Midwest Sewer Services

P.O. Box 10853 White Bea 651-492-7550/Brian@Midv	r Lake, MN 55110 vestsoiltesting.com	Brian Humpal MPCA Licensed Advanced Inspector
SUBSURFACE SEWAGE	TREATMENT SYSTEN	M (SSTS) COMPLIANCE REPORT
Date: August 16, 2023	Time: 1:30 PM	Owner: Aaron Smaagaard

Inspection Address: 5732 Oakridge Ct S, Afton, MN 55001

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 system (installed in 2020) consists of two pre-cast septic tanks, a pre-cast lift tank, and a mound. Pinky's Sewer Service pumped the tanks on August 16, 2023.

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.

the Man

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: <u>5732 Oakridge Ct S, Afton, MN 55001</u>		
Owner/representative: Aaron Smaagaard		Owner's phone: <u>952-237-7747</u>
Brief system description: Two pre-cast septic tanks, a pre-cast life	t tank, and a mound.	

System status

System status on date (mm/dd/yyyy): 8/16/2023

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

Brian Humpal Atu

Certification number: <u>5342/9852</u>

Inspector signature:

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

Property Address: 5732 Oakridge Ct S, Afton, MN 55001

Business Name: Midwest Sewer Services

Date: 8/16/2023

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	Empty tank(s) viewed b	y inspector	
cesspool, drywell, leaching pit, or other pit?		Name of maintenance b	ousiness:	Pinky's Sewer Service
Sewage tank(s) leak below their	🗌 Yes* 🛛 No	License number of mair	ntenance busines	s: <u>L1673</u>
designed operating depth?		Date of maintenance:		8/16/2023
		Existing tank integrity as	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 to Minn. R. 7082.0700 sub		nent complies with
		🗌 Tank is Noncompliant (p	oumping not necess	sary – explain below)
		Other:		

Describe verification methods and results:

Property Address: <u>5732 Oakridge Ct S, Afton, MN 55001</u> Business Name: Midwest Sewer Services

Date: 8/16/2023

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

	3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or uns	ecured?
	☐ Yes* ⊠ No ☐ Unknown	
	3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safe	ety? 🗋 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	
		• -
4.	Operating permit and nitrogen BMP* – Compliance component #4 of	of 5 🛛 Not applicable
	Is the system operated under an Operating Permit?	If "yes", A below is required
	Is the system required to employ a Nitrogen BMP specified in the system design?	lf "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	ed.
	Compliance criteria:	
	a. Have the operating permit requirements been met?	
	b. Is the required nitrogen BMP in place and properly functioning?	

Any "no" answer indicates noncompliance.

Describe verification methods and results:

Business Name: Midwest Sewer Services

Date: 8/16/2023

5. Soil separation – Compliance component #5 of 5

Date of installation 2020 (mm/dd/yyyy)	_ 🗌 Unknown		
Shoreland/Wellhead protection/Food beverage lodging? Compliance criteria (select one): 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: Drainfield has at least a two-foot vertical separation distance from periodically	⊠ Yes □ No	Attached supporting documentation:	vertical separation
saturated soil or bedrock. 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: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	⊠ 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) 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.

