

Brian Humpal PO Box 383 Hugo, MN 55038 (651) 492-7550 Brian@Midwestsoiltesting.com

INVOICE

| BILL TO | INVOICE # 2081 |
|----------------------|-----------------------|
| Ms. Eloise Andersson | DATE 08/23/2016 |
| 11540 McKusick Rd N | DUE DATE 09/07/2016 |
| Grant, MN 55082 | TERMS Net 15 |
| | |

| В | ALANCE DUE | | \$480.00 | |
|---|------------|--------|----------|--|
| Water Test - Bacteria & Nitrates | 1 | 105.00 | 105.00 | |
| Washington County Point Of Sale Compliance Inspection Filing Fee | 1 | 50.00 | 50.00 | |
| Septic System Compliance Inspection and Report | 1 | 325.00 | 325.00 | |
| ACTIVITY | QTY | RATE | AMOUNT | |
| | | | | |

MPCA Licensed Advanced Designers, Inspectors, & Service Providers

August 23, 2016

Ms. Juli Hagstrom Edina Realty 14430 N. 60th Street Stillwater, MN 55082

Subject: Septic System at 11540 McKusick Rd N, Grant, MN

Dear Juli:

Please find the attached septic system report and water test results for subject property.

I am sending a copy of this report to your client along with an invoice for payment, which is due upon receipt. Please let me know if an alternative method of payment is preferred.

Please contact me should you have any questions and thank you for the business.

Sincerely,

Brian Humpal

Brian Humpal

Cc Ms. Eloise Andersson - Owners Mr. Chris LeClair - Washington County



333 Main Street NW P.O. Box 388 Elk River, MN 55330 Phone: 763-441-7509 Fax: 763-441-9176

DRINKING WATER LABORATORY TEST REPORT

| Last Name: First Name: Address: City: State: MN County: Legal: | 11540 MCKUSICK R GRANT Zip Code: | D | File #: 13379 Date/Time in Lab: Unique Well #: Drillers #: | 1:47 AM |
|--|--|----------------------------------|--|--------------|
| Ordered By: | BRIAN HUMPAL | Samp | led From: Laundry Tap | |
| Sampled By: | BRIAN HUMPAL | Date/ | Time Sampled: 08/09/2016 | 1445 |
| Reason For Te | est: Coliform + Nitrate | Samp | le Temp: >4° C | |
| ANALYTE & ME | THOD | DATE & TIME OF ANALYSIS | MAXIMUM CONTAMINATION LEVEL (EPA) | TEST RESULTS |
| Coliform Bacteria | (SM 9223 B) | 08/10/2016 1220 | Negative | Negative |
| Nitrate (EPA 353.2 | 2 Rev 2.0) | 08/10/2016 1334 | 10.0 ppm | 1.34 ppm |
| This sample | DOES meet EPA guide | elines for safe drinking water f | or the Analytes tested. | |

Notes:

The test results are only indicative of the sample tested from the sample point on the date collected. This report must not be reporduced, except in full, without the written approval from Water Laboratories, Inc. Minnesota Certification# 027-141-110, Wisconsin Certification #399044470

Water Laboratories, Inc.

By: _9 spone

Date: 08/11/2016

Received By NB

Entered By EK

Edited By KJK

Amount Billed: Date Paid: Amount Paid:

| P.O. Box 383 Hugo, N | MN 55038 | Brian Humpal | | | |
|--|---------------|------------------------------------|--|--|--|
| 651-492-7550/Brian@midwestsoiltesting.com | | MPCA Licensed Designer & Inspector | | | |
| SUBSURFACE SEWAG | E TREATMENT S | YSTEM COMPLIANCE REPORT | | | |
| Date: August 9, 2016Time: 2:30 PMOwner: Eloise Andersson | | | | | |
| Inspection Address: 11540 McKusick Rd N, Grant, MN 55082 | | | | | |

REPORT SUMMARY

I have performed an "MPCA Compliance Inspection" on this septic system and have reviewed the history of the system with the Owner, Eloise Andersson. I contacted Washington County and was advised that there are no records for this system. This very old system (installed in 1961) consists of cesspool. Additional cesspool(s) may exist beyond the first cesspool.

