



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): 8/26/2016

[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:

Property address: 5295 240th St N Forest Lake, MN 55025 Reason for inspection: Sale

Property owner: Dan Bothman Owner's phone:

Owner's representative: Al Hauge Representative phone: 612-270-1229

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6000

Brief system description: Two 1,000 gallon septic tanks, 1,000 gallon lift station, mound dispersal system

Comments or recommendations:

House was unoccupied at time of inspection with no power - could not confirm pump function. There are also several small trees and one larger tree growing on the mound which should be removed.

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: Benjamin Zierke Certification number: 9594

Business name: Zierke Soil Testing License number: 119

Inspector signature: [Signature] Phone number: 651-249-1346

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] System/As-built drawing [] Forms per local ordinance
[X] Other information (list): Pumping Report

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.

- 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)

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.

- 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)

Comments/Explanation:

Tanks pumped 8/23/2016 by Olson's. See attached.

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: 7/11/2994 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	102.2
B. Periodically saturated soil/bedrock	99.0
C. System separation	3.2
D. Required compliance separation*	3.0

*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: _____
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 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.

Logs of Soil Borings

Location of Project: 5295 240th St N Forest Lake, MN 55025

Borings Made by Ben Zierke

Date:

8/24/2016

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

Depth, in Inches	Boring Number 1	Depth, in Inches	Boring Number 2
0-----	-----	0-----	-----
0-10"	10YR 3/3 loamy sand	0-8"	10YR 3/3 loamy sand
10-21"	10YR 4/3 loamy sand, redox below 12"	8-18"	10YR 4/3 loamy sand, redox below 16"

End of boring at 1.8 feet

Standing water table:

Present at _____ feet of depth _____ Hours after boring

Standing water not present in hole

Mottled Soil:

Observed at 1 feet of depth

Mottled soil not present in bore hole

Comments:

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 1.3 feet of depth

Mottled soil not present in bore hole

Comments:

Depth, in Inches	Boring Number 3	Depth, in Inches	Boring Number 4
0-----	-----	0-----	-----

End of boring at _____ 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:

End of boring at _____ 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:



Relative Elevations:
 B1: 100.0, redox 99.0 B2: 99.3, redox 98.0
 Bottom of rock: 102.2
 B1 Separation: 3.2
 B2 Separation: 4.2
 Benchmark: 98.9 (manhole on lift)

1991

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45°17'25.73" N 93°00'05.30" W elev 905 ft eye alt 1248 ft

Google earth

5295 2

Service Order

Service Order #: 79139

Olson's Sewer Service, Inc. 17638 Lyons Street N.E. Forest Lake, MN 55025 651-464-2082

Date: Preferred Time:

Directions: Road Restrictions (Tons)

Addr: 5295 240th Street North

South side of house there is a road that leads to the system.***8-23-2016 BRING 100' OF HOSE TO REFILL LIFT; HOUSE ABANDONED***FORMERLY DAN BOTHMAN'S HOME/DAN'S TOWING

Name: Dan Bothman/ abandoned home C1: (651) 270-1229 Allan Hauge
 City: Forest Lake, MN 55025
 Cty: Washington
 Twp:

Tank Type	Pre-cast	PreT T1 T1C T2 T3 LS					
Treatment Type	Mound System	Sizes:		1000			
Treatment Area	450Sq Ft	Depth to MH:		Grade		1000	
Dist to Tank 1	200 Ft	Riser Feet:		Grade		Grade	
Dist to Lift Tank		LS Outlet to Bottom:					

Water Meter		Power Disconnect at Lift	<input type="checkbox"/>
Effluent Filter		Looped	<input type="checkbox"/>
Two Techs		# Bedrooms	3
City Sewer	N	Pump Breaker	
Install Date	7/11/1994	Baseline Equal Dist Hgt	
Installer	Roger Lindell	1	4
As Built	W1243	2	5
Cleanout		3	6
Lift Pump	1/3hp pump--8 feet of head/140gpc/40 gpm		

	PreT	T1	T1C	T2	T3	LS
Covers Secure:		Y		Y		Y
Infiltration ↑ OL:		N		N		N
Infiltration ↓ OL:		N		N		N
Scum Depth:		6		0		0
Sludge Depth:		14		4		3
Inlet Baffle Intact:		Y		Y		
Outlet Baffle Intact:		Y		Y		
Pump Function:						
Alarm Function:						
Filter Alarm Function:						

Service Type	Last Service Date	Mobilize Time	At Site Time	Complete Time	Disposal Time	Leave Disposal Time
1 Lift Station Maintenance		11:30 AM	12:10 PM	1:45 PM		
2 Maintenance Pumping	8/22/2013					
3 LUG Permit	8/22/2013					
4 Tank Integrity Form						

Time Dosing	<input type="checkbox"/>	Iron Filter	<input type="checkbox"/>	S&E Quality	<input type="checkbox"/>	Eq Dist Hgt 1	
Lint Filter	<input type="checkbox"/>	Sump Pump	<input type="checkbox"/>	PH Reading	<input type="checkbox"/>	2	
Switch Tree	<input type="checkbox"/>	Ejector Pump	<input type="checkbox"/>	Non Dom Wastes	<input type="checkbox"/>	3	
Event Counter	<input type="checkbox"/>	Mgmt Plan	<input type="checkbox"/>	TA Visual Insp	<input type="checkbox"/>	4	
Garbage Disp.	<input type="checkbox"/>	Monitoring	<input type="checkbox"/>			5	
Water Softener	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>			6	

	Readings	Previous	Functioning
Event/Cycle Ctr	<input type="text"/>	<input type="text"/>	<input type="text"/>
Elapsed Time	<input type="text"/>	<input type="text"/>	<input type="text"/>
Time Dosing	<input type="text"/>	<input type="text"/>	<input type="text"/>
Water Meter	<input type="text"/>	<input type="text"/>	<input type="text"/>

Circle one: Metro/Fridley/3rd Harris Shop Tank Total Gal. Pumped

CSR Garden Hose FollowUp Sewage Type Disposed

Reminder Lift Station Last Service Commercial Vehicle Service Person

Amt Billed Payment Type Inv #