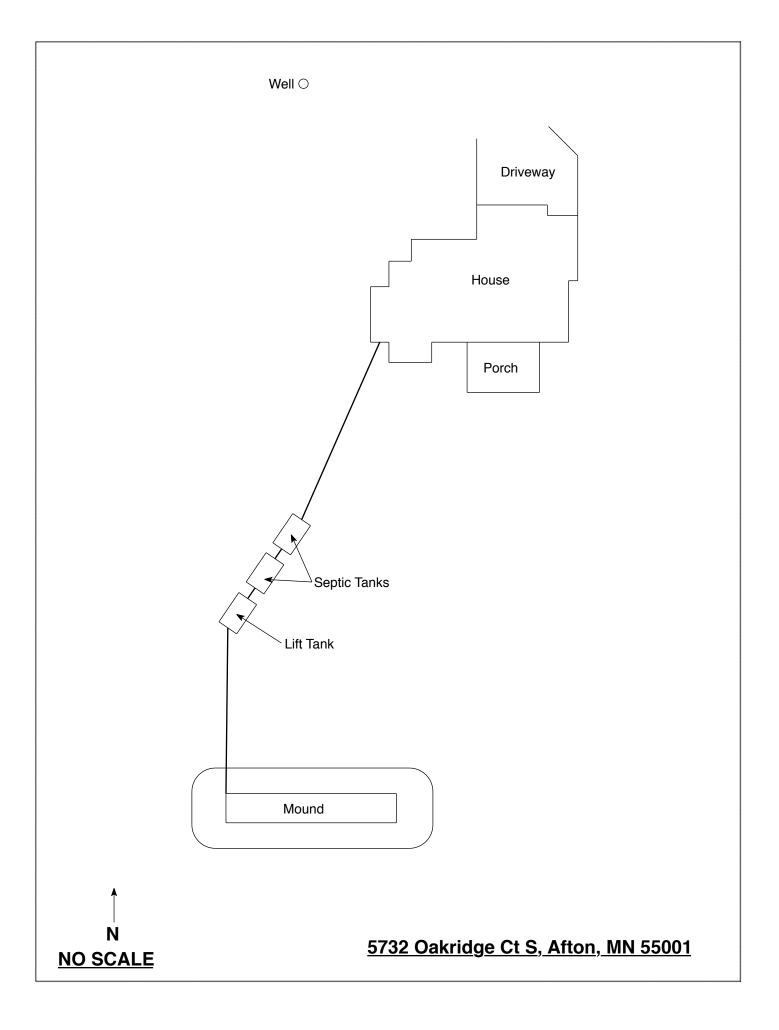
Subsurface Sewage Treatment System Owner/Property Information

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

Date of Inspection: August 16, 2023	Time: 1:30 PM
Property Address: 5732 Oakridge Ct S, Afton, M	N Zip: 55001
Property Owner: Aaron Smaagaard	Phone: 952-237-7747
Tank(s) Tank(s)Material Soil Tr	eatment System Other
	k trench Alternative system
	Velless trench Experimental system
	mber trench Cesspool system bage bed Other system
$\Box \text{ Other:} \qquad \Box \text{Block} \qquad \Box \text{Mon}$	
Other At-	
Are the tank maintenance covers accessible? \boxtimes Y	es \Box No *If no, proper maintenance must be
performed through the maintenance holes. Mainte	
the ground surface to facilitate access and proper n	
	-
Year house built: 2020 Year septic installed	
How long has seller owned the property?	Number of residents in home?
	rs drained by gravity?
	Vhirlpool bath?
More than one system (laundry, etc.)?	
Does this property have any footing drain tiles con	nected to the septic system?
Are any buildings on this property such as garages	or out-buildings connected to this system?
Ano theme any additional avatama on this monanty a	arring other haildings?
Are there any additional systems on this property s	erving other buildings?
Location of septic system on lot? South Side	
Location of water well on lot? North Side	Is the well a deep well? Y
Have you ever experienced any problems with the	
surfacing of sewage onto the ground, septic tank or	verflowing, etc.; or have any repairs been made
to the system? If yes, explain:	
When was the system last pumped? 8/16/2023	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 a	
Is your property located in a shoreland managemer	t area? Y
Do you have any additional information that should	d 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 by law, the inspector must 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 Midwest Sewer Services.

