Inspect Minnesota & Midwest Soil Testing

P.O. Box 383 Hugo, MN 55038

Brian Humpal

651-492-7550/Brian@midwestsoiltesting.com

MPCA Licensed Designer & Inspector

SUBSURFACE SEWAGE TREATMENT SYSTEM COMPLIANCE REPORT

Inspection Address: 4142 Penfield Ave S, Afton, MN Site Conditions: 5" Snow 0" Frost

REPORT SUMMARY

I have performed an "MPCA Compliance Inspection" on this septic system, have reviewed the history of the system with the owner, Steve Dorgan, and have reviewed the original design/permit records, along with a previous non-compliance inspection from 2004, which were on file at Washington County. This system consists of a pre-cast two-compartment septic/lift tank and a rock trench drainfield.

My inspection indicates that this system is presently "non-compliant" in accordance with MPCA rules 7080.1500 Subp.4(B)(E) because of the lack of the required two foot separation between the bottom of the drainfield and seasonally saturated soils. This system <u>is not</u> an imminent threat to public health or safety per MPCA rule 7080.1500 Subp. 4(A). Washington County issued sewage treatment permit #4626 for the installation of this septic system.

In accordance with MPCA rules, I am sending a copy of this complete report to Washington County. I cannot officially speak on behalf of the County relative to the upgrade requirements of these non-compliant systems. Please contact Washington County Environmental Specialist, Mr. Chris LeClair (651-430-4052), to verify the County's position.

Please advise buyer, agents, lender, etc. to contact me should they have any questions regarding this system.

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 (MPCA) requirements and attached forms – additional local requirements may also apply. Submit completed form to Local Unit of Government (LUG) and system owner within 15 days System Status System Status System status on date (mm/dd/yyyy): 1/14/2016 Compliant – Certificate of Compliance (Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.) Reason(s) for noncompliance (check all applicable) Impact on Public Health (Compliance Component #1) – Imminent threat to public health and safety Italian (See Upgrade Requirements on page 3) Reason(s) for noncompliance Conditions (Compliance Component #3) – Imminent threat to public health and safety Italian (See Upgrade Requirements on page 3) Reason(s) for noncompliance Component #1) – Imminent threat to public health and safety Italian (See Upgrade Requirements on page 3) Reason(s) for noncompliance Component #1) – Imminent threat to public health and safety Italian (See Upgrade Requirements on page 3) Reason(s) for noncompliance Component #1) – Imminent threat to public health and safety Italian (See Upgrade Requirements on page 3) Reason(s) for noncompliance Component #1) – Imminent threat to public health and safety Italian (See Upgrade Requirements on page 3) Reason(s) for noncompliance Component #2) – Failing to protect groundwater Italian (See Upgrade Requirements on page 3) Reason (See Upgrade Requirements on | | 37 F |
|---|---|--|
| System Status System status on date (mm/dd/yyyy):1/14/2016 | requirements and attached forms – additional local requirements may also apply. | For local tracking purposes: |
| System status on date (mm/dd/yyyy): 1/14/2016 Compliant – Certificate of Compliance (Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.) Reason(s) for noncompliance (check all applicable) Impact on Public Health (Compliance Component #1) – Imminent threat to public health and safety Other Compliance Compliance Component #3) – Imminent threat to public health and safety Tank Integrity (Compliance Component #2) – Failing to protect groundwater Other Compliance Component #4) – Failing to protect groundwater Soil Separation (Compliance Component #4) – Failing to protect groundwater Operating permit/monitoring plan requirements (Compliance Component #5) – Noncompliant Property Information Parcel ID# or Sec/Twp/Range: Property address: 4142 Penfield Ave S, Afton, MN 55001 Reason for inspection: Property Sale Property owner: Steve & Krista Dorgan Owner's phone: 651-501-4160 Or Owner's representative: Representative phone: Representative phone: Local regulatory authority: Washington County Regulatory authority phone: 651-430-4052 Brief system description: Pre-cast two-compartment septic/lift tank and a rock trench drainfield. | | |
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| Comments or recommendations: | | |
| | • • • | in drainneid. |
| Certification | | |
| | 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. | determination of future system performance has been nor can be made due to unknow | |
| Inspector name: Brian Humpal Certification number: L5342 | Inspector name: Brian Humpal Certifica | tion number: L5342 |
| Business name: Inspect Minnesota, Midwest Soil Testing License number: L2896 | Business name: Inspect Minnesota, Midwest Soil Testing Lice | nse number: L2896 |
| Inspector signature: Phone number: 651-492-7550 | Inspector signature: Brian Humpal Phi | one number: 651-492-7550 |
| Necessary or Locally Required Attachments | Necessary or Locally Required Attachments | |
| Soil boring logs System/As-built drawing □ Forms per local ordinance | | local ordinance |
| ☐ Other information (list): Report Summary, Property Information, Disclaimer, License | | |

