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: 5/22/2023 & 5/25/2023 **Time:** 12:00 PM **Owner:** Dave & Sheree Mazzarese

Inspection Address: 5451 Hilltop Ave N, Lake Elmo, MN 55042

REPORT SUMMARY

I have performed an "MPCA Compliance Inspection" on this system and have reviewed the original design/permit records on file at Washington County. This very old system 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. Pinky's Sewer Service pumped the septic tank on May 25, 2023.

Although not a compliance criteria, it should be noted that the septic tank manhole cover is buried. I recommend extending this cover to the ground surface to facilitate easier access and proper maintenance.

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



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: Wasington County | - | |
| Property address: 5451 Hilltop Ave N, Lake Elmo, MN 55042 | | |
| Owner/representative: Dave & Sheree Mazzarese | | Owner's phone: 651-307-9102 |
| Brief system description: A pre-cast septic tank and a rock trend | ch drainfield. | |
| | | |
| System status | | |
| System status on date (mm/dd/yyyy): _5/25/2023 | | |
| ☐ 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 short under section 145A.04 subdi | ter period if required by local ordinance or vision 8. |
| Reason(s) for noncompliance (check all applicab | ole) | |
| ☐ Impact on public health (Compliance component #1) – Immir | nent threat to public health a | nd safety |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | 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 prot | = | |
| Operating permit/monitoring plan requirements (Compliance | component #4) – Noncompl | ïant - local ordinance applies |
| Comments or recommendations | | |
| Although not a compliance criteria, it should be noted that the so cover to the ground surface to facilitate easier access and property. | | ouried. I recommend extending this |
| | | |
| | | |
| | | |
| Certification | | |
| I hereby certify that all the necessary information has been gathered future system performance has been nor can be made due to unknow inadequate 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: 5342/9852 |
| Inspector signature: Brian Humpal Home | | 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) |
| $oxed{\boxtimes}$ Soil observation logs $oxed{\boxtimes}$ System/As-Built $oxed{\square}$ Locally red | quired forms 🛭 Tank Integr | ity Assessment |
| Other information (list): Report Summary, Property Information | tion, Disclaimer | |

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

| Compliance criteria: | | Attached supporting documentatio | n: |
|---|---|--|---|
| System discharges sewage to the ground surface | ☐ Yes* ☒ No | ☐ Other: ☐ Not applicable | |
| System discharges sewage to drain tile or surface waters. | ☐ Yes* ⊠ No | | |
| System causes sewage backup into dwelling or establishment. | ☐ Yes* ⊠ No | | |
| Any "yes" answer above indicates imminent threat to public health a | | | |
| Describe verification methods and | d results: | | |
| None of the above found. | | | |
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| a nk integrity – Compliance | component #2 | of 5 | |
| ank integrity – Compliance | component #2 | of 5 | |
| ank integrity – Compliance Compliance criteria: | component #2 | of 5 Attached supporting documentatio | n: |
| Compliance criteria: | e component #2 | Attached supporting documentatio | n: |
| <u> </u> | · | | |
| Compliance criteria: System consists of a seepage pit, | · | Attached supporting documentatio ☐ Empty tank(s) viewed by inspector | Pinky's S |
| Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, | ☐ Yes* ☑ No | Attached supporting documentatio | |
| Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? Sewage tank(s) leak below their | · | Attached supporting documentatio ☐ Empty tank(s) viewed by inspector | Pinky's S Service |
| Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? | ☐ Yes* ☑ No | Attached supporting documentatio ☑ Empty tank(s) viewed by inspector Name of maintenance business: | Pinky's S Service ess: <u>L1673</u> |
| 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 busin Date of maintenance: | Pinky's S <u>Service</u> ess: <u>L1673</u> <u>5/25/202</u> |
| 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 busin | Pinky's S <u>Service</u> ess: <u>L1673</u> <u>5/25/202</u> |
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| 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 busin Date of maintenance: □ Existing tank integrity assessment (Att | Pinky's S <u>Service</u> ess: <u>L1673</u> <u>5/25/202</u> |
| Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? Sewage tank(s) leak below their designed operating depth? If yes, which sewage tank(s) leaks: | ☐ Yes* ☒ No ☐ Yes* ☒ No | Attached supporting documentation Empty tank(s) viewed by inspector Name of maintenance business: License number of maintenance businest Date of maintenance: Existing tank integrity assessment (Attached) Date of maintenance (mm/dd/yyyy): (must be with | Pinky's S Service ess: L1673 5/25/202 ach) |
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| Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? Sewage tank(s) leak below their designed operating depth? If yes, which sewage tank(s) leaks: Any "yes" answer above indicing is failing to protect groundward. | ☐ Yes* ☑ No ☐ Yes* ☑ No ☐ Yes* ☑ No ☐ eates the system ter. | Attached supporting documentation ☑ Empty tank(s) viewed by inspector Name of maintenance business: License number of maintenance busines | Pinky's S Service ess: L1673 5/25/202 ach) nin three years sment complice |
| Compliance criteria: System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? Sewage tank(s) leak below their designed operating depth? If yes, which sewage tank(s) leaks: Any "yes" answer above indicates. | ☐ Yes* ☑ No ☐ Yes* ☑ No ☐ Yes* ☑ No ☐ eates the system ter. | Attached supporting documentation ☑ Empty tank(s) viewed by inspector Name of maintenance business: License number of maintenance busines | Pinky's S Service ess: L1673 5/25/2023 ach) nin three years sment complie |

