



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): 3/23/2016

[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: 2702720430006

Property address: 10789 Cedar Heights Tr., Hastings, MN Reason for inspection: Property Sale

Property owner: Jim Poepl Owner's phone:

or

Owner's representative: Representative phone:

Local regulatory authority: Regulatory authority phone:

Brief system description: Pre-cast septic tank - Pre-cast Lift tank - Gravity Mound

Comments or recommendations:

Continue to pump septic tank on a regular basis for maintenance. Manage water use in the home.

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: Chris Bosshart Certification number: C2487

Business name: Environmental Design Group, Inc License number: L1955

Inspector signature: [Signature] Phone number: 651-341-6938

Necessary or Locally Required Attachments

- [X] 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 showed no evidence of cracks or leaking.

**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:  Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	<input type="checkbox"/> Yes <input type="checkbox"/> 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.*	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.	<input type="checkbox"/> Yes <input type="checkbox"/> No

**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:**

See attached soil boring logs from 2010 and 2004.

**Indicate depths or elevations**

A. Bottom of distribution media	
B. Periodically saturated soil/bedrock	
C. System separation	
D. Required compliance separation*	

\*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

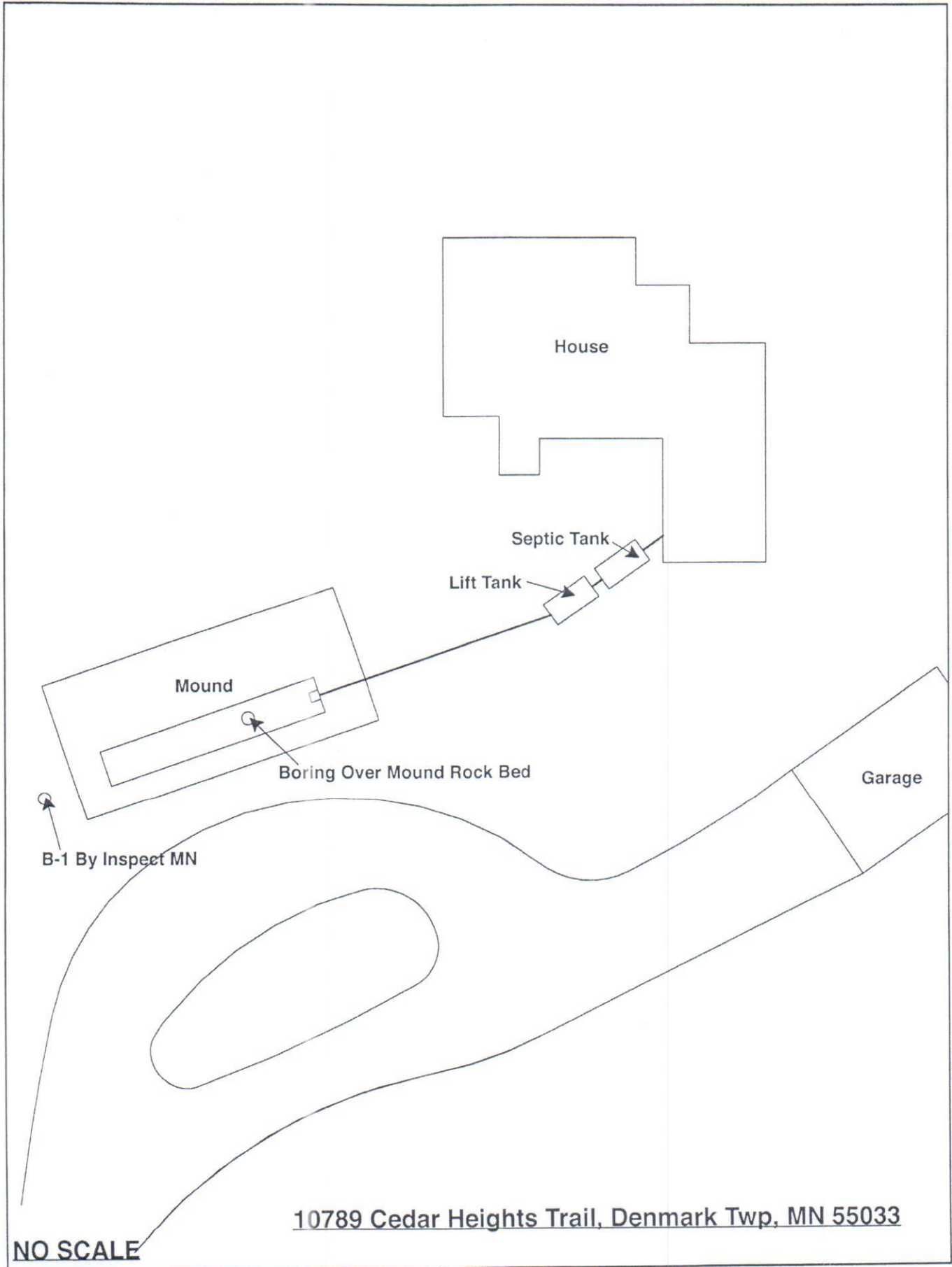
**If the answer to both questions is "no", this section does not need to be completed.**