| 1. | lm | npact on Public Health – Cor | npliance | component #1 | of 5 | | |
|----|---|---|-----------|-------------------------|--|---|--|
| | Co | Compliance criteria: | | Verification method(s): | | | |
| | | stem discharge sewage to the bund surface. | ☐ Yes | ⊠ No | ☐ Searched for surface outlet☐ Searched for seeping in yard/backup in home | | |
| | | stem discharge sewage to drain tile surface waters. | ☐ Yes | ⊠ No | | in soil system/D-boxes ony (See Comments/Explanation) | |
| | | stem cause sewage backup into relling or establishment. | ☐ Yes | ⊠ No | | soil dispersal system mergency" pumping | |
| | | ny "yes" answer above indicates Imminent Threat to Public Heal | • | | ☐ Unable to verify (See Comments/Explanation) ☐ Other methods not listed (See Comments/Explanation) | | |
| | | omments/Explanation: one of the above found. | | | | | |
| 2. | Ta | ank Integrity — Compliance com | nponent | #2 of 5 | | | |
| | Co | ompliance criteria: | | | Verification method | l(s): | |
| | | stem consists of a seepage pit, sspool, drywell, or leaching pit. | ☐ Yes | ⊠ No | ☑ Probed tank(s) bott☑ Examined construct | | |
| | | epage pits meeting 7080.2550 may be mpliant if allowed in local ordinance. | | | Examined Tank Integrity Form (Attach)Observed liquid level below operating depth | - · | |
| | | wage tank(s) leak below their signed operating depth. | ☐ Yes | ⊠ No | ☐ Examined empty (pumped) tanks(s) ☐ Probed outside tank(s) for "black soil" ☐ Unable to verify (See Comments/Explanation) | | |
| | _lf y | ves, which sewage tank(s) leaks: | | | | | |
| | Any "yes" answer above indicates the system is Failing to Protect Groundwater. | | | | ☐ Official to Verify (See Comments/Explanation) ☐ Other methods not listed (See Comments/Explanation) | | |
| 3. | Lo Lif | omments/Explanation: wered underwater camera into tank - I t pump and alarm were operationalat t ther Compliance Conditions | he time o | f the inspection. | nt #3 of 5 | | |
| | a. | Maintenance hole covers are damaged | | - | | ıd. ☐ Yes* ☒ No ☐ Unknown | |
| | b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. Yes* No Unknow *System is an imminent threat to public health and safety Explain: | | | | | | |
| | | | | | | | |
| | C. | System is non-protective of ground wa *System is failing to protect ground Explain: | | er conditions as o | termined by inspector [| ⊒ Yes* ⊠ No | |

