



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

This C-I is For Lot #1 on my map - The Lot with the house

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): 5/7/2020

[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: 29-1-139400

Property address: 49756 202nd. pl. McGregor, Mn. 55760 Reason for inspection: lot split

Property owner: Christine Arnoldi Owner's phone:

Owner's representative: Representative phone:

Local regulatory authority: Aitkin county planning & Zoning Regulatory authority phone: 218-927-7342

Brief system description: 1350 gallon combo tank that pumps up into a pressure bed.

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: Jarold R. Farley Certification number: C-4744

Business name: Farley sewer design License number: L-1919

Inspector signature: [Signature] Phone number: 218-839-4737

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 was at proper level with very few solids.

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: 4/16/1992 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:

boring Info:
0-6" topsoil 10 yr 3/2
6-33" loamy Sand 10 yr 3/4
33-54" Med. Sand 10 yr 4/6
no mottles at 54"

Indicate depths or elevations

A. Bottom of distribution media	98
B. Periodically saturated soil/bedrock	95
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

University of Minnesota Site Evaluation Form 5/16/2005



Lot
without
The House
Lot 2

Property Owner(s) Christine Arnoldi Phone Number _____
 Address 43144 St. Hwy. 65, McGregor, Mn. 55760
 P.I.D. 29-1-139500-29-1-139200 Section _____ Township _____ N Range _____
 Date 5/6/2020 Time 4:00 PM Weather conditions windy- sunny & clear

This Sewer Site is for Lot #2

Location Information shoreland dwelling replacement system
 (check all that apply) lot split info other establishment new home construction

Homeowner Information

No. of bedrooms (if applicable) _____ bedrooms (includes possible additions)
 No. of residents in home _____ adults _____ children
 Estimated flow _____ gpd
 Well casing depth _____ deep _____ feet Discharge location if checked _____
 Water using devices (check) _____ Garbage disposal _____ Water softener _____
 _____ Dishwasher _____ Sump pump _____
 _____ Large bathtub _____ High eff. furnace _____
 _____ Laundry/large tub on 2nd floor _____ Jucuzzi/hottub _____
 Water use concerns (check) _____ Toilet/faucet leaks _____ Max load laundry/day _____ Long term prescription medications
 _____ Home business _____ Lint screen _____ Antibact. soap _____ Frequent parties or out of town guests

Soil Data

Soil texture classification: sandy loam
 Unnatural soil (check) _____ Yes No
 Type of observation (check) _____ Probe _____ Pit Boring
 Parent material (check) Till _____ Outwash _____ Loess _____ Bedrock _____ Alluvium
 Vegetation type (check) _____ Wet Dry _____ Unknown
 Slope form (check) Summit _____ Shoulder _____ Back _____ Foot _____ Toe
 Drainage (check) Good _____ Fair _____ Poor _____ Ponding _____ Flooding
 Located in floodplain (check) _____ Yes No

Site Summary Data

Standing water: _____ inches
 Bedrock: _____ inches
 Saturated soil: _____ inches
 Maximum depth of system: _____ inches
 Max elevation at system bottom: _____ feet
 Soil sizing factor (SSF): _____ gpd/ft²
 Linear loading rate (LLR): _____ gpd/ft
 Was a perc test done? _____ Yes _____ mpi
 _____ No

Soil Survey Data	Soil #1	Soil #2
Map unit sym & name		
Landscape position		
Flooding		
Slope		
Watertable depth		
Bedrock depth		
Possible system depth		
Texture at depth		
Permeability (P)		
Perc(MPI) = 60 / P		
NRCS onsite suitability		

Soil Boring Data

Boring 1		Elevation:	Location:		
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence	
0-4"	topsoil-sandy loam	10 yr 3/2	s.g.	loose	
4-39"	loamy sand	10 yr 4/4	s.g.	loose	
39-68"	med sand	10 yr 4/6	s.g.	loose	
	no mottles @ 68"				

Boring 2		Elevation:	Location:		
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence	
0-7"	top soil-sandy loam	10 yr 3/2	s.g.	loose	
7-36"	loamy sand	10 yr 4/4	s.g.	loose	
36-58"	med. Sand	10 yr 4/6	s.g.	loose	
	no mottles @ 58"				

Site Evaluation Map

See attached Map

List any construction issues: _____

Mapping Checklist

Map scale: _____ ___ indicate north ___ show slope ___ % direction _____

Locate

- ___ lot dimensions/property lines
- ___ dwellings and other improvements
- ___ existing and/or proposed system(s)
- ___ replacement area
- ___ unsuitable area(s)
- ___ public water supply wells
- ___ pumping access
- ___ inner wellhead zone

