
Inspect Minnesota & Midwest Soil Testing

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Brian Humpal
MPCA Licensed Advanced Inspector

SUBSURFACE SEWAGE TREATMENT SYSTEM (SSTS) COMPLIANCE REPORT

Date: April 15, 2019

Time: 8:30 AM

Owner: Lisa Fosdick

Inspection Address: 9750 Ideal Ave N, Grant, MN 55115

REPORT SUMMARY

I have performed an “MPCA Compliance Inspection” on this system, have reviewed the history of the system with the owner, Lisa Fosdick, and have reviewed the original design/permit records on file at Washington County. This system consists of two pre-cast septic tanks and a rock trench drainfield.

Although not compliance criteria, it should be noted that a section of the second septic tank is exposed. It is recommended that a layer of fill should be added to that section to prevent any freezing of the system.

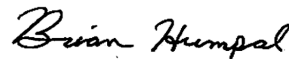
Predicated on my inspection of the system, my review of the history of the system with the owner, and my review of the original design/permit records, it is my opinion that this system presently meets MPCA minimum compliance inspection requirements.

Inspect Minnesota and Midwest Soil Testing 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. Inspect Minnesota and Midwest Soil Testing 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


**Minnesota Pollution
Control Agency**

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

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.

For local tracking purposes:

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

System Status

 System status on date (mm/dd/yyyy): 4/15/2019
 Compliant – Certificate of Compliance
(Valid for 3 years from report date, unless shorter time 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: 9750 Ideal Ave N, Grant, MN 55115

 Reason for inspection: Property Transfer

 Property owner: Lisa Fosdick

 Owner's phone: 651-338-1747
or

Owner's representative: _____

Representative phone: _____

 Local regulatory authority: Washington County

 Regulatory authority phone: 651-430-6655

 Brief system description: Two pre-cast septic tanks and a rock trench drainfield.

Comments or recommendations:

Although not compliance criteria, it should be noted that a section of the second septic tank is exposed. It is recommended that a layer of fill should be added to that section to prevent any freezing of the system.

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/Christopher Uebe

 Certification number: C5342/C9852

 Business name: Inspect Minnesota, Midwest Soil Testing

 License number: L2896

 Inspector signature:

 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 Information, Disclaimer, License

Property address: 9750 Ideal Ave N, Grant, MN 55115

Inspector initials/Date: 4/15/2019 *BACU***1. Impact on Public Health – Compliance component #1 of 5****Compliance criteria:**

| | |
|--|---|
| System discharge sewage to the ground surface. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| System discharge sewage to drain tile or surface waters. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| System cause sewage backup into dwelling or establishment. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Sewage tank(s) leak below their designed operating depth. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| If yes, which sewage tank(s) leaks: | |

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

Comments/Explanation:

Although not compliance criteria, it should be noted that a section of the second septic tank is exposed. It is recommended that a layer of fill should be added to that section to prevent any freezing of the system.

Lowered underwater camera into tanks - baffles and tank walls OK.

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. Yes* No 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:

Property address: 9750 Ideal Ave N, Grant, MN 55115

Inspector initials/Date: 4/15/2019 *BACU*

4. Soil Separation – Compliance component #4 of 5

Date of installation: 2002 Unknown
 Shoreland/Wellhead protection/Food Beverage Lodging? Yes No

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: Yes No

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: Yes No

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 2008 Rules (7080.2350 or 7080.2400 (Advanced Inspector License required) Yes No

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.

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local 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)

Comments/Explanation:

Reviewed design and permit records.

Indicate depths of elevations

| | |
|--|----------------------------|
| 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.

5. Operating Permit and Nitrogen BMP* – Compliance component #5 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? 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, 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.*

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Inspect Minnesota & Midwest Soil Testing
Subsurface Sewage Treatment System Owner/Property Information

