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: December 10, 2019 **Time:** 11:45 AM **Owner:** Tim Holupchinski

Inspection Address: 15616 Upper 34th St S, Afton, MN 55001

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 2016, which were on file at Washington County. This system consists of a pre-cast septic tank, a precast two-compartment septic/lift tank, and a mound.

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.

Christopher Uebe

Brian Humpal

Brian Humpal



Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Instructions: Inspection results based on Minnesota Pollution Control Agency (MP requirements and attached forms – additional local requirements may also apply.	CA) For local tracking purposes:
Submit completed form to Local Unit of Government (LUG) and system owns within 15 days	er
System Status	
System status on date (mm/dd/yyyy): _12/10/2019	
	compliant – Notice of Noncompliance Upgrade Requirements on page 3)
Reason(s) for noncompliance (check all applicable) Impact on Public Health (Compliance Component #1) – Imminent three Other Compliance Conditions (Compliance Component #3) – Imminent Tank Integrity (Compliance Component #2) – Failing to protect grount Other Compliance Conditions (Compliance Component #3) – Failing to Soil Separation (Compliance Component #4) – Failing to protect grount Operating permit/monitoring plan requirements (Compliance Component	nt threat to public health and safety dwater o protect groundwater undwater
Property Information Parcel ID# or Sec/Twp/	Range:
Property address: 15616 Upper 34 th St S, Afton, MN 55001 Reas	son for inspection: Property Transfer
Property address: 15616 Upper 34 th St S, Afton, MN 55001 Reas Property owner: Tim Holupchinski Own or	son for inspection: Property Transfer er's phone: 651-900-3614
Property address:15616 Upper 34 th St S, Afton, MN 55001 Reas Property owner:Tim Holupchinski Own or Owner's representative: Repr	son for inspection: Property Transfer er's phone: 651-900-3614 essentative phone:
Property address:15616 Upper 34 th St S, Afton, MN 55001 Reas Property owner:Tim Holupchinski Own or Owner's representative: Repr	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone: 651-430-6655
Property address:15616 Upper 34 th St S, Afton, MN 55001 Reas Property owner:Tim Holupchinski Own or Owner's representative: Repr Local regulatory authority:Washington County Regulatory	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone: 651-430-6655
Property address:15616 Upper 34 th St S, Afton, MN 55001 Reas Property owner:Tim Holupchinski Own or Owner's representative: Repr Local regulatory authority:Washington County Regulatory Regulatory authority: Pre-cast septic tank, a pre-cast two-compartment sep	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone: 651-430-6655
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Property address:	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone: 1051-430-6655 tic/lift tank, and a mound. the compliance status of this system. No
Property address:15616 Upper 34 th St S, Afton, MN 55001 Rease Property owner:Tim Holupchinski	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone: 1051-430-6655 tic/lift tank, and a mound. the compliance status of this system. No known conditions during system construction,
Property address:15616 Upper 34 th St S, Afton, MN 55001 Rease Property owner:Tim Holupchinski	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone:
Property address: 15616 Upper 34 th St S, Afton, MN 55001 Reast Property owner: Tim Holupchinski Own or Owner's representative: Representative: Pre-cast septic tank, a pre-cast two-compartment seption Comments or recommendations: Certification I hereby certify that all the necessary information has been gathered to determine determination of future system performance has been nor can be made due to unit possible abuse of the system, inadequate maintenance, or future water usage. Inspector name: Brian Humpal/Christopher Uebe Certification Midwest Sewer Services Inspector signature: Washington County Regular Representative: R	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone:
Property address: 15616 Upper 34 th St S, Afton, MN 55001 Reast Property owner: Tim Holupchinski Own or Owner's representative: Representative: Washington County Regulatory authority: Pre-cast septic tank, a pre-cast two-compartment seption Comments or recommendations: Certification I hereby certify that all the necessary information has been gathered to determine determination of future system performance has been nor can be made due to unit possible abuse of the system, inadequate maintenance, or future water usage. Inspector name: Brian Humpal/Christopher Uebe Certification Midwest Sewer Services Inspector signature: Midwest Sewer Services Necessary or Locally Required Attachments	son for inspection: Property Transfer er's phone: 651-900-3614 resentative phone:

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Property address: <u>15616 Upper 34th St S, Afton, MN 55001</u>