Easements

- ___ phone
- ___ electric
- ___ gas

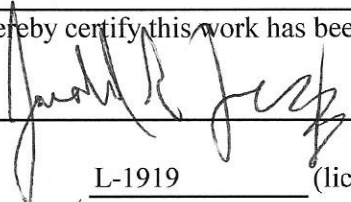
Elevations

- ___ borings
- ___ benchmark
- ___ perc tests
- ___ horiz&vert reference pts

Setbacks

- ___ building
- ___ all water wells within 100ft
- ___ pressure pipe
- ___ water suction pipe
- ___ streams, lakes, rivers
- ___ floodway and fringe

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



(signature)

5/6/2020 (date)

L-1919

(license #)

218-839-4737

(phone number)

FARLEY SEWER SYSTEMS

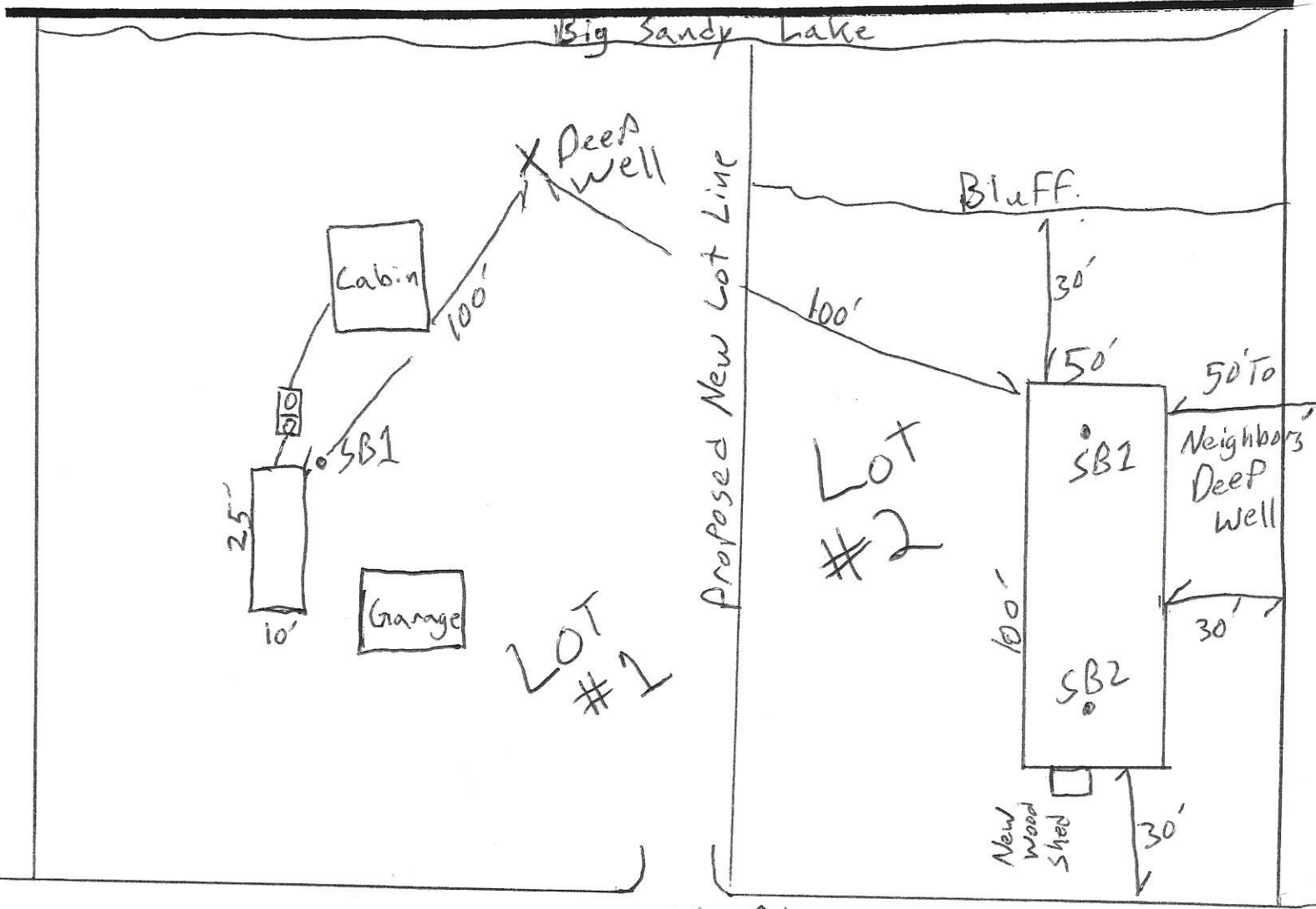
SEWER DESIGN & INSTALLATION

JAROLD R. FARLEY

P.O. Box 472
McGregor, MN 55760

Bus. Lic. No. L1919
Reg. No. 4744

218-839-4737 cell



202nd Pl.



Four Parcel Numbers Connected to: 29-1-

- 139 500
- 139 400
- 139 300
- 139 200