Property address: 4142 Penfield Ave S, Afton, MN 55001

Inspector initials/Date: 1/14/2016

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| Shorland/Wellhead protection/Food Beverage Lodging? Compliance criteria: 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 saturated soil or bedrock. Non-performance systems built April 1, 1996, or later or for non-performance systems built april 1, 1996, or later or for non-performance systems built april 1, 1996, or later or for non-performance systems built april 2, 1996, or later or for non-performance systems built april 3, 1996, or later or for non-performance systems built april 4, 1996, or later or for non-performance systems built april 3, 1996, or later or for non-performance systems built april 4, 1996, or later or for non-performance systems built april 4, 1996, or later or for non-performance systems built april 4, 1996, or later or for non-performance systems built april 4, 1996, or later or for non-performance systems built april 4, 1996, or later or for non-performance systems built april 4, 1996, or later or for non-performance with a state of the later of later of the later of later of the later of later | Date of installation: 1988 | Unknown | Verification method(s): | | |
|--|---|---|---|--------------------|--|
| Compliance criteria: | | ☐ Yes ⊠ No | | | |
| 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 saturated soil or bedrock. 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. 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.* "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V systems built under 2008 Rules; Type IV or V system separation distance from periodically saturated soil or bedrock. Any "no" answer above indicates the system is Failing to Protect Groundwater. *Any "no" answer above indicates the system is Failing to Protect Groundwater. *Any "no" answer above indicates the system is Failing to Protect Groundwater. *Any "no" answer above indicates the system is Failing to Protect Groundwater. *Any "no" answer above indicates the system is Failing to Protect Groundwater. *Any "no" answer above indicates the system is Failing to Protect Groundwater. *Any "no" answer above indicates the sys | Compliance criteria: | | unless site conditions have been al | | |
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| separation distance from periodically saturated soil or bedrock.* "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under pre-2008 Rules (7080. 2350 or 7080.2400 (Advanced Inspector License required) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock. Any "no" answer above indicates the system is Failing to Protect Groundwater. The system operated under an Operating Permit? Is the system required to employ a Nitrogen BMP? By the system design of the system design of the system design of the answer to both questions is "no", this section does not need to be completed. Compliance criteria Compliance criteria Compliance permit requirements been met? | 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, | ☐ Yes ⊠ No | Reviewed previous non-compliance | | |
| See Attached 2350 or 7080.2400 (Advanced Inspector License required) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock. Any "no" answer above indicates the system is Failing to Protect Groundwater. Description of the system operated under an Operating Permit? Is the system required to employ a Nitrogen BMP? Is the system required to employ a Nitrogen BMP? Below is required Below of distribution media 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 allowed by Local Ordinance. Description of the system is periodically saturated soil/bedrock C. System separation *May be reduced up to 15 percent if allowed by Local Ordinance. Is the system operated under an Operating Permit? Yes No If "yes", A 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: Have the Operating Permit requirements been met? | separation distance from periodically | | _ | | |
| See Attached A. Bottom of distribution media See Attached Boring Log(s) A. Bottom of distribution media See Attached Boring Log(s) B. Periodically saturated soil/bedrock C. System separation D. Required compliance separation *May be reduced up to 15 percent if allowed by Local Ordinance. Description of the system is Failing to Protect Groundwater. Solution of distribution media 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 allowed by Local Ordinance. Solution of distribution media B. Periodically saturated soil/bedrock C. System separation D. Required compliance separation *May be reduced up to 15 percent if allowed by Local Ordinance. Solution of distribution media See Attached Boring Log(s) B. Periodically saturated soil/bedrock C. System separation *May be reduced up to 15 percent if allowed by Local Ordinance. If "yes", A below is required If "yes", A below is required If "yes", B below is required Boring Log(s) **May be reduced up to 15 percent if allowed by Local Ordinance. If "yes", A below is required If "yes", B below is required Boring Log(s) | | ☐ Yes ☐ No | Indicate depths of elevations | 1 | |
| Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock. Any "no" answer above indicates the system is Failing to Protect Groundwater. D. Required compliance separation* *May be reduced up to 15 percent if allowed by Local Ordinance. D. Required compliance separation* *May be reduced up to 15 percent if allowed by Local Ordinance. D. Required compliance separation* *May be reduced up to 15 percent if allowed by Local Ordinance. D. Required compliance separation* *May be reduced up to 15 percent if allowed by Local Ordinance. 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? 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? | or V systems built under 2008 Rules (7080. 2350 or 7080.2400 (Advanced Inspector | - | A. Bottom of distribution media | | |
| Any "no" answer above indicates the system is Failing to Protect Groundwater. *May be reduced up to 15 percent if allowed by Local Ordinance. *May be reduced up to 15 percent if allowed by Local Ordinance. *May be reduced up to 15 percent if allowed by Local Ordinance. *May be reduced up to 15 percent if allowed by Local Ordinance. *No If "yes", A below is required Is the system operated under an Operating Permit? | separation distance from periodically | | | | |
| Solution Protect Groundwater. Ordinance. | | | D. Required compliance separation* | | |
| Is the system operated under an Operating Permit? | | tne system is | | f allowed by Local | |
| Is the system operated under an Operating Permit? | | | | | |
| Is the system required to employ a Nitrogen BMP? | . Operating Permit and Nitrogen B | BMP* – Complianc | e component #5 of 5 🔀 Not app | licable | |
| 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: | Is the system operated under an Operating Per | rmit? | ⊠ No If "yes", A below is required | | |
| If the answer to both questions is "no", this section does not need to be completed. Compliance criteria a. Operating Permit number: Have the Operating Permit requirements been met? | Is the system required to employ a Nitrogen BN | MP? ☐ Yes | oxtimes No $$ If "yes", B below is required | | |
| Compliance criteria a. Operating Permit number: Have the Operating Permit requirements been met? | BMP=Best Management Practice(s) specific | fied in the system de | sign | | |
| a. Operating Permit number: Have the Operating Permit requirements been met? | If the answer to both questions is "no", | this section does | s not need to be completed. | | |
| a. Operating Permit number: Have the Operating Permit requirements been met? | Compliance criteria | | | | |
| | a. Operating Permit number: | h | ☐ Yes ☐ No | | |
| | Have the Operating Pormit requirements | | | | |