| Pro | operty Address: _5451 Hilltop Ave N, Lake Elmo, MN 55042 | |
|-----------|---|-------------------------------|
| | siness Name: Midwest Sewer Services | Date: <u>5/25/2023</u> |
| | | |
| 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 | 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: | |
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| | Attached supporting documentation: Not applicable | |
| | | • |
| <u>4.</u> | Operating permit and nitrogen BMP* – Compliance component #4 o | 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? ☐ Yes ☐ No | |
| | 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: | |
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| | Attached supporting documentation: \(\square\) Operating permit (Attach) \(\square\) | |

https://www.pca.state.mn.us 651-296-6300 800-657-3864 • Use your preferred relay service • Available in alternative formats wq-wwists4-31b • 4/28/2021

| siness Name: Midwest Sewer Services | | | Date: <u>5/</u> | 25/2023 |
|--|-------------|---------|--|-------------------------------|
| Soil separation – Compliance com | ponen | t #5 of | 5 | |
| Date of installation 1978/1985 (mm/dd/yyyy) | Unknov | wn | | |
| Shoreland/Wellhead protection/Food | ☐ Yes [| ⊠ No | Attached supporting documentation: | |
| beverage lodging? | | | oxtimes Soil observation logs completed for the | ne report |
| Compliance criteria (select one): | | | ☐ Two previous verifications of required | l vertical separatio |
| , | ⊠ Yes □ | □ No* | ☐ Not applicable (No soil treatment area | a) |
| not located in Shoreland or Wellhead Protection Area or not serving a food. | | | □ Reviewed previous compliance inspendence | ection from 2016. |
| beverage or lodging establishment: | | | Reviewed previous compliance inspection from 2011. | |
| Drainfield has at least a two-foot vertical separation distance from periodically | | | Reviewed design and permit records | |
| saturated soil or bedrock. | | | | |
| 5b. Non-performance systems built April 1, 1996, or later or for non- | ☐ Yes ☐ No* | _l No* | Indicate depths or elevations | |
| performance systems located in Shoreland | | | A. Bottom of distribution media | See Attached Boring Log(s) |
| or Wellhead Protection Areas or serving a 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 | 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. | | | | |

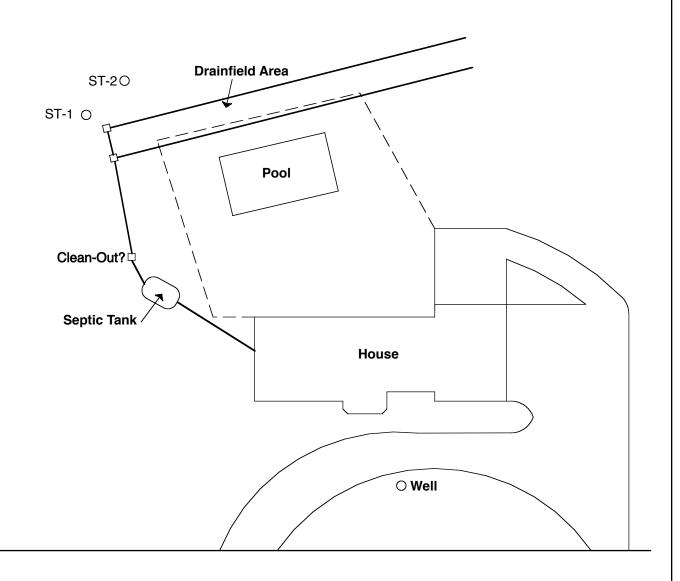
Upgrade requirements: (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, 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.

