

TEN THIRTY ENVIRONMENTAL SOLUTIONS



Ten Thirty Environmental Solutions, SBC
1684 132nd Ave NE
Blaine, MN 55448

Regarding Septic Compliance Inspection For Property Located At: 2668 Meadow Vista Way

October 31, 2019

Please find the enclosed compliance inspection for the property located at 2668 Meadow Vista Way in Afton Minnesota. This compliance inspection was conducted on October 23rd and 24th, 2019 and completed and submitted to the local permitting authority on October 31st, 2019 to be in compliance with local and state requirements.

No action is required on your part as your septic system is considered compliant according to local and state rules. Please keep the enclosed compliance inspection for your records. The inspection is good for three years from the date of the inspection, so the inspection is valid until October 24th, 2022.

If there are any questions or concerns with the compliance inspection please do not hesitate to call or email.

Sincerely,

Alex Pepin
612-248-4281
alex.pepin@tenthirtyenvironmental.com



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

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): 10/24/2019

[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

Parcel ID# or Sec/Twp/Range:

Property address: 2668 Meadow Vista Way Reason for inspection: Potential damage from traffic

Property owner: Anshu Khandpur Owner's phone: 651-425-0353

Owner's representative: SAA Representative phone: SAA

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description:

Comments or recommendations:

System was installed three years ago and appears to be operating normally and is compliant on the date of inspection as defined by local and state rules. Minor damage to the cleanouts was repaired by a certified maintainer/installer/service provider that resulted from vehicle traffic over the system. Compaction was addressed at the time of repair and a boring was done over the system as part of this inspection and no issues were observed with ponding or water not percolating through the soil below 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: Alex Pepin Certification number: C9844

Business name: Ten Thirty Environmental Solutions License number: L4082

Inspector signature: [Signature] Phone number: 612-248-4281

Necessary or Locally Required Attachments

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

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

Compliance criteria:

System discharges sewage to the ground surface.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System causes 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:

Homeowner indicated the system is operating and no backups are occurring.

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 type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input type="checkbox"/> No

Any “yes” answer above indicates the system is failing to protect groundwater.

Comments/Explanation:

Dropped a camera down to look within the tanks and observed the tanks at their operating levels.

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 be 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:

4. Soil Separation – Compliance component #4 of 5

Date of installation: 6/1/2017 Unknown
(mm/dd/yyyy)

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.

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:

System has adequate separation. No redox was observed in boring down to 7 ft.

Indicate depths or elevations

A. Bottom of distribution media	100.33
B. Periodically saturated soil/bedrock	none observed (end of boring - 96.62')
C. System separation	3.71'
D. Required compliance separation*	3'

*May be reduced up to 15 percent if allowed by Local Ordinance.

Any “no” answer above indicates the system is failing to protect groundwater.

