

SP TESTING INC.

Steven B. Schirmers – 951 Katydid Lane NE – St. Michael, MN 55376
Cert. No 627 – State License #394 – Phone 763-497-3566 – Fax 763-497-5011
www.sptestesting.wastewater@comcast.net – schirmerswastewater.com

June 23, 2020

**Dan Taylor
18980 Fenway Ave. N
Forest Lake, MN**

This inspection was completed in October of 2018. I had trouble reaching the Taylor's after it was completed & was waiting for the tank Integrity report in which we require for compliance. I never did receive the tank report & the report was Got misplaced.

A Compliance inspection was completed for the existing on-site sewage treatment system located on this property for the sale of the home. The system consists of 1-1500 gallon & 1-1000 gallon septic tanks, 1 -300 gallon pump tank, a pressurized mound system with a 10' x 63' rock bed, built in 2014 for a 5 bedroom home.

Soil boring #1 found mottled soil (redox features) at the original soil & the original soil at elev. 99.0 & the bottom of the rock bed at elev. 102.7 leaving 3.7' of sand below the rock bed & a 3.7' separation from the bottom of the rock & redox features. Soil boring #2 found mottled soil at the original soil & the original soil at elev. 99.0 & the bottom of the rock bed at elev. 102.7 leaving 3.7' of sand & a 3.7' separation. This system meets the required 3' separation from the bottom of the rock bed. The system should have been Designed as a Type 111, with 3.7' of sand.

The tanks were pumped by Smilies Sewer & were found to be compliant.

Nothing other than gray water (laundry, showers etc.) human waste & toilet tissue should be disposed of into the septic tanks. Garbage disposals are not recommended due to adding more solids & fine solids passing through into the system. Iron filters are also not recommended & should be diverted out of the system. Excessive amounts of soaps, antibacterial soaps, cleaning agents, shower cleaners used every shower & chlorine agents may kill the bacteria you need living in the system. Additives are not recommended. Recommend to pump & clean you tanks through the manhole by a certified pumper every 2 years. Check with your pumper to set up a schedule. This certificate of compliance is no guarantee that this system will continue to function indefinitely.

Steven B. Schirmers

RECEIVED

JUN 29 2020

PUBLIC HEALTH

S-P TESTING, INC.

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DAN KAWLER
14940 KELWAY AVE. NO.
FOREST LAKE MN WASH. CO.