800-657-3864

Describe verification methods and results:

Midwest Sewer Testing Subsurface Sewage Treatment System Owner/Property Information This information will be used for the numerical formation and the second second

| This information will be used for the purpose of conducting an MPCA | Compliance Inspection. |
|---|---|
| Date of Inspection: 5/22/2023 & 5/25/2023 | Time: 12:00 PM |
| Property Address: 5451 Hilltop Ave N, Lake Elmo, MN | Zip: 55042 |
| Property Owner: Dave & Sheree Mazzarese | Phone: 651-307-9102 |
| Tank(s) Tank(s)Material Soil Treatment System Septic 1 Fiberglass | Other Alternative system Experimental system Cesspool system Other system |
| Are the tank maintenance covers accessible? ☐ Yes ☒ No *If i | no, proper maintenance must be |
| performed through the maintenance holes. Maintenance hole cover | ers should be made accessible to |
| the ground surface to facilitate access and proper maintenance of t | |
| Year house built: 1978 Year septic installed: 1978/1985 | |
| | sidents in home? |
| Number of bedrooms? 4 Are all floors drained by gr | - |
| Garbage disposal? Y Whirlpool bath? | N |
| More than one system (laundry, etc.)? N | |
| Does this property have any footing drain tiles connected to the se | - |
| Are any buildings on this property such as garages or out-building | s connected to this system? N |
| Are there any additional systems on this property serving other bu | ildings? N |
| Location of septic system on lot? East Side | |
| | well a deep well? Y |
| Have you ever experienced any problems with the system such as: surfacing of sewage onto the ground, septic tank overflowing, etc. to the system? If yes, explain: | ; or have any repairs been made |
| | per: Pinky's Sewer Service |
| | on a monitoring plan? |
| Have you received notices from any government agency concerning | ng this system? N |
| Is your property located in a shoreland management area? N | 221 |
| Do you have any additional information that should be given to the | e new owner? N |
| I hereby certify that the above information is correct to the best of my knowledge considered "non-compliant/failing" per MPCA rules, that the inspector must by local government unit within 15 days of the date of inspection completion. I also this report, that I/we are ultimately responsible for payment of all fees for all wo by Inspect Minnesota and Midwest Soil Testing | law submit a copy of this report to the so agree that unless otherwise noted in |
| Owner/Occupant: | Date |



5451 Hilltop Ave N, Lake Elmo, MN 55042

NO SCALE

Soil Observations Log

| Location of Project: 5451 Hilltop Ave N, Lake Elmo, MN 55042 | | | | | | | |
|--|------------------------|--|--------------------|------------|---|---------------------------------------|--|
| | | Midwest Sewer Ser | | | Date: | 5/22/2023 | |
| Classific | ation System: | USDA | | | | | |
| Soi | l Observation: | ST-1 | | Soil O | bservation: | ST-2 | |
| Surface Elevation of Observation | _ | nd surface as last field trench | Elevat | LIOIT OF T | | und surface as last infield trench | |
| Depth In Inches Rock % | Soils E | ncountered | Depth In Inches | Rock % | Soils | <u>Encountered</u> | |
| 0-5 5-15 | 10YR 3/4 Silt L All | oamy Sand (Fill) oam (Disturbed)(Fill) Disturbed Jtilities | 0-12 | | 10YR 3/2 Silt Loam 10YR 5/4 Silt Loam 10YR 5/3 Medium Sand 10YR 5/3 Fine To Medium Sand | | |
| Depth ⁻ | To End Of Soil O | bservation Or Redox | 77" | Depth T | o End Of Soil | Observation Or Redox | |
| | | on Relative To System | | | | ion Relative To System | |
| | | stribution Media | -45" ≥32" | | | Distribution Media | |
| Of Sepa | aration | | | Of Sepa | iration | | |
| End Of Soil | Observation At: | | End Of | Soil Ob | servation At: | 77" | |
| Limiting Soi | l Conditions At: | | Limitin | g Soil C | onditions At: | None | |
| | ater Present At: | | | | r Present At: | None | |

| Bottom Of Distribution Medium At: 45 Inches | | | | | |
|---|-----------|--|--|--|--|
| | | | | | |
| Signature: | Color Ola | | | | |

Log Of Soil Borings

| Loc | Location of Project: 5451 Hilltop Ave N, Lake Elmo, MN 55042 | | | | | |
|--|--|---|--------------------|---------------------|-----------------------|--|
| | | Inspect Minnesota | <u> </u> | Date: | 11/21/16 | |
| Auger Used: Hand/Bucket | | Classification System: USDA | | USDA | | |
| | Boring Number: 1 | | | Boring Number: | | |
| Surface Elevation of Boring Same ground surface as last drainfield trench | | Surface Elevation Boring | | | | |
| Depth In Inches | Soils E | ncountered | Depth In Inches | Soils En | <u>icountered</u> | |
| 0-10 10-20 20-66 66-80 | 10YR 5 10YR 5/3 | /2 Silt Loam /4 Silt Loam Medium Sand e To Medium Sand | | | | |
| 80" | Depth To End Of B | oring Or Redox |] | Depth To End Of Bo | oring Or Redox | |
| Same | Elevation Of Boring | g Relative To System | E | Elevation Of Boring | Relative To System | |
| | | Of Distribution Media | | | of Distribution Media | |
| ≥35" | Of Separation | | | Of Separation | | |
| | End Of Boring At: | 80" | | End Of Boring At: | | |
| | Redox Present At: | None | | Redox Present At: | | |
| | Water Present At: | None | | Water Present At: | | |
| | Training traces the contract of the contract o | | | | | |