Inspector initials/Date: 1/14/2016

Property address: 4142 Penfield Ave S, Afton, MN 55001

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.

Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use

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WASHINGTON COUNTY, MINNESOTA

Sewage Treatment Permit No. 4.46

Inspection of Installation Must Be Made By the Building Offical Before Any Portion of System is Covered Contact Planning Department, 779-5444, 24 Hour Notice Required

| - Arms Arms |
|---|
| Owner AM MUSCA |
| Property Description Larry F. Odd A. Crop St. Jack 17500 From 1919 1917 |
| Property Address 4142 Profess Acros S. Africa |
| Use of Building: AGIE MAILY 10 Flow Rate: 45. May Percolation Rate: 4 m |
| Septic Tank Gal. Liquid Capacity Lift Station (if needed) G |
| Type of System: EPTA ALK ALU GARFIELD |
| Absorption Trench — Square Feet Lineal Feet Width // |
| Depth of Rock Below Lines Inches, Above Lines Inches |
| Depth of Trench From Existing Grade — Minimum Inches, Maximum Inches |
| Recommended Number of Lines (Note: Maximum Length of Individual Line is 100 Fee |
| Minimum Spacing of LinesFt. Center to Center |
| Special Conditions Total system of was tracked of the and short strate of the |
| 1/4 A 112 10 14 1/10 (continuing /200 y 750 |
| trule OK lege to difficult installation, all |
| |
| PERMIT: Permission is hereby granted to the above named applicant to perform the work described in the application to the minimum specifications shown above and per attached site plan. This permit is granted upon express coldition that the person to whom it is granted, and his agents, employees and workmen shall conform in all respect to ordinances of Washington County, Minnesota. This permit may be revoked at any time upon violation of an said ordinance, and permit shall be void if work j's not commenced within six (6) months. INSTALLER MUST HOLD CURRENT SEPTIC/INSTALLER LICENSE WITH WASHINGTON COUNTY. |
| Approved: |
| Comments CHAVES - DUOTHNIC; LIES STATION 5 @ 451 |
| nstallation Approved Max Halle Date 12-9-87 |



WASHINGTON COUNTY

PLANNING DEPARTMENT

COURTHOUSE • 14900 61ST STREET NORTH • STILLWATER, MINNESOTA 55082 612/439-3220 Robert J. Lockyear Planning Coordinator Allan R. Goodman Building Official

June 10, 1986

Boris Popov 9242 Hudson Road Lake Elmo, MN 55042

Dear Mr. Popov:

We have reviewed the soil tests you submitted and have inspected the site described as retesting of filled area on Parcel F of Outlot A of the Croixdale Plat in Section 27 of the City of Afton.

The soils in the area tested are suitable under present codes for the installation of an on-site sewage treatment system. This approval applies to soil only and does not guarantee that the lot meets the necessary zoning requirements. The maximum drainfield depth in the filled area is 18", with a design rate for sizing the system of 10 mpi percolation rate. Installation of the system must be done in accordance with Earth Science Company's recommendations..

A septic permit will be issued when we receive a copy of this letter, verification of house size, permit application, and final site plan showing house and drainfield location in relation to lot lines, well, and other relevant physiographic features.

