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**Advanced OnSite,  
Inc.**

# Memo

**To:** Kubes Realty attn: Gloria Flicek/Curtis Thoemke  
**From:** Tom Klanchnik  
**Date:** December 2, 2019  
**Re:** Compliance. Insp: 3511 Long Lake Road Pine Springs, MN. 55115

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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 November 25, 2019.

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

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

The existing Trench Type Drain Field with four drop boxes and one 33 ft trench per box with 18" of rock below the pipe was field located. The trenches were probed verifying as-built data of max depth to trench/distribution media bottom at 36" inches below surface grade. A soil boring was completed in the drain field area, on contour, but outside the influence of the trenches (please see sketch). The condition noted as "Re-dox features" was absent to a depth of 72 Inches below surface grade. Re-dox features indicate a high water table or restrictive layer/bedrock situation. Regulations for this 06/29/1999 system in a shore land area require three feet (36 inches) of separation from any evidence of Re-dox features (clean to 72 inches) below surface grade, up to the bottom of the trench/distribution media bottom (36 inches) below surface grade. It is evident ( $72" - 36" = 36"$ ) that the required **36" of separation does exist**. This also verifies AS-BUILT/Construction data obtained from LGU records. Please see 1<sup>st</sup> Soils Attached. This denotes 2<sup>nd</sup> soils certification.

Based upon the site evaluation of November 25, 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!

**RECEIVED**  
DEC 05 2019  
**PUBLIC HEALTH**



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): November 25, 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 # 32.030.21.34.0008

Property address: 3511 Long Lake Road Pine Springs, MN. 55115 Reason for inspection: Property Transfer

Property owner: Buyer-Curtis Thoenke Owner's phone: Buyer: (651) 248-4014

or
Owner's representative: Kubes Realty attn: Gloria Flicek Representative phone: (612) 245-1998

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

Brief system description: 2x1000 gal Septic, 1000 gal Pump (Tanks), 4 drop boxes w/one 33' Trench per box-18" rock below pipe

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 nor 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: 6/29/1999  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.

**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:**

Verifies AS/BUILT data and constitutes 2<sup>nd</sup> Soils  
Note: see first soils attached

**Indicate depths or elevations**

A. Bottom of distribution media	97.0
B. Periodically saturated soil/bedrock	93.0
C. System separation	36"
D. Required compliance separation*	36"

\*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

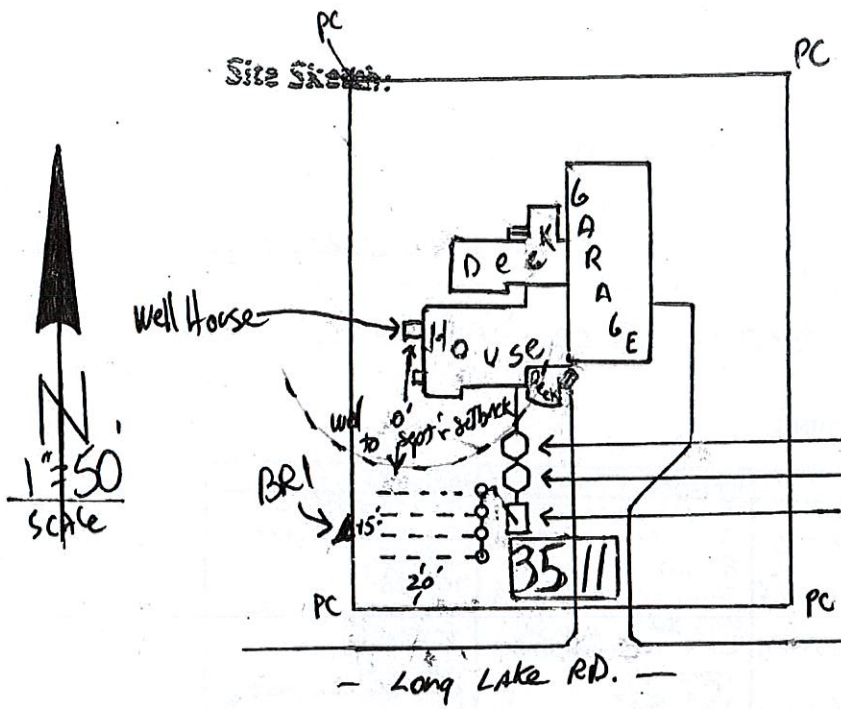
**If the answer to both questions is "no", this section does not need to be completed.**

