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**Advanced OnSite,
Inc.**

Memo

To: RE/MAX Professionals (Stillwater) attn: Ken Hatfield/John & Kim Gelao
From: Tom Klanchnik
Date: September 26, 2019
Re: Compliance. Insp: 15185 15th Street N Stillwater, MN. 55082

Hi,

Please find the enclosed M.P.C.A. compliance inspection information. The septic system compliance inspection for the above mentioned location was completed on September 22, 2019.

A physical inspection of the entire septic system area was conducted. **No evidence of any kind of discharge was observed/evident.**

Both 1000 gallon septic tanks and the 1000 gallon pump chamber were probed to verified as **precast with solid bottoms**. This verifies AS-BUILT data from LGU files.

The existing Trench type Drain Field with five drop boxes and one trench per box w/12" of rock below the pipe (varied lengths-1200 total Sq Ft) were field located. Probing of the trenches verified the max depth to trench bottom at 18" inches below surface grade. The condition noted as "Re-dox features" was absent to a depth of 54" Inches below surface grade. Re-dox features indicate a high water table or restrictive layer/bedrock situation. Regulations for this 9/27/2001 system require three feet (36 inches) of separation from any evidence of Re-dox features (clean to 54 inches) below surface grade, up to the bottom of the distribution media/trench bottom (18 inches) below surface grade. It is evident (54" – 18" = 36") that the required **36" of separation does exist**. (Please see sketch w/ current & as-built boring log attached) This also verifies AS-BUILT data from LGU files.

Based upon the site evaluation of September 22, 2019 the septic system has been classified as a **Passing** or **Complying** system. Please understand this evaluation is not a guarantee of future performance for this septic system. This evaluation only documents that the septic system is in compliance with today's inspection standards at the time of the inspection.

If you have any questions please feel free to contact me at (612) 232-9737.
Thanks!



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.

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

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): September 22, 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: PID # 270292032009

Property address: 15185 15th Street North Stillwater, MN. 55082 Reason for inspection: Property Transfer

Property owner: John & Kim Gelao Owner's phone:

or

Owner's representative: RE/MAX Professionals attn: Ken Hatfield Representative phone: (612) 387-4284

Local regulatory authority: Washington County Regulatory authority phone: (651) 430-6679

Brief system description: 2 x 1000 gal Septic, 1000 gal Pump (Tanks), five drop boxes w/1 trench w/12" rock below pipe-per box

Comments or recommendations:

See sketch for Configuration

Consulted AS-BUILT/Construction Data from LGU Files

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 per can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

Inspector name: Thomas Klanchnik Certification number: R 5945

Business name: Advanced OnSite, Inc. License number: L 2656

Inspector signature: [Signature] Phone number: (612) 232-9737

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:

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. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Comments/Explanation:

Consulted AS-BUILT/Construction Data from LGU Files

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: 9/27/2001 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:

Indicate depths or elevations

A. Bottom of distribution media	98.5
B. Periodically saturated soil/bedrock	95.5
C. System separation	36"
D. Required compliance separation*	36"

*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: _____ 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.