Sincerely,

Allan R. Goodman

alle Goods

Building Official

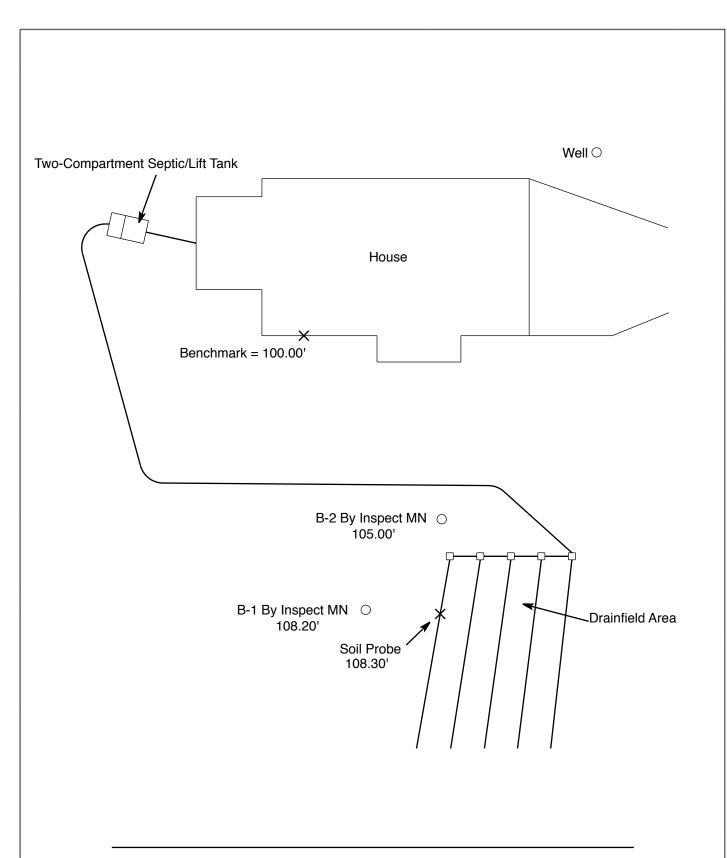
ARG/mlp

Inspect Minnesota & Midwest Soil Testing

Subsurface Sewage Treatment System Owner/Occupant Information

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

| Date of Inspection: January 14, 2016 | Time: 1:00 PM | | | |
|--|--|--|--|--|
| Property Address: 4142 Penfield Ave S, Afton, MN | Zip: 55001 | | | |
| Property Owner: Steve & Krista Dorgan | Phone: 612-501-4160 | | | |
| (Check appropriate sewer system component and indicate on site sketch Tank(s) Tank(s)Material Soil Treatment System Septic Fiberglass Rock trench Aerobic Plastic Gravelless trench Septic/Lift Metal Chamber trench Holding Concrete Seepage bed Block Mound Other At-grade | Ch on back of form). Other Alternative system Experimental system Cesspool system Other system | | | |
| Have any other compliance inspections been done on this system? | Y When/who? 2004/J.Gill | | | |
| Year house built: 1988 Year septic installed: 1988 Tar | | | | |
| How long has seller owned the property? 2004 Number of re- | | | | |
| Number of bedrooms? 3 Are all floors drained by g | ravity? Y | | | |
| Garbage disposal? Y Whirlpool bath? | Y | | | |
| More than one system (laundry, etc.)? N | | | | |
| Does this property have any footing drain tiles connected to the se | ptic system? N | | | |
| 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? Tank - South Side, Drainfield - I | East Side | | | |
| | 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? Y If yes, explain: Had to clear roots out of pipe at the tank, no other problems | | | | |
| When was the system last pumped? 6/10/2014 Name of pum | per: Pinky's | | | |
| How often pumped in previous years? Every 2 | on a monitoring plan? N | | | |
| Have you received notices from any government agency concerning | ng this system? N | | | |
| Is your property located in a shoreland management area? N | | | | |
| Do you have any additional information that should be given to th | 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 unit of government within 15 days of the date of inspection completion. I a this report, that I/we are ultimately responsible for payment of all fees for all we by Inspect Minnesota and Midwest Soil Testing. | law submit a copy of this report to the also agree that unless otherwise noted in | | | |
| Owner/Occupant: Interviewed Steve Dorgan By Telephone | Date: 1/21/2016 | | | |



