University of Minnesota Site Evaluation Form 5/16/2005

ONSITE SEWAGE TREATMENT PROGRAM

Property Owner(s) Russ & Julie Anderson Phone Number 612-269-6649

Address 48738 173rd pl.McGregor,Mn.55760 Design for two 1500 Gallon Holding tanks

P.I.D. 29-1-339900 Section __ Township 49 N Range 23

Date 7/8/2020 Time 10:00 AM Weather conditions windy- sunny & clear

Location Information *(check all that apply)*

x shoreland __ dwelling x replacement system

x Holding Tanks x No room for a treatment area. __ new home construction

Homeowner Information

No. of bedrooms *(if applicable)* 2 bedrooms (includes possible additions)

No. of residents in home 2 adults __ children

Estimated flow 300 gpd

Well casing depth deep feet

Water using devices *(check)*

__ Garbage disposal __ Water softener

__ Dishwasher __ Sump pump

__ Large bathtub __ High eff. furnace

__ Laundry/large tub on 2nd floor __ Jucuzzi/hottub

Discharge location if checked

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: clay

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

Site Summary Data

Standing water: n/a inches

Bedrock: n/a inches

Saturated soil: 8 inches

Maximum depth of system: hold. Tnk. inches

Max elevation at system bottom: ____ feet

Soil sizing factor (SSF): ____ gpd/ft^2

Linear loading rate (LLR): ____ gpd/ft

Was a perc test done ? __ Yes ____ mpi

x 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

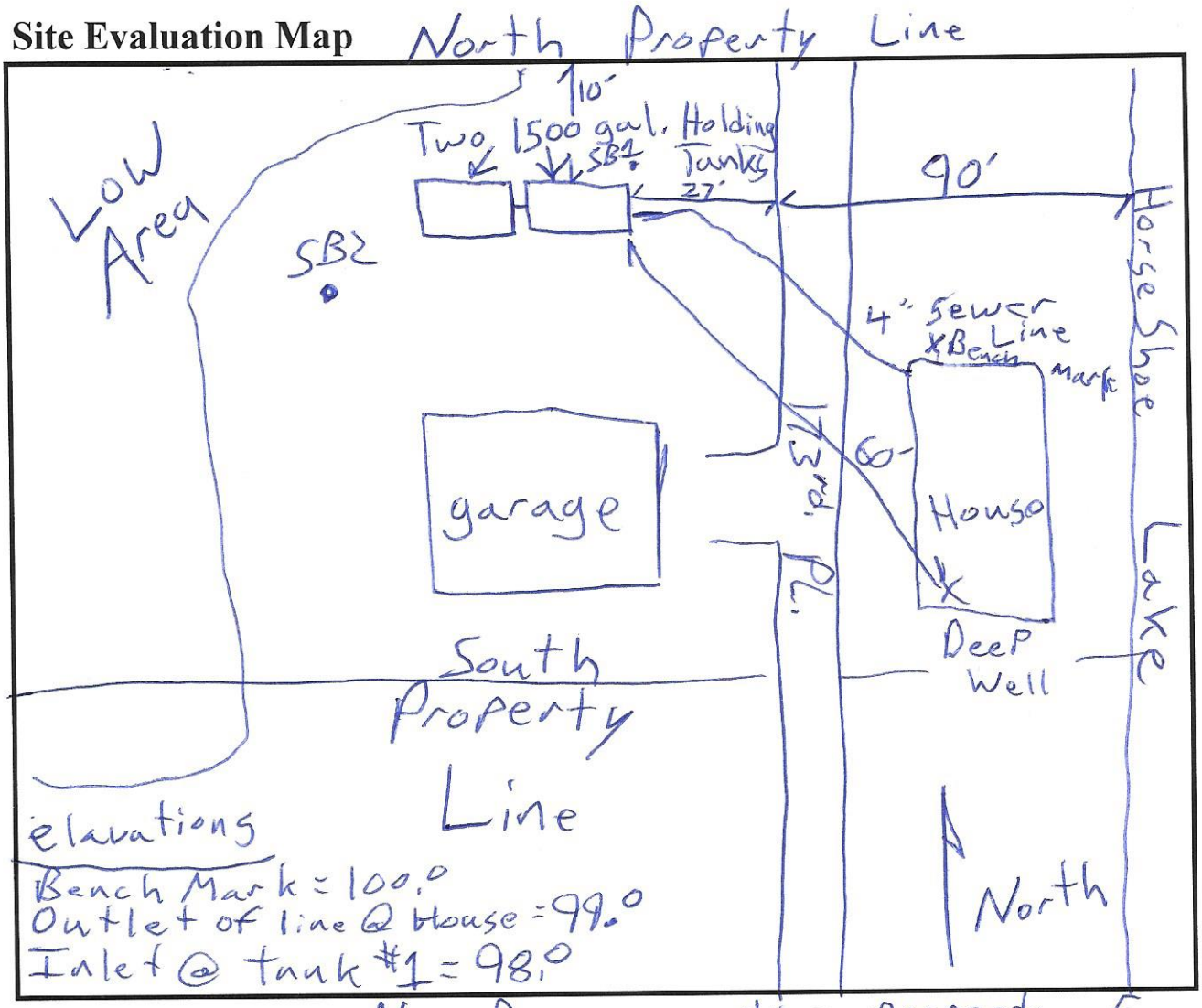
Boring 1 Elevation: Location:

Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence
0-1"	topsoil-sandy loam	10 yr 3/2	s.g.	loose
1-12"	clay	10 yr 4/4		
12-18"	med sand	10 yr 4/6	s.g.	loose
	mottles @ 18"			

Boring 2 Elevation: Location:

Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence
0-6"	top soil-sandy loam	10 yr 3/2	s.g	loose
6-8"	sandy clay loam	10 yr 4/4	s.g	loose
	mottles @ 8"			

Site Evaluation Map



List any construction issues: No Room on the property For a treatmen area.

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.

Jonathan R Jung (signature) 7/8/2020 (date)

L-1919 (license #) 218-839-4737 (phone number)

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): 5/11/2020

☐ **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: 29-1-339900

Property address: 48738 173rd. pl..McGregor,Mn.55760
Reason for inspection: Transfer of Property

Property owner: Russ & Julie Anderson
Owner's phone:

or

Owner's representative: Barbie Martz
Representative phone: 218-426-5100

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

Brief system description: 1250 gallon combo tank that pumps up into a 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: Jarold R. Farley
Certification number: C-4744

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

Inspector signature:
Phone number: 218-839-4737

Necessary or Locally Required Attachments

☒ Soil boring logs ☒ System/As-built drawing ☐ Forms per local ordinance

☐ Other information (list):

Property address: 48738 173rd. pl..McGregor,Mn.55760 Inspector initials/Date: JF | 5/11/2020 *(mm/dd/yyyy)*

1. Impact on Public Health – Compliance component #1 of 5

Compliance criteria:

System discharges sewage to the ground surface.	☐ Yes ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes ☒ 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. *Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.*	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	☐ Yes ☒ No

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

Comments/Explanation:

I did not have the tank pumped.It will have to be pumped and inspected if itbis to be vre-used in a new system.

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: _____ (mm/dd/yyyy) ☒ Unknown

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: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No
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: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	☐ Yes ☒ No
"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) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No

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:

0-1" top soil 10 yr 3/2
1-12" clay 10 yr 4/4
12-18" med. sand 10 yr 4/6
mottles @ 18"

Indicate depths or elevations

A. Bottom of distribution media	100.3
B. Periodically saturated soil/bedrock	98.5
C. System separation	23.5"
D. Required compliance separation*	31.5"

*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: _____ Have the Operating Permit requirements been met?	☐ Yes ☐ No
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*

Jarold FARLEY SEWER SYSTEMS

SEWER DESIGN & INSTALLATION
JAROLD R. FARLEY

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