My inspection indicates that this system is presently "non-compliant" in accordance with MPCA rules 7080.1500 Subp.4(B) because of cesspool(s). This system is not an imminent threat to public health or safety per MPCA rule 7080.1500 Subp. 4(A).

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 sting Subsurface Sewage Treatment Systems (SSTS) Doc Type: Compliance and Enforcement |
|---|---|
| Instructions: Inspection results based on Minnesota Pollution (requirements and attached forms – additional local requirements | 5 , () |
| Submit completed form to Local Unit of Government (LUG within 15 days | and system owner |
| System Status | |
| System status on date (mm/dd/yyyy): <u>8/9/2016</u> | |
| Compliant – Certificate of Compliance (Valid for 3 years from report date, unless shorter tin frame outlined in Local Ordinance.) | Noncompliant – Notice of Noncompliance (See Upgrade Requirements on page 3) |

Reason(s) for noncompliance (check all applicable)

- Impact on Public Health (Compliance Component #1) Imminent threat to public health and safety
- Other Compliance Conditions (Compliance Component #3) Imminent threat to public health and safety
- ☑ Tank Integrity (Compliance Component #2) Failing to protect groundwater
- □ Other Compliance Conditions (Compliance Component #3) 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: | 11540 I | McKusick Rd N, Grant, MN 55082 | Reason for inspection: | Property Sale |
|---------------------|-----------|--|--------------------------|------------------|
| Property owner: | Eloise Ar | ndersson | Owner's phone: | |
| or | | | | |
| Owner's represent | ative: | Juli Hagstrom (Edina Realty) | Representative phone: | 651-303-1123 |
| Local regulatory au | uthority: | Washington County | Regulatory authority pho | ne: 651-430-4052 |
| Brief system descr | iption: | Cesspool. Additional cesspool(s) may exist bey | ond the first cesspool. | |
| Comments or reco | mmendat | ions: | | |

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.

| Inspector name: | Brian Humpal | Certification number: | L5342 |
|---------------------|---|-----------------------|--------------|
| Business name: | Inspect Minnesota, Midwest Soil Testing | License number: | L2896 |
| Inspector signature | : Brian Humpal | Phone number: | 651-492-7550 |
| | | | |

Necessary or Locally Required Attachments

| Soil boring logs | 🛛 System/As-built drawing | Forms per local ordinance |
|---------------------------|----------------------------------|---------------------------|
| Other information (list): | Report Summary, Property Informa | tion, Disclaimer, License |

1. Impact on Public Health – Compliance component #1 of 5

Compliance criteria: System discharge sewage to the ground surface. System discharge sewage to drain tile or surface waters. System cause sewage backup into dwelling or establishment.

Any "yes" answer above indicates the system is an Imminent Threat to Public Health and Safety.

Comments/Explanation:

None of the above found.

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)

2. Tank Integrity - Compliance component #2 of 5

Compliance criteria:

| System consists of a seepage pit, cesspool, drywell, or leaching pit. | 🖾 Yes 🗌 No |
|---|------------|
| Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance. | |
| Sewage tank(s) leak below their designed operating depth. | 🗌 Yes 🗌 No |
| If yes, which sewage tank(s) leaks: | All Tanks |
| • " • • • • • | |

Any "yes" answer above indicates the system is Failing to Protect Groundwater.

Comments/Explanation:

Lowered underwater camera into tank - tanks of block construction.

Verification method(s):

Probed tank(s) bottom
 Examined construction records
 Examined Tank Integrity Form (*Attach*)
 Observed liquid level below operating depth
 Examined empty (pumped) tanks(s)
 Probed outside tank(s) for "black soil"
 Unable to verify (See Comments/Explanation)
 Other methods not listed (See Comments/Explanation)

3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to structurally unsound. 🗌 Yes* 🛛 No 🗌 Unknown
- b. Other issues (*electrical hazards, etc.*) to immediately and adversely impact public health or safety. \Box Yes* \boxtimes No \Box Unknown *System is an imminent threat to public health and safety

Explain:

c. System is non-protective of ground water for other conditions as determined by inspector □ Yes* ⊠ No *System is failing to protect groundwater

Explain:

