely completed and signed by a qualified professional. SSTS compliance inspection report forms can be found at: <a href="https://www.pca.state.mn.us/water/inspections">https://www.pca.state.mn.us/water/inspections</a>.

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**Instructions:** This form may be completed, and signed, by a Designated Certified Individual (DCI) of a licensed SSTS inspection, maintenance, installation, or service provider business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system. Only a licensed maintenance business is authorized to pump the tank for assessment. A copy of this information should be submitted to the system owner and be maintained by the licensed SSTS business for a period of five (5) years from the assessment date.

When this form is signed by a qualified certified professional, it becomes necessary supporting documentation to an Existing System Compliance Inspection Report: <u>Compliance inspection form - Existing system (wq-wwists4-31b)</u>. This form can be found on the MPCA website at <u>https://www.pca.state.mn.us/water/inspections</u>.

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 an inspection report. This form represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4(B)(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(B),(C), and (D) and; Minn. R. 7083.0730(C).

### **Owner information**

Owner/Representative Danielle Malaughlin 1	Glenn Barr
Property address: 10257 152nd St	
Local Regulatory Authority:	Parcel ID:

### System status

System status on date (mm/dd/yyyy):	6/4	6/22	
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Certificate of sewage tank compliance

### Notice of sewage tank non-compliance

### **Compliance criteria:**

The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit - "Failure to Protect Groundwater."	Ves* No
The SSTS has a sewage tank that leaks below the designed operating depth - "Failure to Protect Groundwater."	Yes* TNo
The SSTS presents a threat to public safety by reason of structurally unsound (damaged, cracked, or weak) maintenance hole cover(s) or lids or any other unsafe condition - "Imminent Threat to Public Health or Safety."	Yes* 🖾 No

Any "yes" answer above indicates sewage tank non-compliance.

### Company information

Designated Certified Individual (DCI) information
Designated Certified Individual (DCI) information Print name: Mark Stadler
Certification number: CI937

I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS inspection, maintenance, installation, or service provider Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS.

By typing/signing 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.

Designated Certified Individual's signature:

Company name: Olson's Sewer Service, Inc.

Business license number: \_\_\_\_\_216

(This document has been electronically signed.)

Date (mm/dd/yyyy):

# Midwest Sewer Testing

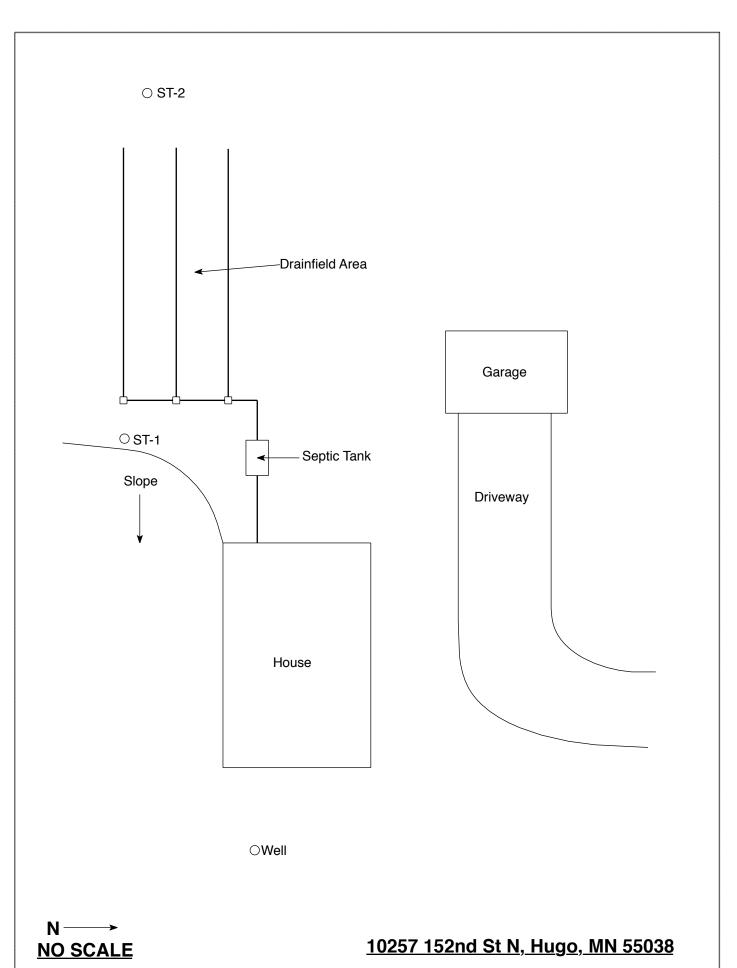
### Subsurface Sewage Treatment System Owner/Property Information

