



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): 11/22/2019

[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: 3303121410006

Property address: 7275 125TH ST N, CITY OF HUGO Reason for inspection: PROPERTY TRANSFER

Property owner: ELLISON WAYNE D TRS & MARTHA B ELLISON T Owner's phone:

Owner's representative: Representative phone:

Local regulatory authority: WASHINGTON COUNTY Regulatory authority phone:

Brief system description: 1500-GALLON SEPTIC TANK, 1000-GALLON LIFT TANK AND AND 530 LN FT GRAVELLESS PIPE

Comments or recommendations:

OLD SYSETM UTILIZING A GRAVELLESS PIPE THAT IS UNDERSIZED AND NO LONGER ALLOWED FOR USE IN MINNESOTA. NO GUARANTEE ON FUTURE HYDRAULIC PERFORMANCE OF SYSTEM AND I WOULD RECOMMEND UPGRADE. TREES GROWING OVER THE TANKS NEED TO BE REMOVED TO ALLOW CLEAR ACCESS TO MANHOLE COVERS AND PREVENT DAMAGE TO TANKS/ROOT INTRUSION.

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: RYAN LASHINSKI Certification number: 3053

Business name: LASHINSKI SEPTIC SERVICE License number: L65

Inspector signature: [Signature] Phone number: 763-434-3915

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:

SYSTEM CONSISTS OF GRAVELLESS PIPE WHICH IS NO LONGER ALLOWED FOR USE IN MINNESOTA. HOUSE VACANT AT THE TIME OF INSPECTION WITH LITTLE/NO USE. DRAINFIELD IS UNDERSIZED AND OLD (28 YRS), NO GUARANTEE ON FUTURE HYDRAULIC PERFORMANCE.

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:

TANKS PUMPED BY SMILIES. TREES GROWING OVER TANKS MUST BE CLEARED AND MANHOLE COVERS RISERED TO GRADE

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: 12/13/1991 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	25"
B. Periodically saturated soil/bedrock	54"
C. System separation	29"
D. Required compliance separation*	24"

*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.*



Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

Address 7275 125 Street, Hugo

Boring #1 Elevation:"		Boring #2 Elevation:"		Boring #3 Elevation:"
0-12	10YR 3/4 dark brown fine sand.	0-12	10YR 3/4 dark brown fine sand.	
-30	10YR 5/4, 4/4 brown loamy sand, faint depletions along root channels.	-26	10YR 5/4, 4/4 brown loamy sand, faint depletions along root channels.	
-60	10YR 5/4, 5/6 medium loamy sand. Redoximorphic mottling after 56", soil dry.	-60	10YR 5/4, 5/6 medium loamy sand. No redoximorphic mottling observed, soil dry.	

Sketch:

See attached

Comments: Benchmark = Top of gravelless pipe in last drainfield trench. Assumed elevation = 100'0". Soil borings #1 indicated redoximorphic mottling at a depth of 56", the system does meet the required 24" vertical separation from seasonally saturated soils. The system consists of a 1500-gallon septic tank, a 1000-gallon lift tank and approximately 530 ln. ft. of gravelless pipe installed in 1991. The tanks were pumped prior to this inspection, the baffles were checked and are o.k. Several trees have grown over the tanks and manhole covers that will need to be removed to provide access and prevent damage to the tanks. The manhole covers must be dug up and risered to grade. An agreement should be reached between the buyers and sellers to have the trees cleared and covers raised. The gravelless drainfield media that was installed is no longer permitted for use in Minnesota due to poor performance in some soil types and its inability to meet state required testing. The system is undersized and old, likely approaching the end of its expected life. This inspection is not a warranty or guarantee, either written or implied, of future or long-term hydraulic functionality/performance, but rather a determination if the systems use is/may cause pollution and/or adverse harm to the environment, groundwater or public health and safety at the time of this inspection. No guarantee can be made on future hydraulic performance, or the performance of system components (pumps, controls, etc.). Buyers should be aware of the age of this system. While no ponding was observed in the trenches, the system was vacant at time of inspection. Changes in use can cause any system, failing or compliant, to become hydraulically overloaded and ultimately fail. Owner/buyer assumes full responsibility for the long-term performance of this system as well as any future upgrade, repairs or replacement costs. Liability is limited to the cost of this inspection.

JOB KEYSTONE BLUES
LOT 2, BLK 2
DELLWOOD RIDGE HILLS

BORING LOG

DATE 9-17-91

BOREHOLE DIAMETER 4" 3/4" - 2 1/2" HAND AUGER

(LOW BORING)

DEPTH FEET	HOLE #1	HOLE #2	HOLE #3	HOLE #4	HOLE #5	HOLE #6
	TOP SOIL	TOP SOIL	TOP SOIL	TOP SOIL	TOP SOIL	TOP SOIL
1	BROWN, SANDY LOAM	BROWN LOAM	BROWN, MEDIUM SAND	BROWN, MEDIUM SAND	BROWN, MEDIUM SAND - HEAVY 1/2" TO 1 1/2" ROCK	BROWN, MEDIUM TO COARSE SAND - 1" ROCKS
2	BROWN, MEDIUM SAND	BROWN, MEDIUM SAND	BROWN CLAY WITH SAND LAYERS			
3	SAND QUITE WET - POSSIBLE FRESH RECENT 6" RAINFALL	SAND QUITE WET - POSSIBLE FRESH RECENT 6" RAINFALL	BROWN, SANDY CLAY - 1/2" TO 1" ROCKS	BROWN, SANDY CLAY WITH LIGHT SAND STRINGERS	BROWN, SANDY CLAY WITH LIGHT SAND STRINGERS	
4	DARK BROWN SANDY CLAY - DRY	BROWN CLAY			1" ROCKS	
5		DARK BROWN MEDIUM SAND		BROWN, SANDY CLAY		BROWN, SANDY CLAY - DRY
6	STOP	BROWN SAND - LIGHT MOTTLE			STOP	OBSTRUCTION STOP
7		STOP	BROWN, MEDIUM SAND - MOIST	STOP		
8		2 1/2" WATER IN THE BOREHOLE				
9						
10						