



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): 5/26/2019

[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: 2102921120003

Property address: 8643 Stillwater Blvd N Lake Elmo, Mn 55042 Reason for inspection: Property Transfer

Property owner: Peter Hendrickson Owner's phone: 651-717-8804

Owner's representative: Representative phone:

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

Brief system description: 1 Precast tank and 1 Lift tank to 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: Dave Brown Certification number: C9370

Business name: David R Brown License number: L3649

Inspector signature: [Signature] Phone number: 651-788-3296

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] 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:

Never been a problem.

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: _____ 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 checked="" 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:

Indicate depths or elevations

A. Bottom of distribution media	33"
B. Periodically saturated soil/bedrock	72"
C. System separation	39"
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

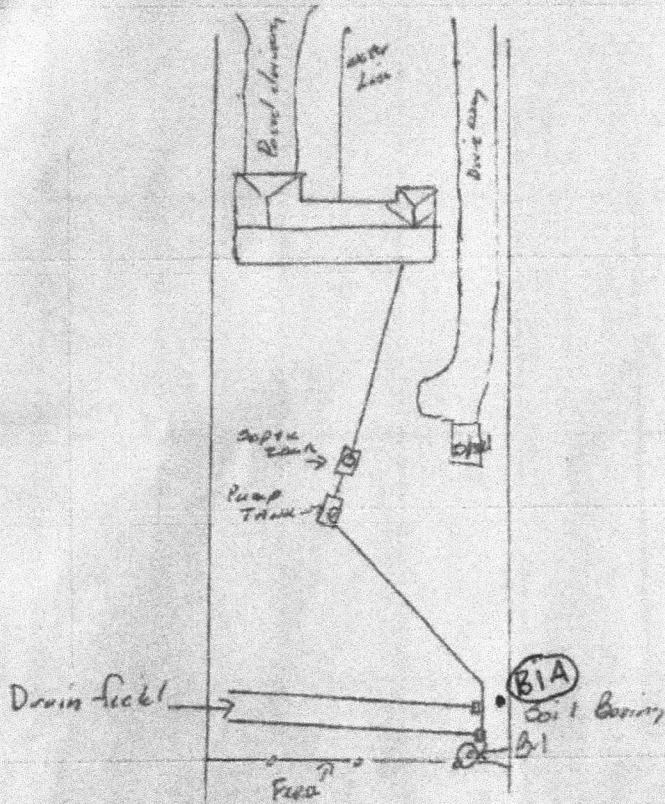
a. Operating Permit number: _____ Have the Operating Permit requirements been met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the required nitrogen BMP in place and properly functioning?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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.

8443 Stillwater Blvd. Lake Elmo 06-02-07

N ↑



SOIL BORING LOG
BIA

0"-10" = 10YR2/2 SANDY LOAM

10"-36" = 5YR5/3 SANDY LOAM
w/ GRAVEL

36"-72" = 5YR4/3 SANDY LOAM
SOME CLAY AND
GRAVEL

Job: 8643 Stillwater Blvd. Lake Elmo
 Date: 06-02-87

LOG OF SOIL BORINGS

Depth in Feet	B1	B2	B3	B4
1	Black Sandy loam Topsoil	9		
2	medium to Red brown sandy loam & much Rock			
3	Syr 5/3			
4	Red brown	40		
5	sandy clay loam much gravel			
6	Syr 4/3	72		
7				

1/29/02

Water/Wastewater-IST54.31



Compliance Inspection Form for Existing Individual Sewage Treatment Systems

Minnesota Pollution Control Agency

Completion of this form fulfills the minimal requirements of Minn. Stat. § 115.55 (2001) and Minnesota R. ch. 7080 (1999). Please refer to local ordinances for other requirements or information, especially for compliance requirements for bedroom additions.