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

Date of Inspection: June 6, 2022	Time: 2:15 PM					
nd nd						
Property Address: 10257 152 <sup>nd</sup> St N, Hugo, MN	Zip: 55038					
Property Owner: Glenn Barr	Phone: 651-900-1621					
Tank(s)       Tank(s)Material       Soil Treatment System         Septic 1       Fiberglass       Rock trench         Aerobic       Plastic       Gravelless trench         Lift       Metal       Chamber trench         Holding       Concrete       Seepage bed         Other:       Block       Mound         Other       At-grade	Other Alternative system Experimental system Cesspool system Other system					
Are the tank maintenance covers accessible? $\boxtimes$ Yes $\square$ No *If	no, proper maintenance must be					
performed through the maintenance holes. Maintenance hole cover						
the ground surface to facilitate access and proper maintenance of t	he system.					
Year house built: 1987 Year septic installed: 1987	Tank size (gals.): 1250					
I	sidents in home?					
Number of bedrooms? 3 Are all floors drained by g						
Garbage disposal? N Whirlpool bath?						
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? West Side						
Location of water well on lot? East 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:						
	per: Olson'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	2					
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: 10257 152nd St N, Hugo, MN 55038							
	oservati	ons Made By:	Midwest Sewer Ser			Date:	6/6/2022	
C	lassific	ation System:	USDA					
	Soil Observation: ST-1			Soil C	bservation:	ST-2		
		-	nd surface as last field trench			-	ound surface as last ainfield trench	
Depth In Inches	Rock %	<u>Soils E</u>	ncountered	Depth In Inches	Rock %	<u>Soils</u>	Encountered	
0-2 2-13 13		7.5YR 3/4 7.5YR 3/4	Fine Sandy Loam Fine Sandy Loam Loamy Fine Sand sturbed	0-30 30-60		Soils Encountered 7.5YR 3/4 Sandy Clay Loam 7.5YR 4/4 Loamy Sand		
	Depth To End Of Soil Observation Or Redox			60"	Depth T	o End Of Soil	Observation Or Redox	
Elevation Of Observation Relative To System				Elevation Of Observation Relative To System				
Depth To Bottom Of Distribution Media			-33"					
Of Separation			≥27"	Of Sepa	ration			
End	End Of Soil Observation At:			End Of	Soil Oh	convation At.	60"	
	Limiting Soil Conditions At:			End Of Soil Observation At:60"Limiting Soil Conditions At:None				
	Standing Water Present At:					r Present At:	None	
Standing Water Present At.			Stand	ing wate		NULLE		

Bottom Of Distribution Medium At: 33 Inches

Signature:

After the

# Log Of Soil Borings

Location of Project: 10257 152nd St N, Hugo, MN 55038						
Borings Made By: Inspect Minnesota				Date:	7/13/10	
	Auger Used: Hand/Bucket		Classif	fication System:	USDA	
В	Boring Number: 1		Boring Number:			
Surface Elevation of Boring	Same ground surface as drainfield at end of last drainfield trench		Surface Elevation o Boring	of		
Depth In Inches	Soils Encountered		Depth In Inches	<u>Soils Er</u>	ncountered	
0-9 9-36 36-48 48-72	5YR 4/4 S 5YR 4/4	A 3/4 Loam andy Clay Loam - Loamy Sand my Sand & Gravel				
72" De	epth To End Of E	Boring Or Mottled Soils	Depth To End Of Boring Or Mottle		oring Or Mottled Soils	
Same El	evation Of Boring Relative To System		Elevation Of Boring Relative To System			
-35" Depth To Bottom Of System		Depth To Bottom Of System				
≥37" Of Separation		C	Of Separation			
	nd Of Boring Att	72"		End Of Baring Atu		
End Of Boring At: 72" Mottled Soil Present At: None			End Of Boring At:			
			Mottled Soil Present At: Standing Water Present At:			
Standing Water Present At: None Standing Water Present At:						

Bottom Of Distribution Medium At: \_\_\_\_\_35 \_\_\_\_Inches

# **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.