4. Soil Separation – Compliance component #4 of 5

| Date of installation: 1961 | Unknown | Verification method(s): | | |
|---|--------------|---|--|--|
| Shoreland/Wellhead protection/Food Beverage Lodging? | 🗌 Yes 🛛 No | Soil observation does not expire. Previous soil observations by two independent parties are sufficient, | | |
| Compliance criteria: | 1 | unless site conditions have been altered or local | | |
| 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 | requirements differ. Conducted soil observation(s) (Attach boring logs) Two previous verifications (Attach boring logs) Not applicable (Holding tank(s), no drainfield) Unable to verify (See Comments/Explanation) Other (See Comments/Explanation) | | |
| 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, | Yes No | Comments/Explanation: | | |
| 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 or V systems built under 2008 Rules (7080. 2350 or 7080.2400 (Advanced Inspector | | A. Bottom of distribution media | | |
| 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 t Failing to Protect Groundwater. | he system is | *May be reduced up to 15 percent if allowed by Local Ordinance. | | |

5. Operating Permit and Nitrogen BMP* – Compliance component #5 of 5 X 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? | 🗌 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? | |
| b. | Is the required nitrogen BMP in place and properly functioning? | 🗌 Yes 🗌 No |

Any "no" answer indicates Noncompliance.

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

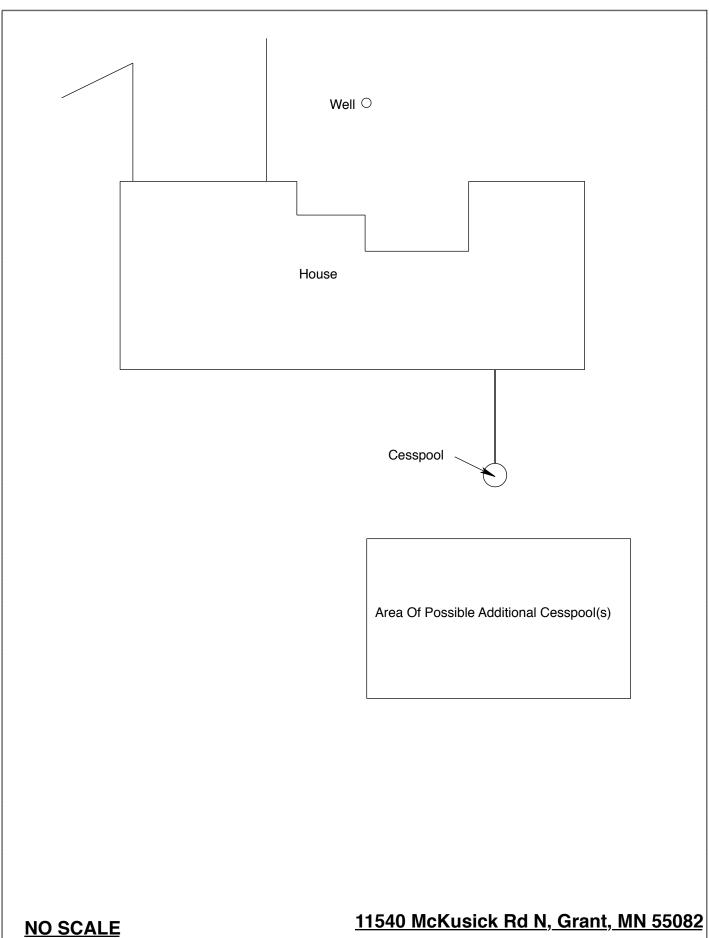
This information will be used for the purpose of conducting an MPCA Compliance Inspection.

