



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): 12/22/2020

[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: 1903221310012

Property address: 20290 ENFIELD CT N FOREST LAKE Reason for inspection: PROPERTY TRANSFER

Property owner: CROWE QUENTIN A & ELAINE H Owner's phone:

Owner's representative: Representative phone:

Local regulatory authority: WASHINGTON COUNTY Regulatory authority phone:

Brief system description: 2) 1000-GALLON SEPTIC TANKS 1000-GALLON LIFT TANK AND PRESSURIZED MOUND

Comments or recommendations:

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:

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:

TANK PUMPED AND INSPECTED 11/19/2019.

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: 6/22/2015 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:

SOILS VERIFIED AT TIME OF INSTALLATION

Indicate depths or elevations

A. Bottom of distribution media	99'0"
B. Periodically saturated soil/bedrock	<95'10"
C. System separation	>38"
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.



Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

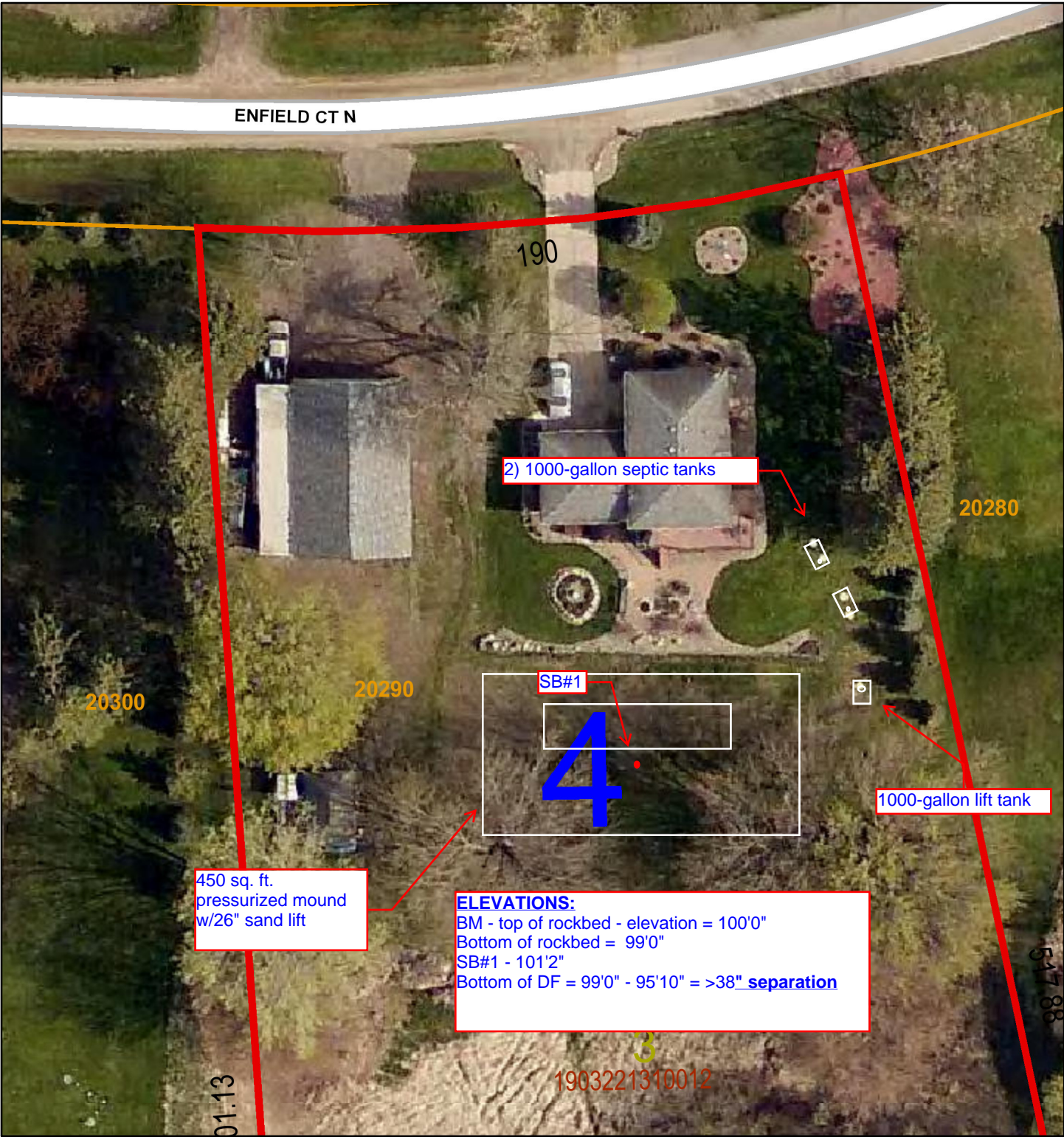
Address 20290 Enfield

Boring #1 Elevation: 101'2"		Boring #2 Elevation:	Boring #3 Elevation:
0-15 -48	10YR 3/3 topsoil/fill 10YR 5/4 medium washed sand, mound sand, soil dry. No wet conditions and/or ponding present.		
-63	10YR 4/4 fine sand. 10YR 5/4 fine sand, No redoximorphic mottling observed, soil dry.		