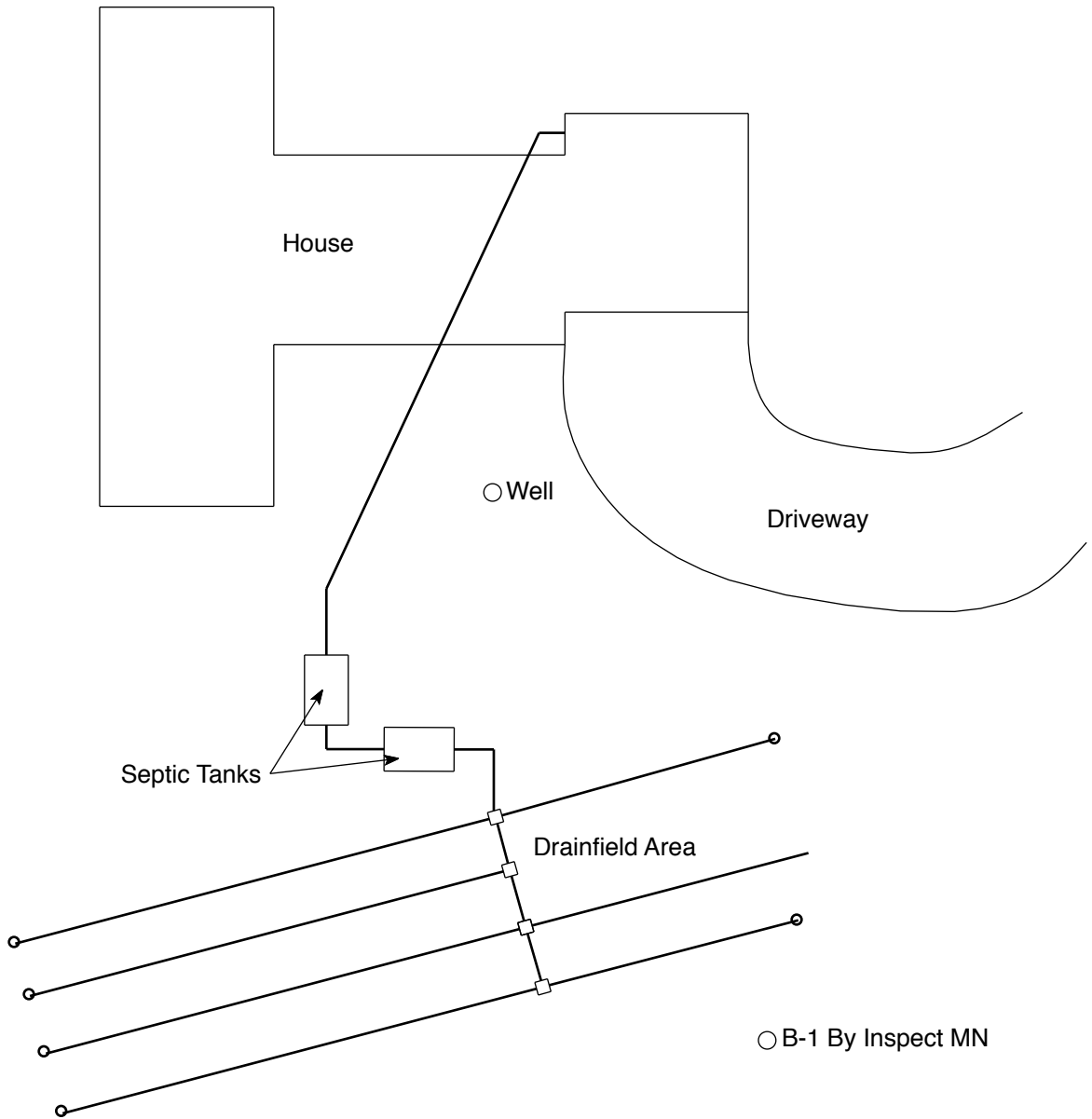
This information will be used for the purpose of conducting an MPCA Compliance Inspection.