**Compliance criteria**

a. Operating Permit number: _____ Have the Operating Permit requirements been met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the required nitrogen BMP in place and properly functioning?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.



10789 Cedar Heights Trail, Denmark Twp, MN 55033

NO SCALE

## Log Of Soil Borings

Location of Project:		10789 Cedar Heights Trail, Denmark Twp, MN 55033	
Borings Made By:		Inspect Minnesota	Date: 11/22/10
Auger Used:		P.H.D.	Classification System: USDA
Boring Number:		1	Boring Number:
Surface Elevation of Boring	44" Below top of mound on original contour		Surface Elevation of Boring
Depth In Inches	<u>Soils Encountered</u>		Depth In Inches
0-18 18-26	10YR 2/2 Silt Loam 10YR 2/2 Silt Loam With Fractured Bedrock <50% Refusal At 26" Bedrock		
26"	Depth To End Of Boring Or Bedrock		Depth To End Of Boring Or Mottled Soils
+44	Elevation Of Boring Below Top Of Mound		Elevation Of Boring Relative To System
-27"	Depth To Bottom Of System		Depth To Bottom Of System
=43"	Of Separation		Of Separation
End Of Boring At:		26"	End Of Boring At:
Bedrock Present At:		26"	Mottled Soil Present At:
Standing Water Present At:		None	Standing Water Present At:

Bottom Of Distribution Medium At: 27 Inches

Logs of Soil Borings

B-31

Location or Project \_\_\_\_\_

Borings made by J. GILL Date 11/20/04

Classification System: AASHTO \_\_\_\_\_; USDA-SCS X; Unified \_\_\_\_\_; other \_\_\_\_\_

Auger used (check two): Hand \_\_\_\_\_, or Power \_\_\_\_\_; Flight \_\_\_\_\_, or Bucket \_\_\_\_\_; other \_\_\_\_\_

Depth, in feet	Boring number <u>B-1</u> Surface elevation _____	Depth, in feet	Boring number _____ Surface elevation _____
0	<u>51" below top of mound</u>	0	
1	<u>0-20 10YR 3/2</u> <u>LOAm (topsoil)</u>	1	
2	<u>20-24" 10YR 3/3</u> <u>LOAm</u>	2	
3		3	
4	<u>Refusal @ 24"</u> <u>Bedrock</u>	4	
5		5	
6	<u>51"</u> <u>24" - ROCK THICKNESS</u> <u>27"</u>	6	
7	<u>+ 24 Refusal</u>	7	
8	<u>51" of separation</u>	8	

End of boring at 2.0 feet.  
 Standing water table: NO  
 Present at \_\_\_\_\_ feet of depth,  
 \_\_\_\_\_ hours after boring.  
 Not present in boring hole X.  
 Mottled soil: NO  
 Observed at \_\_\_\_\_ feet of depth.  
 Not present in boring hole X.  
 Observations and comments:

End of boring at \_\_\_\_\_ feet.  
 Standing water table:  
 Present at \_\_\_\_\_ feet of depth,  
 \_\_\_\_\_ hours after boring.  
 Not present in boring hole \_\_\_\_\_.  
 Mottled soil:  
 Observed at \_\_\_\_\_ feet of depth.  
 Not present in boring hole \_\_\_\_\_.  
 Observations and comments:

TOP OF DISTRIBUTION MEDIUM AT: \_\_\_\_\_ INCHES  
 BOTTOM OF DISTRIBUTION MEDIUM AT: 24 INCHES

REMARKS: \_\_\_\_\_  
 WERE SOIL SAMPLES SPRAYED? YES \_\_\_\_\_ NO X