Sketch:

Comments: Benchmark = Top of rockbed in mound. Assumed elevation = 100'0". Soil boring #1 taken directly through the sand layer of the mound and along the downslope of the mound, indicated dry conditions with no sign of redoximorphic mottling at a depth of 36" beneath the rockbed. The system does meet the required 36" (31" w/allowable 15% reduction) vertical separation from seasonally saturated soils. The system consists of two 1000-gallon septic tanks, a 1000-gallon lift tank with a 450 sq. ft. pressurized mound system with >24" sand lift. The tanks were pumped in November, 2019 and found to be in good condition, the baffles were checked and are ok. Probe samples taken in the mound indicated no signs of excess ponding in the rockbed or sand layers of the mound. The pump and floats were manually run and operable at time of inspection. This system is classified as compliant. 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.). 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.

Washington County, MN



Row

Relative Elevations

B-1 = 100.0'

B-2 = 99.0'

B-3 = 100.3'

B-4 = 99.0'

P-1 = 99.3'

P-2 = 99.4'

BM = 104.8'

(top of retaining wall - E. end)

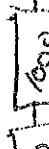
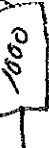
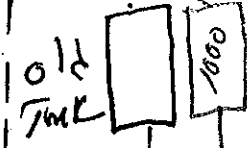
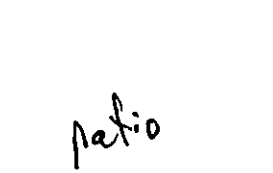
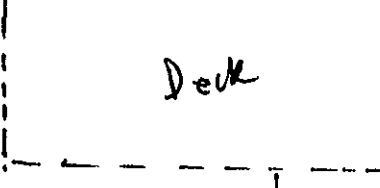
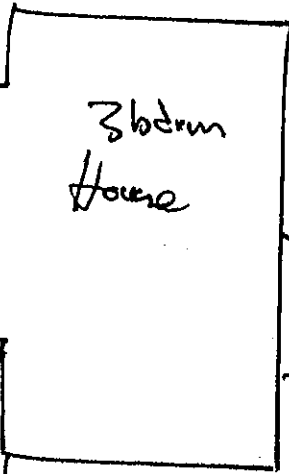
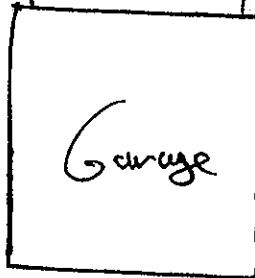
Tank
output 3105.0'



prop.
line

Drive

deep well



New Tanks

Christensen
sticks



old drain field

rock bed 60'

B-3

BM

B-1

35'

20'

P-2

P-1

15'

sloping
5-6%

B-4

60'

B-2

edge of berm

prop
line

LOGS OF SOIL BORINGS

Location of Project Dale Christensen, Basswood Ests., Sec. 19, City of Forest Lake

Borings Made by Chris Zierke

Date: 5/14/15

Hand bucket auger used for borings; USDA – SCS Soil Classification used.

Depth, In Feet 0----- 0-18"	Boring Number 1
	Dark-brown sandy loam(10YR-3/3)
18-24"	Dark grayish-brown clay loam(10YR-4/2), redox

End of boring at 2 feet.
Standing water table:
 Present at feet of depth, Hours after boring
 Standing water not present in hole
Mottled Soil:
 Observed at 1.5 feet of depth
 Mottled soil not present in bore hole
 Comments:

Depth, In Feet 0----- 0-18"	Boring Number 2
	Dark –gray sandy loam(10YR-2/2)

End of boring at 1.5 feet.
Standing water table:
 Present at feet of depth, Hours after boring
 Standing water not present in hole
Mottled Soil:
 Observed at feet of depth
 Mottled soil not present in bore hole
 Comments:

Depth, In Feet 0----- 0-18"	Boring Number 3
	Dark-brown sandy loam(3/3), redox
	Below 10"

End of boring at 1.5 feet.
Standing water table:
 Present at feet of depth, Hours after boring
 Standing water not present in hole
Mottled Soil:
 Observed at 10" feet of depth
 Mottled soil not present in bore hole
 Comments:

Depth, In Feet 0----- 0-18"	Boring Number 4
	Mixed fill soils

End of boring at 1.5 feet.
Standing water table:
 Present at feet of depth, Hours after boring
 Standing water not present in hole
Mottled Soil:
 Observed at feet of depth
 Mottled soil not present in bore hole
 Comments:

Onsite Sewage Treatment Program Soil Observation Log

Legal Description/GPS:

Date: 6/5/15

Client/ Address:

20290 RYFIELD

Soil Parent Material(s): Till (circle all that apply)

Bedrock

Landscape Position: Summit (circle one)

Slope Shape:

Vegetation: Lawn

Soil Survey Map Unit(s):

Slope (%):

Weather conditions/Time of Day: Cloudy

Observation #/Location/Method: 4" Auger

Elevation:

Depth (in)	Texture	Rock Frag %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Saturated Soil Indicator(s) (see back)	Structure			Consistence
							Shape	Grade	Consistence	
0-8	Sandy loam Possible Fill	/	10 3/3		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid	
8-12 Prob 12"	Sandy loam	/	10 3/3		Concentrations Depletions Gleyed	8"	Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid	
					Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid	
					Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid	
					Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid	

Comments:

Lower Edge of gravel Area fill over will be Gerts-Thr 30"

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

(Designer)

(Signature)

(License #)

(Date)