**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.



- NOTES:**
- ① MAX Trench Depth 36"
  - ② 18" Rock Below the Pipe
  - ③ Pump 35 GPM @ 13 TDH (1/2) Hp
  - ④ 4 Trenches @ 33 FT EACH
  - ⑤ 4 Drop Boxes - 1 per Trench
- 1000 GAL Septic Tank } Minnesota Precast  
 1000 GAL Septic Tank }  
 1000 GAL Pump chamber }

Please indicate the location of: Well, well casing or system, drilling or other installation, tank(s), soil treatment system, reserved soil treatment area, curbs, drains, property lines, walkways, and utility lines (State / Of installed by the utility). Include spot and high and approximate elevations from fixed reference points such as street and buildings. Please attach as-built drawings, inspection reports, Certificate(s) of Compliance and Notice(s) of Noncompliance, if available.

**Soil Borings (BR #):** Locate each boring on the map above, indicate on the right of the column the soil texture, structure, color, depth of each different soil type, evidence of mottling, bedrock and standing water. Also indicate if the material is fill.

BR #1	BR #	BR #
8" 104R 2/2 Silty Loam		
20" 104R 3/2 LOAM		
36" 104R 4/4 SAND		
52" 104R 4/6 SAND w/GRAVEL		
72" 104R 4/4 SAND		

M = Clean to 72"

RECORD DEPTH OF MOTTLING, SEASONAL HIGH WATER OR BEDROCK ON ABOVE LINES

Install MAX Depth to Trench/Media Bottom 36"

M = clean to 72" 36" Separation  
 72" - 36" = 36"

**NOTE:** 1<sup>st</sup> SOILS ATTACHED - THIS DENOTES 2<sup>nd</sup> SOIL CERTIFICATION

# SOIL BORING AND PERCOLATION TEST REPORT

4-6

Date 5-12-99

Name Duane HAATVEDT

Address 3511 LONG LAKE ROAD - PINE SPRINGS

### FINDINGS

Test hole	Boring #1	Boring #2	Boring #3
Soil Type	0" - 8" TOPSOIL SILT LOAM 10TR 3/2	0" - 8" TOPSOIL SILT LOAM 10TR 3/2	0" - 16" TOPSOIL LOAM/SILT LOAM
Depth----	8" - 22" CLAY LOAM 10TR 5/6 22" - 54" CRS. SAND 10TR 5/4 54" - 64" CRS. SAND & GRAV. 10TR 3/4 64" - 77" VERY CRS. SAND 10TR 6/3 / 6/4	8" - 20" SILT LOAM 10TR 5/6 20" - 32" CRS. LOAMY SAND 10TR 3/4 32" - 52" CRS. SAND & GRAV. 10TR 4/6 52" - 77" VERY CRS. SAND 10TR 5/4 / 5/3	10TR 3/2 16" - 28" SILT LOAM & GRAV. 10TR 4/4 28" - 52" CRS. SAND 10TR 4/6 52" - 66" MED-FINE SAND 7-STR 4/6 66" - 77" CRS. SAND 10TR 6/4
	NO MOTTLES FOUND DIRT HOLE	NO MOTTLES FOUND DIRT HOLE	NO MOTTLES FOUND DIRT HOLE
Percolation Results	PERK RATE 1.10-5.0 MPI 1.67 SSF		

Plan Sketch: See Attached 3 - BEDROOM, TYPE 1 HOME

General Notes: 2 - 1000 GALLON SEPTIC TANKS

1000 GALLON PUMP TANK

400 SQ. FT. OF DRAINFIELD w/ 18" OF PERC BELUM PIPE

30 CU. YDS. (OR) 42 TONS OF CLEAN ROCK

Remarks: MAINTAIN 36" BETWEEN MOTTLED SOIL AND  
BOTTOM OF TRENCHES. MAX. DEPTH - 42" FROM EXIST. GRADE

By: Mark Tradewell - Consultant  
Phone: 753-6222

*Mark Tradewell*

## Denise Lange

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**From:** Tom Klanchnik <aos@bevcomm.net>  
**Sent:** Tuesday, December 3, 2019 4:59 PM  
**To:** Denise Lange  
**Subject:** 3511 Long Lake Rd-CI  
**Attachments:** CCE\_001077.pdf

### **Advanced OnSite, Inc.**

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