Owner/Occupant:



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Stoner Ternering	Soi	Soil Observation Log	Log	Project ID:			v 04.01.2020
Client:			Locati	Location / Address:	5732 Oakr	idge Court South	5732 Oakridge Court South, Afton, MN 55001
Soil parent material(s): (Check all that apply)	ck all that apply) Outwash D Lacustrine		D Alluvium	n 🗆 Bedrock	k 🛛 Organic Matter	latter
Landscape Position: (select one)		Back/Side Slope Slope %: 4.7.	Slope shape	Lin Lin		Elevation-relative to benchmark:	benchmark: $90/8'$
Vegetation: Ag. Land	and	Soil survey map units:		460B-Baytown silt loam	am	Limiting Layer Elevation:	∞
Weather Conditions/Time of Day:	Day:	Sunny	9:154	42	Date	90	06/02/20
Observation #/Location:	SB1	See Map		2	Observation Type:		Auger
Depth (in) Texture F	Rock Frag. % Matrix (Matrix Color(s) Mottle Color(s)	Redox Kind(s)	Indicator(s)			
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Comments Limiting Layer =	36"						
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.	npleted this work	in accordance with all ap	plicable ordinances	, rules and law	S.		
Jesse Kloeppner		d-Khr	2 K		L4043		6/2/2020
(Designer/Inspector)		(Signature)	e) .		(License #)		(Date)

Client: Vegetation: Landscape Position: (select one) Soil parent material(s): (Check all that apply) Weather Conditions/Time of Day: hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws Observation #/Location: 24-30 Depth (in) 04.11 Comments | Limiting Layer = 2, 4'N-COMMAC Samo 30-34 9-18 Tar Area as 34-40 18-24 0'9 (Designer/Inspector) Jesse Kloeppner L V 30 L'MS N. S S. Texture ي^ ∖ Ag. Land 20% Rock Frag, % G .5 % S/ (กุ S. SB2 Back/Side Slope Slope %: 4 Matrix Color(s) 7.5KR 5/4 040 1042 OVR 10 YR . 3/2 104R 3/3 1012 2/2 Soil Observation Log 53 10 5/3 C Outwash C Lacustrine SUMMY Soil survey map units: Mottle Color(s) 7.5 YR 5/6 1074 6/4 (Signature) See Map Kar Redox Kind(s) a Loess Slope shape 0 0 460B-Baytown silt loam 11:2 SAM Location / Address: Indicator(s) Project ID: 63 |4 24 - J. a Alluvium **Observation Type:** (License #) Shape 50 5732 Oakridge Court South, Afton, MN 55001 Ø L4043 5 Q 7 D Bedrock Date ----- Structure------Elevation-relative to benchmark: 901.8 Limiting Layer Elevation: $\beta q q, \delta$ いるの 3 Grade E 3 2 3 D Organic Matter 06/02/20 Auger v 04.01.2020 Consistence T IV ちで E Z 3 T 6/2/2020 (Date)

Ø. みたたい Client: Soil parent material(s): (Check all that apply) Weather Conditions/Time of Day: Landscape Position: (select one) 28-42 26-32 Observation #/Location: Vegetation: hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws 16-22 Depth (in) DHSITE SLWACE THOMPALAY PROGRAM 32-38 0.16 Comments Limiting Layer = A we have a set (Designer/Inspector) Jesse Kloeppner Sil 5 S CSL Texture s n SIL U C L Ag. Land Rock Frag. % 20:/: > 50% S.Y. 5 *.*/.S S 24" ~ SP1 Back/Side Slope Slope %: 10YR 5 VR Matrix Color(s) 10YR 5/6 OVR 10YA 4/3 10YR 3/2 Soil Observation Log . م 20 512 5 5/3 Sonny + 1 Soil survey map units: C Outwash D Lacustrine Mottle Color(s) 104R 5/2 2.57 516 2-9/2---(Signature) See Map Ч. /, Н Redox Kind(s) Slope shape 0 3 10;35 Am 460B-Baytown silt loam Location / Address: Indicator(s) Project ID: 5 51 しっしい D Alluvium **Observation Type:** License #) Shape L4043 GR 5732 Oakridge Court South, Afton, MN 55001 3 3 Р (\overline{n}) W Bedrock Date ----- Structure-----Elevation-relative to benchmark: 900, 9Limiting Layer Elevation: 3 3 3 3 Grade ٤ 3 C Organic Matter 06/02/20 v 04.01.2020 Pit M S TTP L Z いい 77 TIM Consistence 6/2/2020 (Date) 898.0

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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 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.