| Bottom Of Distribution Medium At: 45 Inches | |
|---|---|
| | _ |

Log Of Soil Borings

| Loca | Location of Project: 5451 Hilltop Ave N, Lake Elmo, MN 55042 | | | | | | |
|-----------------------------------|--|---|---|--|---|--|--|
| Во | | Inspect Minnesota | | Date: | 11/11/11 | | |
| Auger Used: Hand/Bucket | | | Class | Classification System: USDA | | | |
| В | Boring Number: | 1 | | Boring Number: | 2 | | |
| Surface Elevation of Boring | Surface Same ground surface as drainfield | | | Surface Elevation of Boring Same ground surface as drainfi at end of last drainfield trenct | | | |
| Depth In Inches | Soils E | ncountered | Depth In Inches | Soils E | ncountered | | |
| 0-3 3-18 18-68 68-102 | 7.5YR 2. 10YR 4/4 | 5/2 Silt Loam 5/3 Silt Loam Medium Sand -Medium Sand | 0-10 10-54 54-96 | 10YR 4/4 | 5/2 Silt Loam I Loamy Sand 5/4 Sand | | |
| 102" D | epth To End Of B | oring Or Redox | 96" | Depth To End Of E | oring Or Redox | | |
| Same El | levation Of Boring | g Relative To System | Same Elevation Of Boring Relative To Syster | | g Relative To System | | |
| -49" D | epth To Bottom C | Of System | -49" Depth To Bottom Of System | | Of System | | |
| | f Separation | | | Of Separation | • | | |
| _ | | 100" | | E 10(E : :: | 0.5" | | |
| | and Of Boring At: | 102" | | End Of Boring At: | | | |
| | edox Present At: | None | CI . !! | Redox Present At: | | | |
| Standing W | Vater Present At: | None | Standing | Water Present At: | None | | |

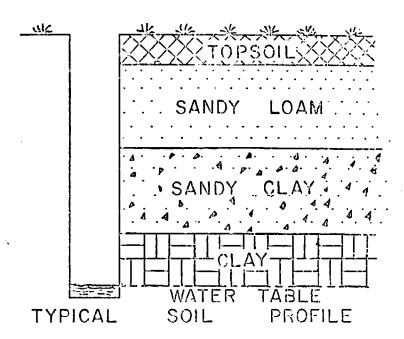
| Bottom | Of I | Distribution | Medium At: | 49 | Inches |
|---------------|------|--------------|--------------|----|--------|
| DOLLOIII | OI L | JISH IDUHOH | Mediuili At. | 49 | mones |

pe and structure of soils at various depths as rell as the location of the water table, impervious trata or bedrock.

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

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

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



BORTUGS WERR WADE BY BACK HUE CONTRACTED BY

LOWELL VAN DER HOST 2389 GENEVA AUC SI. PAUL MN. 55110.

LOG OF SOIL BORINGS

| / /// | | | | | | | 770 |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| BOR | ING NO. I | BOR | ING NO. 2 | BORII | NG NO. 3 | BORII | VG NO. 4 |
| DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION |
| 0 | BLACK TOP | 0 | BLACK TOP SOIL | 0 | BLACKTOP | 0 | (lasa Tao |
| 1/2 | SOIL | 1/2 | | 1/2 | SOIL | 1/2 | Black TOP |
| | | 1 | CLAY | | | | SOIL |
| 11/2 | CIAY | 11/2 | | 11/2 | | 11/2 | |
| 2 | | 2 | C22.2 | 2 | · | 2 | |
| 21/2 | | 21/2 | COURSE | 21/2 | 1. | 21/2 | |
| 3 | Conese | 3 | SA | 3 | Clay | <u> </u> | - 1 - |
| 31/2 | COMESIE | 31/2 | 72 . | 31/2 | | 31/2 | Clay |
| 4 | ≤ | 4 | D | 4 | | 4 | |
| 41/2 | \$ A | 41/2 | | 41/2 | course | 41/2 | |
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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 only 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 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.