| | | | |
|--|---|---|--|
| Date of Inspection: April 15, 2019 | | Time: 8:30 AM | |
| Property Address: 9750 Ideal Ave N, Grant, MN | | Zip: 55115 | |
| Property Owner: Lisa Fosdick | | Phone: 651-338-1747 | |
| <u>Tank(s)</u> <input checked="" type="checkbox"/> Septic 2 <input type="checkbox"/> Aerobic <input type="checkbox"/> Lift <input type="checkbox"/> Holding <input type="checkbox"/> Other: _____ | <u>Tank(s)Material</u> <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Block <input type="checkbox"/> Other _____ | <u>Soil Treatment System</u> <input checked="" type="checkbox"/> Rock trench <input type="checkbox"/> Gravelless trench <input type="checkbox"/> Chamber trench <input type="checkbox"/> Seepage bed <input type="checkbox"/> Mound <input type="checkbox"/> At-grade | <u>Other</u> <input type="checkbox"/> Alternative system _____ <input type="checkbox"/> Experimental system _____ <input type="checkbox"/> Cesspool system _____ <input type="checkbox"/> Other system _____ _____ _____ |
| Are the tank maintenance covers accessible? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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: 2002 | Year septic installed: 2002 | Tank size (gals.): 2-1000 | |
| How long has seller owned the property? 2002 | | Number of residents in home? 3 | |
| Number of bedrooms? 2 | Are all floors drained by gravity? Y | | |
| Garbage disposal? N | | Whirlpool bath? Y | |
| 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? West Side | | | |
| Location of water well on lot? West Side | | Is the well a deep well? Y | |
| Have you ever experienced any problems with the system such as: tree roots, sewage back-ups, surfacing of sewage onto the ground, septic tank overflowing, etc.; or have any repairs been made to the system? N If yes, explain: | | | |
| When was the system last pumped? 2017 | | Name of pumper: Smilie's Sewer Service | |
| How often pumped in previous years? Every 2-3 | | Is 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: Lisa Fosdick's Signature On File

Date: 4/15/2019



← N
NO SCALE

9750 Ideal Ave N, Grant, MN 55115

Log Of Soil Borings

| | | | |
|-------------------------------|---|-----------------------------------|--|
| Location of Project: | | 9750 Ideal Ave N, Grant, MN 55115 | |
| Borings Made By: | | Inspect Minnesota | Date: 4/15/19 |
| Auger Used: | | Hand/Bucket | Classification System: USDA |
| Boring Number: | | 1 | Boring Number: |
| Surface Elevation of Boring | Same ground surface as last drainfield trench | | Surface Elevation of Boring |
| Depth In Inches | <u>Soils Encountered</u> | | Depth In Inches |
| 0-7 7-22 22-48 48-70 | 10YR 2/2 Loam 10YR 3/4 Sandy Loam 7.5YR 4/4 Sandy Loam (Moist) 7.5YR 4/4 Loamy Sand With Gravel ≈10% Rock Fragments Refusal At 70" | | |
| 70" | Depth To End Of Boring Or Redox | | Depth To End Of Boring Or Redox |
| Same | Elevation Of Boring Relative To System | | Elevation Of Boring Relative To System |
| -38" | Depth To Bottom Of Distribution Media | | Depth To Bottom Of Distribution Media |
| ≥32" | Of Separation | | Of Separation |
| End Of Boring At: | | 70" | End Of Boring At: |
| Redox Present At: | | None | Redox Present At: |
| Standing Water Present At: | | None | Standing Water Present At: |

Bottom Of Distribution Medium At: 38 Inches

JOB DAVE WALLIN
9750 IDEAL AVE. & HY 96
CITY OF GRANT

BORING LOG

DATE 5-4-01BOREHOLE DIAMETER 4" - 3/8" HAND AUGER

| DEPTH FEET | HOLE #1 | HOLE #2 | HOLE #3 | HOLE #4 | HOLE #5 | SOIL CLASSIFICATION | |
|------------|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|---------------------|-----|
| | | | | | | | |
| | TOP SOIL | TOP SOIL | TOP SOIL | TOP SOIL | TOP SOIL | BROWN SAND | 4/4 |
| 1 | BROWN, FINE SAND | BROWN, FINE TO MEDIUM SAND | BROWN, FINE TO MEDIUM SAND | BROWN, FINE TO MEDIUM SAND | BROWN, VERY SANDY LOAM | STRONG BROWN LOAM | 5/6 |
| 2 | | | | | | BROWN LOAM | 4/4 |
| 3 | | | | | | | |
| 4 | STRONG BROWN, SANDY LOAM | STRONG BROWN, SANDY LOAM | STRONG BROWN, SANDY LOAM | | STRONG BROWN, SANDY LOAM | | |
| 5 | | | | BROWN LOAM | | | |
| 6 | | | BROWN, FINE TO MEDIUM SAND | BROWN, MEDIUM SAND | | | |
| 7 | STOP | STOP | STOP | STOP | STOP | | |
| 8 | OKAY 6'+ | OKAY 6'+ | OKAY 6'+ | OKAY 6'+ | OKAY 6'+ | | |
| 9 | | | | | | | |
| 10 | | | | | | | |