Inspector initials/Date: 12/10/2019 **24**

1.	lm	npact on Public Health – Cor	mpliance component #1 o	f 5
2.	Sygror Sygor Sydw An An Co	stem discharge sewage to the bund surface. stem discharge sewage to drain tile surface waters. stem cause sewage backup into relling or establishment. ny "yes" answer above indicates of Imminent Threat to Public Heal of the above found. ank Integrity — Compliance com	th and Safety.	Verification method(s): Searched for surface outlet Searched for seeping in yard/backup in home Excessive ponding in soil system/D-boxes Homeowner testimony (See Comments/Explanation) "Black soil" above soil dispersal system System requires "emergency" pumping Performed dye test Unable to verify (See Comments/Explanation) Other methods not listed (See Comments/Explanation)
<u>Z.</u>		ompliance criteria:	iponent #2 or 5	Verification method(s):
		stem consists of a seepage pit, sspool, drywell, or leaching pit.	☐ Yes ⊠ No	☑ Probed tank(s) bottom☑ Examined construction records
	Se	epage pits meeting 7080.2550 may be npliant if allowed in local ordinance.		 ☐ Examined Constitution records ☐ Examined Tank Integrity Form (Attach) ☐ Observed liquid level below operating depth
	de	wage tank(s) leak below their signed operating depth.	☐ Yes ⊠ No	 ☐ Examined empty (pumped) tanks(s) ☐ Probed outside tank(s) for "black soil"
	Ai	ves, which sewage tank(s) leaks: ny "yes" answer above indica vstem is Failing to Protect Gro		 ☐ Unable to verify (See Comments/Explanation) ☐ Other methods not listed (See Comments/Explanation)
3.	Lo Lif	omments/Explanation: wered underwater camera into tanks in t pump and alarm were operational at ther Compliance Conditions	the time of the inspection.	
	a.	Maintenance hole covers are damaged	d, cracked, unsecured, or app	pear to structurally unsound. ☐ Yes* ☒ No ☐ Unknown
	b.	Other issues (electrical hazards, etc.) to in *System is an imminent threat to put		pact public health or safety. ☐ Yes* ☒ No ☐ Unknown
		Explain:		
	C.	System is non-protective of ground wa *System is failing to protect ground Explain:		rermined by inspector ☐ Yes* ☒ No

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Inspector initials/Date: 12/10/2019 8# () Property address: 15616 Upper 34th St S, Afton, MN 55001 **Soil Separation** – Compliance component #4 of 5 Date of installation: 2003 Unknown Verification method(s): Shoreland/Wellhead protection/Food Beverage ☐ Yes ☐ No Soil observation does not expire. Previous soil Lodging? observations by two independent parties are sufficient, unless site conditions have been altered or local Compliance criteria: requirements differ. For systems built prior to April 1, 1996, and ☐ Yes ☐ No not located in Shoreland or Wellhead ☐ Conducted soil observation(s) (Attach boring logs) Protection Area or not serving a food. ☐ Two previous verifications (Attach boring logs) beverage or lodging establishment: ☐ Not applicable (Holding tank(s), no drainfield) Drainfield has at least a two-foot vertical ☐ Unable to verify (See Comments/Explanation) separation distance from periodically ○ Other (See Comments/Explanation) saturated soil or bedrock. ⊠ Yes □ No Non-performance systems built April 1, Comments/Explanation: 1996, or later or for non-performance Reviewed previous compliance inspection from 2016. systems located in Shoreland or Wellhead Protection Areas or serving a food, Reviewed design and permit records. beverage, or lodging establishment: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.* "Experimental", "Other", or "Performance" ☐ Yes ☐ No Indicate depths of elevations systems built under pre-2008 Rules; Type IV See Attached or V systems built under 2008 Rules (7080. Boring Log(s) A. Bottom of distribution media 2350 or 7080.2400 (Advanced Inspector License required) B. Periodically saturated soil/bedrock Drainfield meets the designed vertical separation distance from periodically C. System separation saturated soil or bedrock. D. Required compliance separation* Any "no" answer above indicates the system is *May be reduced up to 15 percent if allowed by Local Failing to Protect Groundwater. Ordinance. 5. Operating Permit and Nitrogen BMP* – Compliance component #5 of 5 Not applicable ☐ Yes ☐ No If "yes", A below is required Is the system operated under an Operating Permit? Is the system required to employ a Nitrogen BMP? ☐ Yes ☐ No If "yes", B below is required BMP=Best Management Practice(s) specified in the system design If the answer to both questions is "no", this section does not need to be completed. Compliance criteria a. Operating Permit number: ☐ Yes ☐ No Have the Operating Permit requirements been met?

Any "no" answer indicates Noncompliance.

b. Is the required nitrogen BMP in place and properly functioning?

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.