| Date of Inspection: August 9, 2016 | Time: 2:30 PM | | | | | |
|--|---|--|--|--|--|--|
| | | | | | | |
| Property Address: 11540 McKusick Rd N, Grant, MN | Zip: 55082 | | | | | |
| Property Owner: Eloise Andersson | Phone: | | | | | |
| Tank(s)Tank(s)MaterialSoil Treatment SystemSepticFiberglassRock trenchAerobicPlasticGravelless trenchLiftMetalChamber trenchHoldingConcreteSeepage bedOther:BlockMoundOtherAt-grade | n <u>Other</u> Alternative system Experimental system Cesspool system <u>1 or more</u> Other system | | | | | |
| Are the tank maintenance covers accessible? \Box Yes \boxtimes 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: 1961 Year septic installed: 1961 | Tank size (gals.): | | | | | |
| How long has seller owned the property? 1981 Number of residents in home? 2 | | | | | | |
| Number of bedrooms? 3 Are all floors drained by gravity? Y | | | | | | |
| Garbage disposal? N Whirlpool bath? N | | | | | | |
| More than one system (laundry, etc.)? N | | | | | | |
| Does this property have any footing drain tiles connected to the septic system? N Are any buildings on this property such as garages or out-buildings connected to this system? N | | | | | | |
| Are there any additional systems on this property serving other buildings? N | | | | | | |
| Location of septic system on lot? North Side | | | | | | |
| | 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? N If yes, explain: | | | | | | |
| | umper: Pinky's Sewer Service | | | | | |
| How often pumped in previous years? Every 2Is system on a monitoring plan? N | | | | | | |
| Have you received notices from any government agency concerning this system? N | | | | | | |
| Is your property located in a shoreland management area? N | | | | | | |
| Do you have any additional information that should be given to the new owner? N | | | | | | |

I hereby certify that the above information is correct to the best of my knowledge. I also understand that if the system is considered "non-compliant/failing" per MPCA rules, that the inspector must by law submit a copy of this report to the local government unit within 15 days of the date of inspection completion. I also agree that unless otherwise noted in this report, that I/we are ultimately responsible for payment of all fees for all work performed relative to this inspection by Inspect Minnesota and Midwest Soil Testing.

Owner/Occupant: Eloise Andersson's Signature On File

Date: 8/9/2016



DISCLAIMER

Brian L. Humpal, Inc. dba. 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

License # L2896

Adv Inspector License Expires: Adv Designer License Expires: Maintainer License Expires: Installer License Expires: Date of Issuance:

Oct 28, 2015 Dec 22, 2016 Dec 22, 2016 Dec 22, 2016 Dec 22, 2016

Inspect Minnesota, Midwest Soil Testing

| Designa Individi Brian L. Brian L. Brian L. Brian L. Christor | Designated Certified Individual (DCI) | Brian L. Humpal | Christopher R. Uebe | Christopher R. Uebe |
|---|--|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|
|---|--|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|



Minnesota Pollution Control Agency

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



Steven Giddings Manager Environmental Business Assistance Section

Subsurface Sewage Treatment System Owner/Property Information

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

| Date of Inspection: $\frac{6}{6}$ | Time: 2:30 Pm | | | | | |
|---|---|--|--|--|--|--|
| Property Address: | Zip: | | | | | |
| Property Owner: | Phone: | | | | | |
| Tank(s) Tank(s)Material Soil Treatment System Septic IFiberglass Rock trench Aerobic Plastic Gravelless trench Lift Metal Chamber trench Holding Concrete Seepage bed Other: Block Mound Other Other At-grade Are the tank maintenance covers accessible? Yes No<*If the second secon | Other Alternative system Experimental system Cesspool system Other system Other system | | | | | |
| performed through the maintenance holes. Maintenance hole cover | | | | | | |
| the ground surface to facilitate access and proper maintenance of the system. | | | | | | |
| Year house built: F16 Year septic installed: 196 Tank size (gals.): | | | | | | |
| How long has seller owned the property? 1981 Number of residents in home? | | | | | | |
| Number of bedrooms? 3 Are all floors drained by gravity? Yes | | | | | | |
| Garbage disposal? N Whirlpool bath? N | | | | | | |
| 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? | | | | | | |
| | 2 | | | | | |
| Are there any additional systems on this property serving other buildings? μ | | | | | | |
| Location of septic system on lot? | | | | | | |
| | well a deep well? $2cg$ | | | | | |
| 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? | | | | | | |
| When was the system last pumped? 2014 Name of pum | | | | | | |
| When was the system last pumped? 2014 Name of pumper: Prokys How often pumped in previous years? Crecy & 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? | | | | | | |
| Do you have any additional information that should be given to the new owner? \sim | | | | | | |

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 J esting.

Date: 8 9 16 one An Owner/Occupant:/