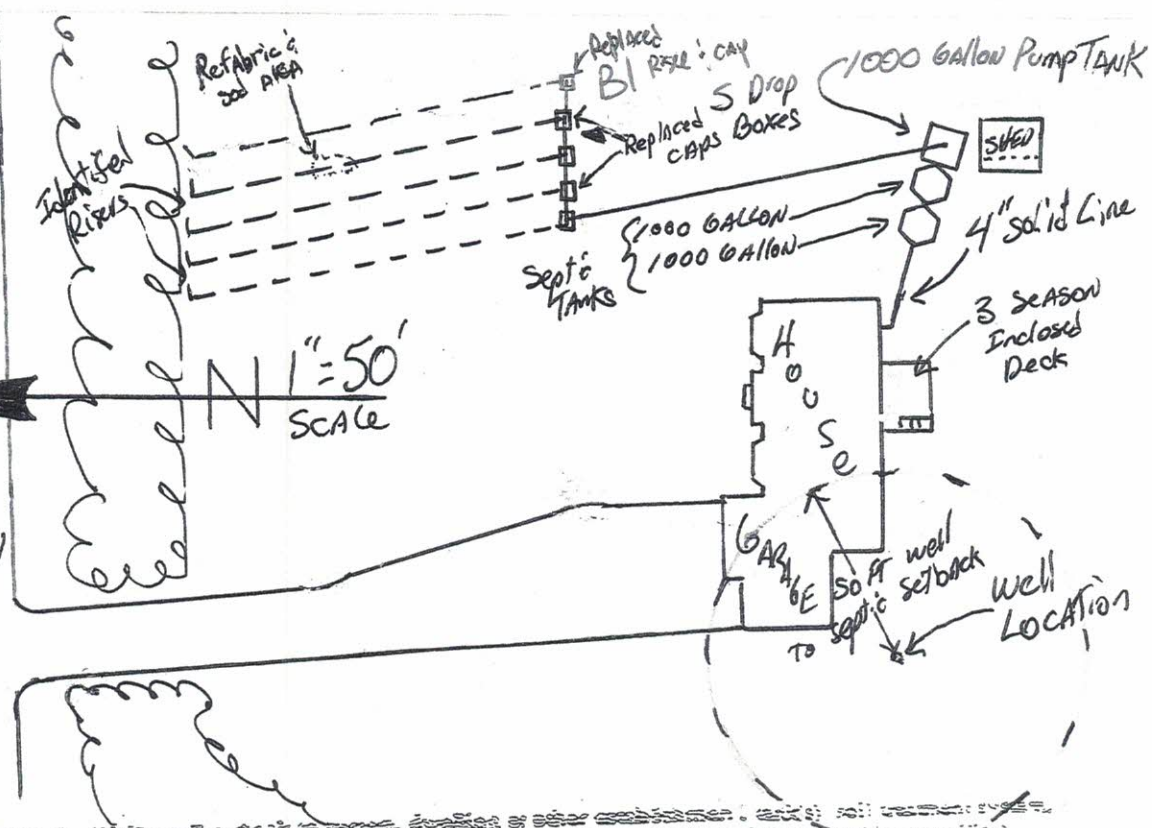
Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, 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.

Pump NOTES:

- ① 6pm 38 = 1/2 HP
- ② 18 TDH
- ③ 140 GAL per cycle

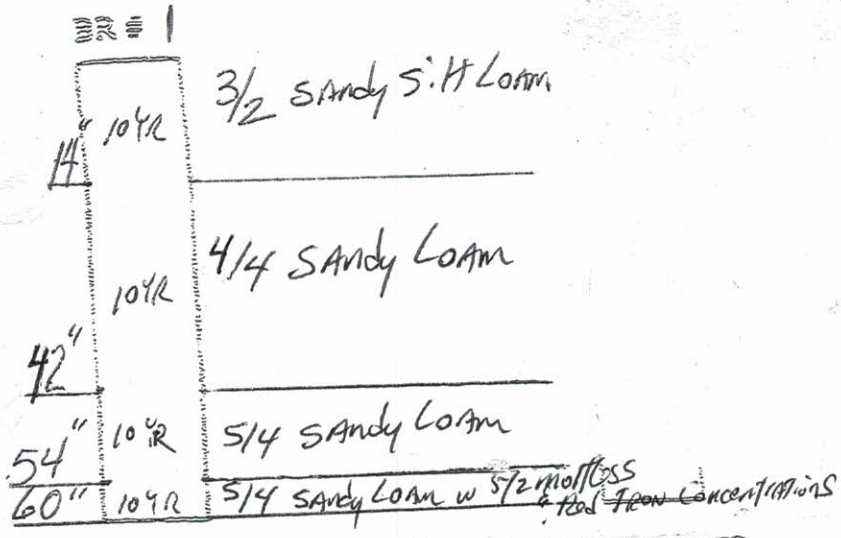
Trench NOTES:

- ① 36" wide
- ② 12" Rock Below pipe
- ③ MAX Depth 18"
- ④ INSTALL DATE: Documented 9/21/2001
- ⑤ 1200 sq. FT Trench Bottom



From below the location of: Well and extent of area... (faded text)

From construction boring log in same location!



Probe Depth to Trench/Media Bottom 18"
 M = Clean to 54"
 54" - 18" = 36" 36" Separation!

DEPTH FEET	HOLE #4
1	TOP SOIL - LOAM - SANDY
2	YELLOWISH BROWN, SANDY LOAM SOIL IS MOIST
3	
4	YELLOWISH BROWN, SANDY LOAM - SOIL IS DRY
5	MOTTLED SOIL
6	STOP
7	MOTTLE 4'6"