☐ Yes ☐ No

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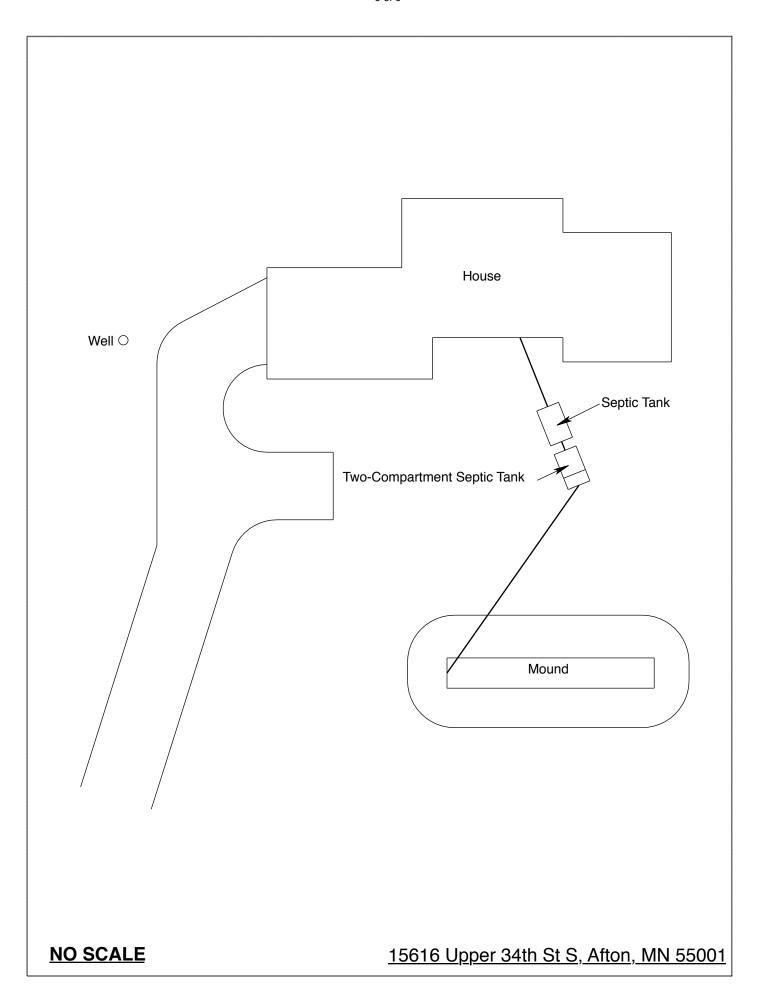
Midwest Sewer Testing

Subsurface Sewage Treatment System Owner/Property Information

This information will be used for the purpose of conducting an MPCA Compliance Inspection. Date of Inspection: December 10, 2019 Time: 11:45 AM Property Address: 15616 Upper 34th St S, Afton, MN Zip: 55001 Tim Holupchinski Property Owner: Phone: 651-900-3614 Tank(s)Material Tank(s) Soil Treatment System Other Septic 1 Fiberglass Rock trench Alternative system Aerobic Plastic Gravelless trench Experimental system Septic/Lift Metal Chamber trench Cesspool system Seepage bed ☐Holding ⊠Concrete Other system ⊠Mound Other: Block Other ☐At-grade Are the tank maintenance covers accessible? ⊠ Yes □ No *If no, proper maintenance must be performed through the maintenance holes. Maintenance hole covers should be made accessible to the ground surface to facilitate access and proper maintenance of the system. Year house built: 1980 Year septic installed: 2003 | Tank size (gals.): 1-1000, 1-1500 2 Comp How long has seller owned the property? Number of residents in home? Number of bedrooms? 3 Are all floors drained by gravity? Lower Pumped 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? 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: When was the system last pumped? 12/2019 Name of pumper: Pinky's Sewer Service How often pumped in previous years? Is system on a monitoring plan? Have you received notices from any government agency concerning this system? Is your property located in a shoreland management area? N Do you have any additional information that should be given to the new owner? I hereby certify that the above information is correct to the best of my knowledge. I also understand that if the system is considered "non-compliant/failing" per MPCA rules, that the inspector must by law submit a copy of this report to the local government unit within 15 days of the date of inspection completion. I also agree that unless otherwise noted in this report, that I/we are ultimately responsible for payment of all fees for all work performed relative to this inspection by Inspect Minnesota and Midwest Soil Testing

Date:

Owner/Occupant:



Log Of Soil Borings

		15616 Upper 34th St	S, Afton,		
E		Inspect Minnesota		Date:	2/8/16
	Auger Used:	Hand/Bucket	Class	ification System:	USDA
	Boring Number:	1		Boring Number:	
Surface Elevation Boring	of 61" below	top of mound on inal contour	Surface Elevation Boring	of	
Depth In Inches	Soils E	ncountered	Depth In Inches	Soils En	countered
0-12 12-32	10YR 4/	/Z Silty Loam 3 Cilty Loam at 32" Bedrock			
32"	Depth To End Of B	oring Or Redox		Depth To End Of Bo	oring Or Redox
+61"	Elevation Of Boring	g Below Top Of Mound		Elevation Of Boring	Relative To System
-23" =70"	Depth To Bottom (Of Separation	Of Distribution Media		Depth To Bottom O Of Separation	f Distribution Media
	End Of Boring At:	32"		End Of Boring At:	
В	edrock Present At:	32"		Redox Present At:	
	Water Present At:	None	Standing	Water Present At:	

Bottom Of Distribution Medium At: 23 Inches

7 of 9

Customer Name: Soil Testing Date:	William Isa 10/2/2003	ncson			Tests Conducted By Designated Reg Pro MPCA License No:	c Orin Koeckeritz	
Site Address:			1	Legal Des	eription:		
15616 upper 34 Afton, MN 5500				Munic	ipality: Washington Count	ty	
Boring Name: 5	Soil Borin	g One					
Boring Elevati Standing Wate Restrictive Lay Predominent	r Depth (In); or Depth (In) Soil Series;	Not Pre	sent	5	estrictive Layer Type; oil Recovery Method: oil Condition:	Impermable Soil Probe Natural	
Soil Profile			,				
	th(In)	Soil Color	Soil Color Descri		Soil Texture		
	to 3	10 yr 3/2	Very Dark Grayisl	Brown	Fine Sandy Loa		
	to 12	10 yr 4/3	Brown		Fine Sandy Cla	ry	
	to 36	10 yr 4/4	Dark Yellowish B	rown	Sandy Gravel		
Comments:	to 60	10 yr 6/8	Brownish Yellow		Sandy Gravel v	w/ Sandstone	
Boring Name: 5	Soil Borin	g Two				***	
Boring Elevati Standing Wate Restrictive Lay Predominent Soil Profile	r Depth (In): er Depth (In) Soil Series:	Not Pre	sent	5	testrictive Layer Type: oil Recovery Method: oil Condition:	Impermable Soil Probe Natural	
Den	th(In)	Soil Color	Soil Color Descri	ntion	Soil Texture		
	10 3	10 yr 3/2	Very Dark Gravisl		Fine Sandy Loa	um - Ton Soil	
	to 43	10 yr 4/4	Dark Yellowish B		Fine Sandy Cla		
43	to 67	10 vr 6/8	Brownish Yellow		Fine Sand w/s		
Comments:	L				L		
Boring Name: 5		g Three					
Boring Elevation Standing Wate Restrictive Lay Predominent	r Depth (In): er Depth (In)	Not Pre	sent	S	estrictive Layer Type: oil Recovery Method: oil Condition:	Impermable Soil Probe Natural	
Soil Profile							
Dep	h(In)	Soll Color	Soil Color Descrip	ption	Soil Texture		
0 1	0 3	10 yr 3/2	Very Dark Grayisl	Brown	Fine Sandy Loa	am - Top Soil	
3 4	0 7	10 yr 4/4	Dark Yellowish B	rown	Fine Sandy Cla	у	
7 1	o 22	5 yr 5/8	Yellowish Red		Fine Sandy Cla	y	
22	o 36	10 ут 6/8	Brownish Yellow		Sandy Grravel	and Sandstone	
Comments:							