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

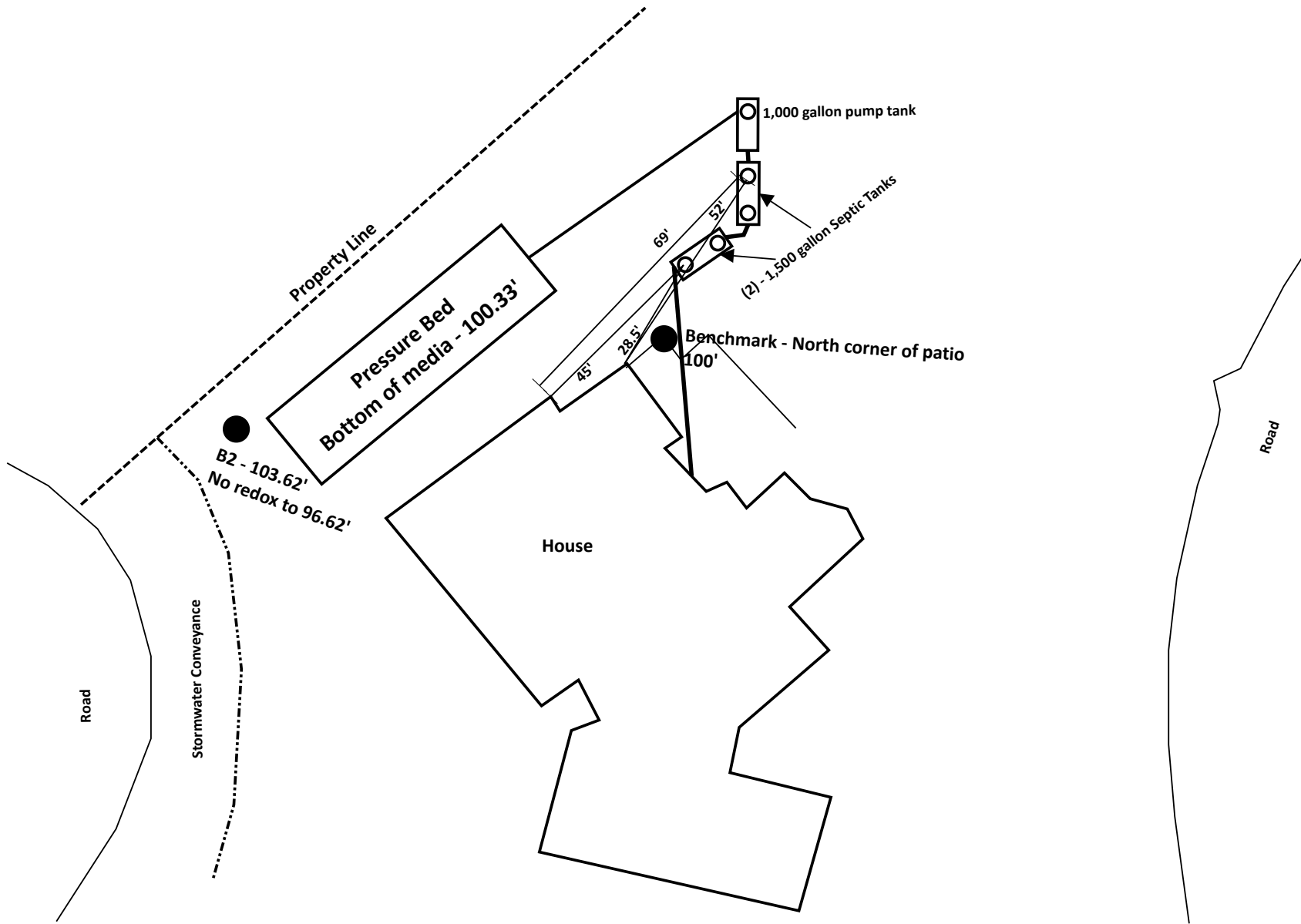
If the answer to both questions is “no”, this section does not need to be completed.

Compliance criteria

a. Operating Permit number: _____ Have the Operating Permit requirements been met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the required nitrogen BMP in place and properly functioning?	<input type="checkbox"/> Yes <input type="checkbox"/> No

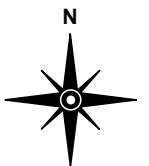
Any “no” answer indicates Noncompliance.

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.*



2668 Meadow Vista Way - Compliance Inspection
 Inspection By: Ten Thirty Environmental Solutions, SBC

Not to scale





Soil Observation Log

Project ID:

v 04.01.2019

Client: Anshu Khandpur			Location / Address: 2668 Meadow Vista Way						
Soil parent material(s): (Check all that apply)			<input checked="" type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input checked="" type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter						
Landscape Position: (check one)			<input checked="" type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Back/Side Slope <input type="checkbox"/> Foot Slope <input type="checkbox"/> Toe Slope			Slope shape: Linear, Linear			
Vegetation: currently working on landscaping		Soil survey map units: 340 B		Slope %: 3.0		Elevation: 103.62'			
Weather Conditions/Time of Day: 2:00 PM Sunny				Date:					
Observation #/Location: B1				Observation Type: Soil Observation					
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	I----- Structure-----I		
							Shape	Grade	Consistence
0-11	Loam	less than 10	10 YR 3/2				Granular	Weak	Friable
11-22	Silt Loam	less than 10	10 YR 4/3				Blocky	Moderate	Firm
22-30	Silt Loam	less than 10	10 YR 4/4				Blocky	Moderate	Firm
30-72	Sandy Loam	less than 20	<u>7.5 YR 4/4</u>				Blocky	Moderate	Friable
72-84	Loamy Fine Sand	less than 10	10 YR 4/4				Single grain	Structureless	Loose

Comments: Some larger rocks encountered and had to dig a couple holes, but good to 84".

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

Alex Pepin		L4082	10/23/2019
(Designer/Inspector)	(Signature)	(License #)	(Date)