



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:

PAID - B2

System Status

System status on date (mm/dd/yyyy): 6/25/2017

[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: 21860 Pomroy Ave N Scandia, MN 55073

Reason for inspection: Sale

Property owner: Dave and Paula Mead

Owner's phone: 612-719-6129

or

Owner's representative:

Representative phone:

Local regulatory authority: Washington County

Regulatory authority phone: 651-430-6000

Brief system description: (2) 1,000 gallon pre cast septic tanks, 1,000 gallon pre cast lift station, mound dispersal system

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: Benjamin Zierke

Certification number: 9594

Business name: Zierke Soil Testing

License number: 119

Inspector signature: Benjamin Zierke

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:
Dave has not had any issues with the system.

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 by Olson's 6/22/2017. 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: 7/18/2003 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	101.8
B. Periodically saturated soil/bedrock	98.9
C. System separation	2.9
D. Required compliance separation*	3.0 (2.55 with allowance)

*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.

Logs of Soil Borings

Location of Project: 21860 Pomroy Ave N Scandia, MN 55073

Borings Made by Ben Zierke

Date:

6/19/2017

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-----	-----
0-6"	Loam fill	0-8"	10YR 3/3 sandy loam
6-14"	10YR 3/3 sandy loam	8-18"	10YR 4/4 silt loam, redox present below 12"
14-24"	10YR 4/4 silt loam, redox present below 16"		

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 1.3 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 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 (in feet)

B1: 100.0, redox 98.7

B2: 99.9, redox 98.9

Bottom of rock: 101.8

B1 Separation: 3.1

B2 Separation: 2.9

Benchmark: 101.4

(cover on lift station)

Height of instrument: 105.8



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Imagery Date: 3/11/2016

45°15'54.83" N 92°47'06.72" W elev. 1012 ft eye alt 1450 ft

Google Earth

1991

Service Order

Service Order #: 82369

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

Date: Preferred Time: Important Note:

Addr: 21860 Pomroy Avenue

Name: David & Paula Mead H: (651) 433-1303
 City: Scandia, MN 55073 C1: (612) 719-6129 David
 Cty: Washington
 Twp: New Scandia

Driving Dir													
Tank Type	Pre-cast	PreT		T1		T1C		T2		T3		LS	
Treatment Type	Mound System	Sizes:		1000		1000		1000		1000			
Treatment Area		Depth to MH:		Grade		Grade		Grade		Grade			
<input type="text" value="1"/>	150 Ft	Riser Feet:											
Dist to Lift Tank		LS Outlet to Bottom:											

Water Meter	<input type="text"/>	Power Disconnect at Lift	<input type="text" value="Y"/>										
Effluent Filter	<input type="text"/>	Looped	<input type="text" value="Y"/>										
Two Techs	<input type="text" value="N"/>	# Bedrooms	<input type="text"/>										
City Sewer	<input type="text" value="N"/>	Pump Breaker	<input type="text"/>										
Install Date	7/18/2003	Baseline Equal Dist Hgt											
Installer	Mitch Perry	1	4										
As Built	W1474	2	5										
Cleanout		3	6										
Lift Pump	1/3 hp pump												
				PreT T1 T1C T2 T3 LS									
				Covers Secure:	<input type="text" value="Y"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>
				Infiltration ↑ OL:	<input type="text" value="N"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="N"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="N"/>	<input type="text"/>
				Infiltration ↓ OL:	<input type="text" value="N"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="N"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="N"/>	<input type="text"/>
				Scum Depth:	<input type="text" value="2"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>
				Sludge Depth:	<input type="text" value="16"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="8"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>	<input type="text"/>
				Inlet Baffle Intact:	<input type="text" value="Y"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>
				Outlet Baffle Intact:	<input type="text" value="Y"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>
				Pump Function:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>
				Alarm Function:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Y"/>	<input type="text"/>
				Filter Alarm Function:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Service Type	Last Service Date	Mobilize Time	At Site Time	Complete Time	Disposal Time	Leave Disposal Time
1 Lift Station Maintenance	9/29/2015	7:45 AM	8:15 AM	9:30 AM		
2 Maintenance Pumping	9/29/2015					
3 LUG Permit	9/29/2015					

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

Dump Site	Gal Pumped	CSR	NS	Reminder	6/22/2020
Metro	2208	Garden Hose	<input type="text" value="Y"/>	Lift Station Last Service	9/29/2015
Total:	2208	FollowUp	<input type="text"/>	Vehicle	15
		Sewage Type Disposed	<input checked="" type="checkbox"/> Septage <input type="checkbox"/> Tank <input type="checkbox"/> Commercial	Service Person	JH
		Amt Billed	<input type="text"/>	Payment Type	send information to B
				Inv #	

Service Order Comments: Ben Zierke is doing this for a sale of the home manholes are at grade garden hose will be available for us- David may be home this morning and is expecting us but if he has to leave we can call him with any questions on his cell NS did quote \$450.00 plus \$17.00 for the permit

Site Comments: This is one of Nancy's Sisters, work number is David's Cell cell number is for Paula's cell

Post Comments: Will need to do repairs before the compliance can get done. Needs 24 screws put in lid, alarm float is disconnected and the pump line broke off per JH) Sent DG to complete repairs; this was done.