Customer Name: William Isa	ncson			nducted By:	Koeckeritz Excava Orin Koeckeritz	ting
Soil Testing Date: 10/2/2003				ied Reg Pro:	Onn Koeckentz 1044	
Site Address:		La	gal Description:			
15616 upper 34th. St. S. Afton, MN 55001			Municipality: Washin	ngton County		
Boring Name: Soil Borin	g Four					
Boring Elevation (Ft):			Restrictive Lay		Impermable Soil	
Standing Water Depth (In):	Not Pre	sent	Soil Recovery N Soil Condition:		Probe Natural	
Restrictive Layer Depth (In)	36		Soil Condition:		Naturai	
Predominent Soil Series:						
Soil Profile			res			
Depth(In)	Soil Color	Soil Color Description		I Texture		
0 to 6	10 yr 5/4	Yellowish Brown		e Sandy Loam	- Top Soil	
6 to 36	10 yr 4/6	Dark Yellowish Brown		e Sandy Clay		
36 to 66	10 yr 5/8	Yellowish Brown		e Sandy Clay		
66 to 82	10 yr 6/8	Brownish Yellow	Fin	e Sand w/ sand	Istone	
Comments:						
Boring Name: Soil Borin	g Five					
Boring Elevation (Ft):			Restrictive Lay	er Type:	Impermable Soil	
Standing Water Depth (In):	Not Pro	sent	Soil Recovery I		Hand Auger	
Restrictive Layer Depth (In)	22		Soil Condition:		Natural	
Predominent Soil Series:						
Soil Profile						
Depth(In)	Sell Color	Soil Color Description	Soi	I Texture		
0 to 8	10 yr 3/2	Very Dark Grayish Bro	wn Fin	e Sandy Loam	- Top Soil	
8 to 22	10 yr 4/4	Dark Yellowish Brown	Fin	e Sandy Clay		
22 10 56	10 yr 6/6	Brownish Yellow	Fin	e Sand w/ sand	istone	
Comments:						
Davidson Names Call Davids	- 6'-					
Boring Name: Soil Boring Boring Elevation (Ft):	ig Six		Restrictive Lay	as Toma:	None Present	
Standing Water Depth (In):	Not Pre	sent	Soil Recovery		Probe	
Restrictive Layer Depth (In)			Soil Condition:		Natural	
Predominent Soil Series:						
			172	I Texture		
Predominent Soil Series: Soil Profile	Seil Color	Sail Color Description				
Predominent Soil Series:	Soil Color	Soil Color Description Very Dark Gravish Bro		e Sandy Loam		
Predominent Soil Series: Soil Profile Depth(In) 0 to 10	10 yr 3/2	Very Dark Grayish Bro	wn Fin	e Sandy Loam	- Top Soil	
Predominent Soil Series: Soil Profile Depth(In) 0 to 10 10 to 22	10 yr 3/2 10 yr 4/3	Very Dark Grayish Bro Brown	wn Fin	e Sandy Clay	- Top Soil	
Predominent Soil Series: Soil Profile Depth(In) 0 to 10 10 to 22 22 to 42	10 yr 3/2 10 yr 4/3 10 yr 4/6	Very Dark Grayish Bro Brown Dark Yellowish Brown	wn Fin Fin	e Sandy Clay e Sandy Clay	- Top Soil	
Predominent Soil Series: Soil Profile Depth(In) 0 to 10 10 to 22	10 yr 3/2 10 yr 4/3	Very Dark Grayish Bro Brown	wn Fin Fin	e Sandy Clay	- Top Soil	
Predominent Soil Series: Soil Profile Depth(In) 0 to 10 10 to 22 22 to 42	10 yr 3/2 10 yr 4/3 10 yr 4/6	Very Dark Grayish Bro Brown Dark Yellowish Brown	wn Fin Fin	e Sandy Clay e Sandy Clay	- Top Soil	
Predominent Soil Series:	10 yr 3/2 10 yr 4/3 10 yr 4/6	Very Dark Grayish Bro Brown Dark Yellowish Brown	wn Fin Fin	e Sandy Clay e Sandy Clay	- Top Soil	

	Iliam Isaacson 72/2003		Tests Conducted By: Designated Reg Pro: MPCA License No:	Koeckeritz Excavating Orin Koeckeritz 1044
Site Address:		Legal	Description:	
15616 upper 34th. St Afton, MN 55001	. S.	м	unicipality: Washington County	
Boring Name: Soil				
Boring Elevation (F Standing Water Dep Restrictive Layer D Predominent Soil:	oth (In): Not Pre- epth (In): 58	sent	Soil Recovery Method: P	mpermable Soil robe latural
Soil Profile				
Depth(In	Soil Color	Soil Color Description	Soil Texture	
0 to 1	0 10 yr 3/2	Very Dark Grayish Brown	Fine Sandy Loam -	Top Soil
10 to 1		Dark Yellowish Brown	Fine Sandy Clay	
18 to 3		Yellowish Red	Sandy Loam	
34 to 4		Strong Brown	Fine Sandy Clay	
44 to 5 Comments:	8 10 yr 4/6	Dark Yellowish Brown	fine sand w/ Sandst	one

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: 12/22/2020

Issued: 11/26/2019

Specialty Area(s):

Installer
Maintainer
Service Provider
Advanced Designer
Advanced Inspector

Designated Certified Individual(s):

Cert # Na

Name

Certification Expires:

C5342

Brian L Humpal

10/15/2023

Installer, Maintainer, Serv Prov, Adv Designer, Adv Inspector

C9852 4

Christopher R Uebe

3/4/2021

Designer, Inspector



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

Nick Haig, Supervisor Certification and Training Unit