



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): 12/30/2015

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: 20630 Keewahtin Ave N Forest Lake, MN 55025 Reason for inspection: Sale

Property owner: Karen Wong Owner's phone: 612-868-2230

or

Owner's representative: _____ Representative phone: _____

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description: Two septic tanks, a tank with a pump, drop box distribution drainfield

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: Phone number: 651-462-2294

Necessary or Locally Required Attachments

Soil boring logs 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:

Tanks pumped and OK by Olson's Sewer 9/26/2014.

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: _____ 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	98.2
B. Periodically saturated soil/bedrock	94.8
C. System separation	3.4+
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: 20630 Keewahtin Ave N Forest Lake 55025

Borings Made by Ben Zierke

Date: 12/21/2015

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"	7.5YR 3/3 loamy sand		
6-62"	7.5YR 4/4 loamy sand, banding starting at 42" and gradually thickening.		

End of boring at 5.2 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:

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:

4/2012

Relative Elevations

B1: 100.0, redox 94.8+

Bottom of rock: 98.2

B1 Separation: 3.4+

Benchmark: 100.9
(top of inspection cap on the last downhill trench)

Septic
Septic
Lift

Drainfield
BM
B1

1991

Imagery Date: 4/3/2012 45°14'52.35" N 92°54'08.13" W elev 987 ft eye alt 1222 ft

Google earth

Service Order

Service Order #: 72378

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

Date: 9/26/2014 **Preferred Time:** 10:00 AM 2:00 PM **Directions:** **Road Restrictions (Tons)**

Addr: 20630 Keewahtin Avenue

Work number is Karen's direct number.

Name: Karen Wong **H:** (612) 868-2230
City: Forest Lake, MN 55025 **C1:** (612) 868-2230
Cty: Washington
Twp:

Tank Type	Pre-cast					
Treatment Type	Dropbox Distribution	PreT	T1	T1C	T2	T3
Treatment Area		SIZES:	1250	1250	1250	1250
Dist to Tank 1	100 Ft	DEPTHS:	8"	6"	6"	Grade O
Dist to Lift Tank		Depth to Inlet:				
		Depth to Outlet:				
		Liquid Depth:				
Water Meter		Power Disconnect at Lift			PreT	T1
Effluent Filter		Looped			T1C	T2
Two Techs		# Bedrooms			T3	LS
City Sewer	N	Pump Breaker			Covers Secure:	Y
Install Date	11/9/1994	Baseline Equal Dist Hgt			Infiltration:	N
Installer	DC General	1	4		Scum Depth:	2
As Built	Pg. W. 760	2	5		Sludge Depth:	10
Cleanout		3	6		Inlet Baffle Intact:	Y
Lift Pump					Outlet Baffle Intact:	Y
					Pump Function:	Y
					Alarm Function:	Y
					Filter Alarm Function:	Y

Service Type	Last Service Date	Mobilize Time	At Site Time	Complete Time	Disposal Time	Leave Disposal Time
1 Maintenance Pumping	5/10/2006	11:45 AM	12:00 PM	1:30 PM		
2 Lift Station Maintenance						
3 LUG Permit						

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

Dump Site	Gal Pumped	CSR LW	Reminder 9/17/2017
Harris	3000	Garden Hose	Lift Station Last Service
Total:	3000	FollowUp	Commercial Vehicle
		Sewage Type Disposed <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	98
		Septage Tank	BD
		Service Person	80790
		Amt Billed 566.00	Inv #
		Payment Type Inv. 9/29	

Service Order Comments: Call about one half hour out; has been serviced since 2006; please check lift station-if does not need to be done, then charge \$450; if al three tanks then \$520; plus the \$16 permit. Will be dug open;

Site Comments: Tank #2 has 12" riser on inlet

Post Comments: As-built emailed to Karen 9/15/14 LW rescheduled from 9/17 when we could not find MH and Karen could not be home; LW left message on Karen's Vmail to call and confirm if this date and time would work. When Brian was here on 9-17 hit a mid contennent cable line for her computer & phone and has them coming out to repair-she will keep us posted.