4142 Penfield Ave S, Afton, MN 55001

NO SCALE

Log Of Soil Borings

| Locati | ion of Project: | 4142 Penfield Ave S | , Afton, MI | N 55001 | |
|-----------------------------------|---|--|--|--|--|
| Bori | ings Made By: | Inspect Minnesota | | Date: | 1/14/16 |
| Auger Used: Hand/Bucket | | | Class | ification System: | USDA |
| Во | ring Number: | 1 | | Boring Number: | 2 |
| Surface | | 08.20' | Surface | : | |
| Elevation of | Benchmark = | = 100.00' front door | Elevation | of | 105.00' |
| Boring | tł | nreshold | Boring | | |
| Depth In | Soils Er | ncountered | Depth In | Soils E | ncountered |
| Inches | | | Inches | | |
| 0-38 7 38-47 | 10YR 4/4 (10YR 5/1 & Last 3" Bed | m Coarse Sand (Fill) Clay Loam With 7.5YR 5/8 Redox rock Fragments t 47" Bedrock | 0-13 13-19 19-24 | 10YR 4/4 10YR 4/4 (7.5YR | /3 Silt Loam /4 Clay Loam Clay Loam With .5/8 Redox at 24" Bedrock |
| 105.05' Ele | vation To Botton | n Of Distribution Media | 105.05' | Elevation To Bottom | Of Distribution Media |
| -105.03 De | pth To Redox Or | | -103.42' Depth To Redox Or End Of Boring | | |
| =0.02'/0" Of Separation | | | =1.63'/20" | Of Separation | |
| En | d Of Boring Att | 47" | | End Of Boring Att | 24" |
| | d Of Boring At: dox Present At: | 38"/105.03' | | End Of Boring At: Redox Present At: | 19"/103.42' |
| | | None | Standing | Water Present At: | None |
| Standing Water Present At: None S | | | | 1.300. 1.000 / (6. | 140110 |

Bottom Of Distribution Medium At: 39" Or Elevation 105.05' At Soil Probe

Brian L. Humpal, Inc. dba. Inspect Minnesota, Midwest Soil Testing **DISCLAIMER SHEET**

Relative to Subsurface Sewage Treatment System Compliance Inspections

- 1. This inspection/report is being performed for only the seller/owner of the property on which the septic system is located; there is no contract between Brian L. Humpal, Inc. and any other party except the seller/owner unless otherwise noted. In such case that the buyer of the property is paying for the inspection, the contract is between only the buyer of the property and Brian L. Humpal, Inc.; there is no contract with any other party unless otherwise noted.
- 2. Brian L. Humpal, Inc. has not been retained to warranty, guarantee, or certify the proper functioning of the system 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 a septic system, as well as the inability of Brian L. Humpal, Inc. to supervise or monitor the use or maintenance of the system, the report shall not be construed as a warranty by Brian L. Humpal, Inc. that the system will function properly for any particular party for any period of time.
- 3. Minimum Compliance Inspection requirements relative to this inspection and this report include <u>only</u> verification that the septic system 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 basement ejector pumps or exterior lift tank pumps and associated components as these are considered to be maintenance items. 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. Some persons may attempt to hide or conceal signs of previous back-ups.
- 4. Certification of this system does not warranty future use beyond the date of the inspection. Any system, 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. The average life expectancy of a system that has been properly designed, 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. Some parts of the system such as alarms, switches, pumps, and filters will most likely have to be 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 system is protective of public health and safety and is protective to groundwater at the date and time the inspection was performed. This inspection is not intended to determine if the system 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 system 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 system due to the addition of bedrooms, occupants, etc. In addition, this inspection is not intended to determine the quality of the original system design, the quality of the construction practices used while installing the system, or the quality of the materials used in constructing the system.
- 6. Brian L. Humpal, Inc. cannot guarantee the performance of subsurface sewage treatment system products 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: Client (person paying for inspection) understands that inspections conducted during winter weather (approximately November 1st through April 1st) are more difficult to perform because of possible snow cover and/or ground frost. System 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, client 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

License

License # L2896

Date of Issuance: May 12, 2015
Maintainer License Expires: Dec 22, 2015
Installer License Expires: Dec 22, 2015
Adv Inspector License Expires: Dec 22, 2015
Adv Designer License Expires: Dec 22, 2015

Inspect Minnesota

| Designated Certified Individual (DCI) | Certification Type | Certification Expires |
|--|--------------------------------|-----------------------|
| Brian L. Humpal | Service Provider (Certified) | 10/15/2017 |
| Brian L. Humpal | Maintainer (Certified) | 10/15/2017 |
| Brian L. Humpal | Installer (Certified) | 10/15/2017 |
| Brian L. Humpal | Advanced Inspector (Certified) | 10/15/2017 |
| Brian L. Humpal | Advanced Designer (Certified) | 10/15/2017 |
| | | |



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

