



**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.

For local tracking purposes:

**Submit completed form to Local Unit of Government (LUG) and system owner within 15 days**

### System Status

System status on date (mm/dd/yyyy): 6/17/2019

**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: 2403221120029

Property address: 20801 KEEWAHTIN AVE N, CITY OF FOREST LAKE

Reason for inspection: PROPERTY TRANSFER

Property owner: ESCOBEDO XAVIER

Owner's phone: \_\_\_\_\_

or

Owner's representative: \_\_\_\_\_

Representative phone: \_\_\_\_\_

Local regulatory authority: WASHINGTON COUNTY

Regulatory authority phone: \_\_\_\_\_

Brief system description: 1250-GALLON SEPTIC TANK AND 300 SQ FT GRAVITY 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: RYAN LASHINSKI

Certification number: 3053

Business name: LASHINSKI SEPTIC SERVICE

License number: L65

Inspector signature: *[Signature]*

Phone number: 763-434-3915

### 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:**

PONDING PRESENT IN THE FIRST TRENCH. NO EXCESS PONDING OBSERVED IN THE SECOND TRENCH - OLDER DRAINFIELD INSTALLED IN 1992

**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:**

**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: 7/21/1992  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:**

PREVIOUS SOIL VERIFICATION ATTACHED.

**Indicate depths or elevations**

A. Bottom of distribution media	38"
B. Periodically saturated soil/bedrock	<66"
C. System separation	>28"
D. Required compliance separation*	24"

\*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.



## Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

Address 20801 Keewatin Avenue

Boring #1 Elevation:	Boring #2 Elevation	Elevation: "
See attached.	dry.	

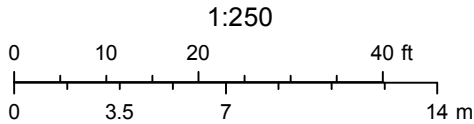
**Sketch:**

**Comments:** Benchmark = Top of septic tank. Assumed elevation = 100'0". Previous soil verifications (attached) indicated no redoximorphic mottling to a depth of 72". The system does meet the required 36" vertical separation (31" with the allowable 15% reduction) distance from seasonally saturated soils. The tanks were pumped at the time of this inspection and found to be in good condition. The baffles were checked and are o.k. The system consists of a 1250-gallon septic tank and 300 sq. ft. of gravity drainfield trenches. The drainfield is undersized by current code. Probe samples taken in the rockbed indicated ponding present in the first trench, little or no ponding was observed in the second trench. This inspection is not a warranty or guarantee, either written or implied, of future or long-term hydraulic functionality/performance, but rather a determination if the systems use is/may cause pollution and/or adverse harm to the environment, groundwater or public health and safety at the time of this inspection. Buyers should be aware of the age of this system as it is likely approaching its expected life and access to the back yard is limited for future upgrade/repairs. No guarantee can be made on future hydraulic performance, or the performance of system components. Changes in use can cause any system, failing or compliant, to become hydraulically overloaded and ultimately fail. Owner/buyer assumes full responsibility for the long-term performance of this system as well as any future upgrade, repairs or replacement costs. Liability is limited to the cost of this inspection.

# Washington County, MN



June 19, 2019



**4. Soil Separation – Compliance component #4 of 5**

Date of installation: 7/31/1989  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	97'10"
B. Periodically saturated soil/bedrock	none observed @ 94'7"
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: \_\_\_\_\_  
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.

# LOG OF SOIL BORINGS

BORING NO. 1		BORING NO. 2		BORING NO. 3		BORING NO. 4	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	DKK. BRN. FINE LOAMY SAND	0	DKK. BRN. FINE LOAMY SAND	0	DKK. BRN. FINE LOAMY SAND	0	DKK. BRN. FINE LOAMY SAND
3"		5"		4"		7"	
	LT. BRN. FINE LOAMY SAND		LT. BRN. FINE LOAMY SAND & ROCKS		LT. BRN. FINE LOAMY SAND & ROCKS		LT. BRN. FINE LOAMY SAND & ROCKS
13"		18"		18"		20"	
	LT. BRN. FINE-MED. SAND & ROCKS		LT. MED. TAN FINE-MED. SAND & ROCKS		LT. REDDISH TAN FINE-MED. SAND & ROCKS		REDDISH-BRN. FINE-MED. SAND & ROCKS
24"							
	REDDISH-BRN. FINE-MED. SAND & ROCKS						
30"		30"					
	REDDISH-BRN. MED. COARSE SAND & ROCKS		LT. TAN FINE-MED. SAND & ROCKS				
42"		40"				44"	
	LT. TAN MED. SAND & ROCKS		LT. TAN MED. SAND & ROCKS				LT. TAN FINE-MED. SAND & ROCKS
				60"			
					LT. TAN FINE-MED. SAND & ROCKS		
						6:0"	
							OBSTRUCTION
7:0"		7:0"		7:0"			6:0"
	END 1		END 2		END 3		