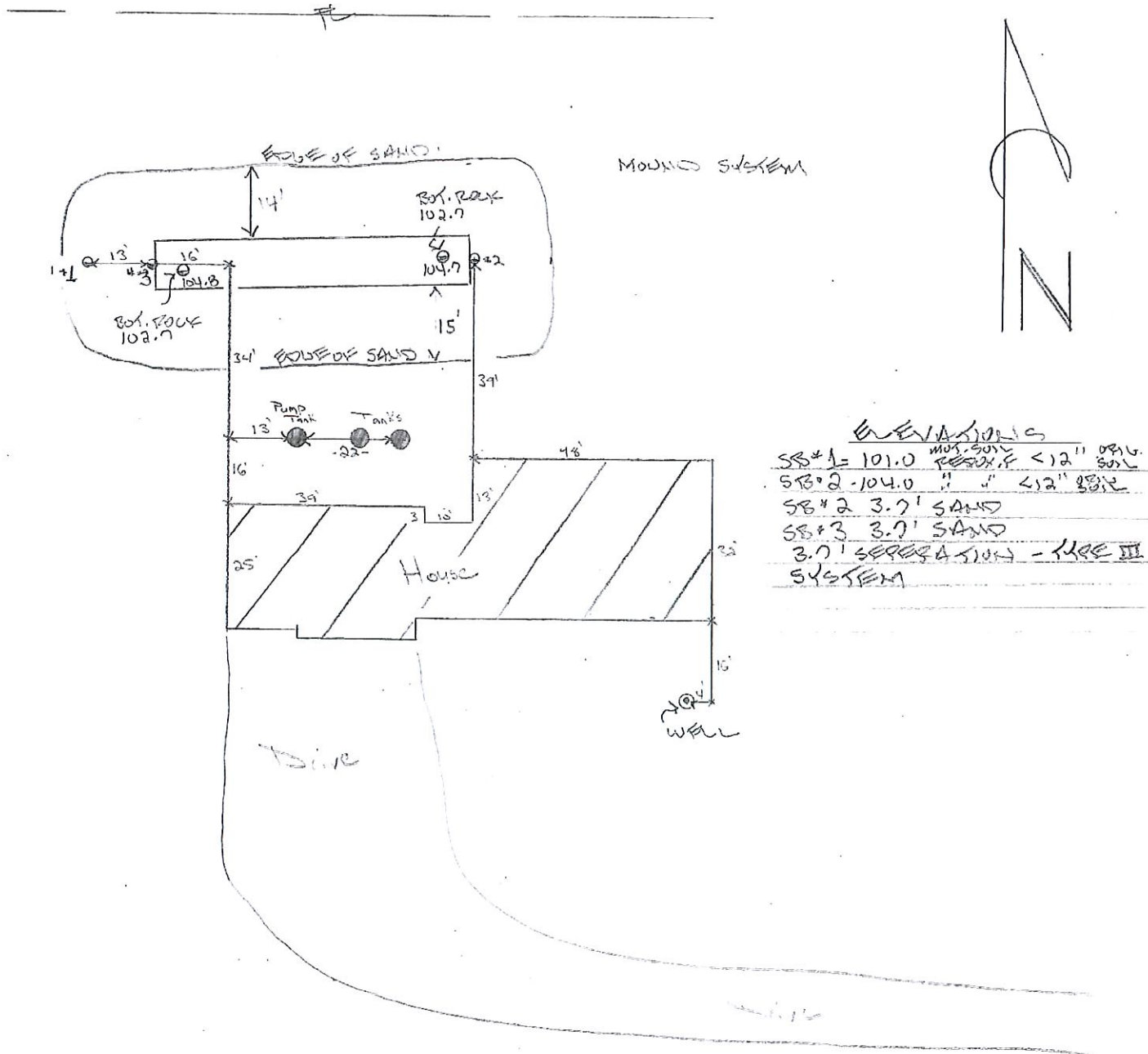
SCALE: 1"=30'

Steve B. Schirmers 10-13-18

TBM: 100.0 Top of MH

Center on Pump Tank

190 FT ST. N.



ELEVATIONS
 SB#1 = 101.0 ^{max. soil} _{result < 12" soil}
 SB#2 = 104.0 " " _{< 12" soil}
 SB#3 = 3.0' SAND
 3.0' SEPERATION LAYER - TYPE III SYSTEM



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.

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

For local tracking purposes: [Empty box]

System Status

System status on date (mm/dd/yyyy): 10-1-18

[X] 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

Property address: 18960 FENWAY AVE. N, FORT LAKE
Parcel ID# or Sec/Twp/Range: WASHINGTON CO.
Reason for inspection: PROPERTY TRANSFER
Property owner: DAN KAHLER
Owner's phone:
Owner's representative:
Representative phone:
Local regulatory authority: WASHINGTON CO
Regulatory authority phone: 651-430-6655
Brief system description: 2 - gal. SEPTIC TANKS, gal PUMP TANK AND MOUND SYSTEM
Comments or recommendations: WITH A 10'x63' PUMP TANK, SIZED FOR A 3 BEDROOM HOME - STATE CO.
RECENT SLEWED AND TANK

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: STEVEN B. SCHIRMERS
Certification number: 627
Business name: S-P TESTING INC.
License number: 394
Inspector signature: [Signature]
Phone number: 763-497-3566

Necessary or Locally Required Attachments

- [X] Soil boring logs
[X] System/As-built drawing
[] Forms per local ordinance
[] Other information (list):

Property address: 16960 KENWAY AVE. W.