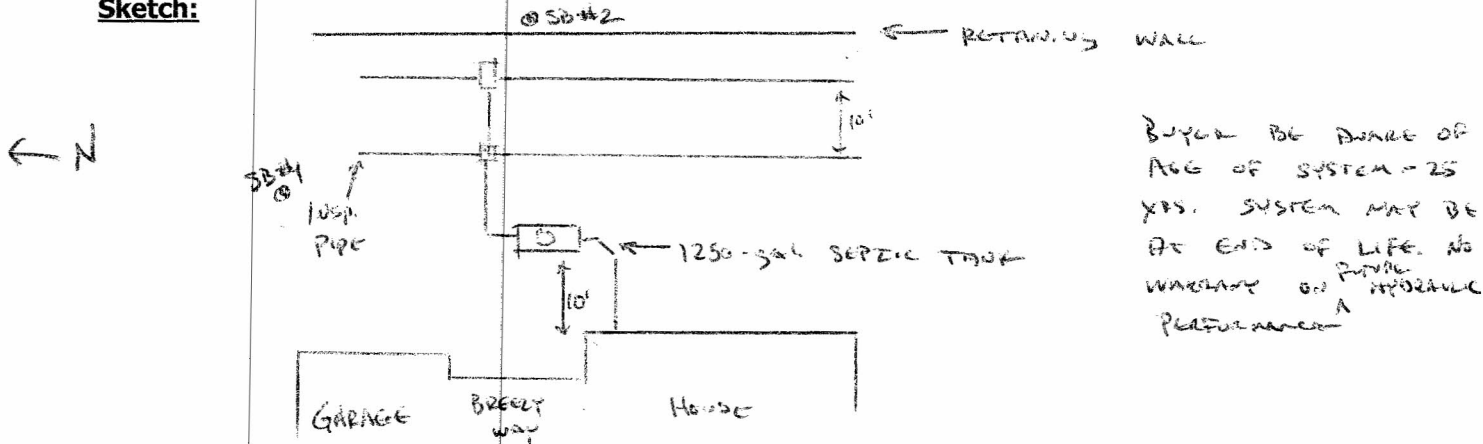


# Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

**Address** 20801 Keewatin Avenue, Forest Lake

Boring #1 Elevation: 102'4"		Boring #2 Elevation 99'7"		Boring #3 Elevation:
0-30	Filled soils, colors mixed. Soil wet.	0-30	Filled soils, colors mixed. Soil wet.	
-38	10YR 4/4 dark yellowish brown coarse sandy loam.	-38	10YR 4/4 dark yellowish brown coarse sandy loam.	
-76	10YR 5/4, 5/6 yellowish brown coarse sandy loam and rocks. Soil moist, no redoximorphic mottling observed.	-66	10YR 5/4, 5/6 yellowish brown coarse sandy loam and rocks. Soil moist, no redoximorphic mottling observed.	

**Sketch:**



**Comments:** Benchmark = liquid level in septic tank. Assumed elevation = 100'0". Soil borings #1 and #2 indicated the drainfield is sitting in filled soils. The soil was rather wet at the time of the borings, however no sign of redoximorphic mottling was observed at a depth of 36" beneath the rockbed of the drainfield. The system does meet the required three foot vertical separation from seasonally saturated soils. The system consists of a 1250-gallon septic tank and gravity drainfield. The tank is due to be pumped and must be done prior to closing by a state-licensed maintainer. Borings taken over the rockbed of the drainfield showed no signs of moisture above the drainfield or evidence of excess ponding, however ponding was observed in the first drainfield trench. The ponding in the first trench was the same elevation of liquid level in the septic tank, therefore indicating the trench is being used at or near maximum capacity. This inspection is not a warranty or guarantee, either written or implied, of future or long-term hydraulic functionality/performance, but rather a determination if the systems use is/may cause pollution and/or adverse harm to the environment, groundwater or public health and safety at the time of this inspection. Changes in use can cause any system to become hydraulically overloaded and ultimately fail. Buyer should be aware of the age of this system as it is likely at or near the end of its design life. Access to the back yard is limited should the system need to be replaced. Buyer assumes full responsibility for the long-term performance and/or future replacement cost associated with this system. Liability is limited to the cost of this inspection.