Inspector initials/Date: CRS 10-13-18

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 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:

Verification method(s):

- Searched for surface outlet
- Searched for seeping in yard/backup in home *NO*
- Excessive ponding in soil system/D-boxes *NO*
- Homeowner testimony (See Comments/Explanation)
- "Black soil" above soil dispersal system *NO*
- 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 7080.2650 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth.	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

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

Comments/Explanation:

SEE ATTACHED TANK INTEGRITY REPORT -

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 falling to protect groundwater*

Explain:

Property address: 14960 FEUNWAY AVE. 250

Inspector initials/Date: 10-13-18

4. Soil Separation – Compliance component #4 of 5

Date of installation: 2014 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:

Indicate depths of elevations

A. Bottom of distribution media	58+2 - 102.7 3.7' SAND 58+3 - 112.7 3.0' "
B. Periodically saturated soil/bedrock	0.0'
C. System separation	3.0'
D. Required compliance separation*	3.0'

*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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October 5, 2018

**Dan Taylor
18980 Fenway Ave. North
Forest Lake, MN**

Soil borings completed with a bucket auger on 10-1-18

**SOIL BORING #1 – ELEV. 101.0 – MOTTLED SOIL PRESENT IN THE BORING
AT the surface.**

**0 - 14" Fill soil loam
14" - 22" fill soil medium sand
22" - 32" Original soil dark brown loam 10YR 3/2
32" - 40" Gray brown loam 10YR 5/2 – distinct mottles 10YR 6/8**

**SOIL BORING #2 – ELEV. 104.3 – MOTTLED SOIL PRESENT IN THE BORING
AT the surface.**

**0 - 12" Fill soil loam
12" - 64" Fill soil medium sand
64" - 74" Original soil dark brown loam 10YR 3/2 –
distinct mottles 10YR 6/8**

SOIL BORING #3 – ELEV. 104.0 – Through the mound.

**0 - 18" Fill soil loam
18" - 60" fill soil medium sand
60" - 72" Original soil dark brown loam**



DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
 GOVERNMENT CENTER
 14949 62nd STREET NORTH P.O. BOX 6 STILLWATER, MN 55082-0006
 Office: 651-430-6655 TTY: 651-430-6246 FAX: 651-430-6730

Subsurface Sewage Treatment System Maintenance Permit

This section must be completed in its entirety to constitute a valid maintenance permit. This permit must be completed prior to performing maintenance activities and remain on-site for the duration of the maintenance activity.

Date of Maintenance: 20 Dec 18 Reason for Maintenance: Reg Maint - Compliance Insp.
 Property Address: 18980 Fenway Ave N Property Owner's Name: Betty Bender
 Municipality: Forest Lake ZIP: 55085 Property Identification Number: _____
 Maintenance Permit No: N26428 14762 Maintainer Name and License No. Smilie's Sewer Service/L2428

Maintenance Performed	Tank Measurement (must be completed if tanks NOT pumped)
<input checked="" type="checkbox"/> Tank(s) Pumped <input type="checkbox"/> Sludge and scum measured Do tanks need to be pumped? <input type="checkbox"/> Yes <input type="checkbox"/> No (if no provide measurements)	Liquid Level of Tank _____ in Sludge Level in Tank _____ in Scum Level in Tank _____ in Sludge + Scum _____ / Liquid Level _____ X 100 = % Sludge & Scum _____ Tanks must be pumped if 25% or greater

- Access used to remove septage: Maintenance Hole Other (enter authorization code)
- Were all covers securely replaced? Yes No
- Is there evidence of tank leakage from a septic, holding, pretreatment or pump tank below the operating depth or evidence of damaged, cracked, or structurally unsound maintenance hole covers? Yes No

Tank	Leaking Out	Leaking In	Cover Damage
Septic/Holding Tank #1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Septic/Holding Tank #2	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pretreatment Tank	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pump Tank	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

4. How many gallons of septage were removed?
 Tank #1 1500 gal Tank #2 1000 gal Pretreatment tank _____ gal Pump Tank 300 gal

5. Other information: List any troubleshooting, minor repairs conducted, tank safety concerns, or other concerns.

6. Location of septage disposal: Metro

Smilie's Sewer Service
 PO BOX 100
 Scandia, MN 55073
 License# 2428 P: 651-433-3934

2018-012081
UID# 19415

Maintenance activities must be reported to the Department within 90 days.