General

Date of Inspection: 06-02-07 Reason for inspection: Property Transfer
 Property Owner(s) Dan & Rita Ausen Telephone (w.) 457-4057
 Person requesting inspection Colleen Howard Telephone (w.) 320-4917
 Site Address 8643 Stillwater Blvd. City Lake Elmo Zip Code 5712
 Fire No./ Parcel No. 210292112003 County Washington Township _____
 Legal Description _____
 Local Regulatory Authority City of Lake Elmo
 Date system constructed 1990 System in Shoreland Area: yes System in Wellhead Protection Area: yes
 System serving a MDH licensed facility: yes Local Permit # (if any) None

<input checked="" type="checkbox"/> Systems built prior to April 1, 1996 and not located in Shoreland or Wellhead Protection Area or Serving a Food, Beverage or Lodging Establishment	Systems located in Shoreland or Wellhead Protection Areas or Serving a Food, Beverage or Lodging Establishment, or systems Built after March 31, 1996
Is the system an imminent threat to public health or safety? (a yes answer is an ITPHS system) - Discharge of sewage to the ground surface? YES <input checked="" type="checkbox"/> NO - Discharge of sewage to drain tile or surface waters? YES <input checked="" type="checkbox"/> NO - Sewage backup into dwelling? YES <input checked="" type="checkbox"/> NO - Situation with the potential to immediately and adversely impact or threaten public health or safety? YES <input checked="" type="checkbox"/> NO	Is the system an imminent threat to public health or safety? (a yes answer is an ITPHS system) - Discharge of sewage to the ground surface? YES NO - Discharge of sewage to drain tile or surface waters? YES NO - Sewage backup into dwelling? YES NO - Situation with the potential to immediately and adversely impact or threaten public health or safety? YES NO
Is the system failing? (a yes answer is a failing system) - Less than TWO feet of vertical separation between system bottom and saturated soil or bedrock? YES <input checked="" type="checkbox"/> NO - A seepage pit, cesspool, drywell, or leaching pit? YES <input checked="" type="checkbox"/> NO	Is the system failing? (a yes answer is a failing system) - Less than THREE feet of vertical separation between system bottom and saturated soil or bedrock? YES NO - A seepage pit, cesspool, drywell, or leaching pit? YES NO
Is the system non-compliant? - Is the system regulated under a monitoring plan or operating permit? (if no, go to page 2) YES <input checked="" type="checkbox"/> NO If yes, - Has the required monitoring taken place? YES NO (if no, the system is non-complying) - The monitoring indicate that the system meets performance expectations? YES NO (if no, the system is non-complying)	Is the system non-compliant? - Is the system regulated under a monitoring plan or operating permit? (if no, go to page 2) YES NO If yes, - Has the required monitoring taken place? YES NO (if no, the system is non-complying) - The monitoring indicate that the system meets performance expectations? YES NO (if no, the system is non-complying)

Property Owner(s) Russell Fire No./ Parcel No. 2102921120003

System Components (Please describe the system components):

1) Cost center to system tank, 1) Cost center to pump tank, 2) Down field laterals
(Tanks are installed very deep - 14' to floor of pump tank. Suggest owner be
successful per state code.) No as built for this system at Lake Elm office.

What methods were used to make the determinations for the compliance inspection? (Note: No standard protocol exists. The following list is not exhaustive, not in sequential order nor indicates which combinations are necessary to make a determination)

Watertight tank(s)

- Probed tank bottom
- Observed low liquid level
- Examined const. records
- Examined empty (pumped) tank
- Probed outside tank for "black soil"
- Pressure/vacuum check
- Other _____

Hydraulic Functionion

- Searched for surface outlet
- Performed hydraulic test
- Searched for seeping in yard
- Checked for back-up in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony
- Examined for surging in tank
- "Black soil" above soil system
- Other _____

Vertical Separation Distance

- Conducted soil borings
 - Depth to limiting layer 76'
 - Depth to system bottom 83'
- Examined records
- LGU Limiting Layer Verification
- Other _____

Status of the system

Based on the compliance criteria, the system status is: (check one) failing (to protect groundwater) an imminent threat to public health or safety (ITPHS), non-compliant (monitoring issue), compliant (non-of the 3 previous conditions). Is this system a EPA Class V Injection Well? yes no

Therefore, this document is a: Certificate of Compliance Notice of Noncompliance

Certification

I hereby certify as a state of Minnesota licensed Inspector and/or Designer I or Qualified Employee Inspector and/or Qualified Employee Designer I that I conducted an investigation that accurately determined the compliance status of this system and that my recorded observations are accurate as of this date. No determination of future hydraulic performance has been nor can be made due to unknown conditions during system construction, abuse of the system, inadequate maintenance, or future water usage.

Inspector's name (print) Barry Brown Phone 651-735-7321
License and/or Registration Number 1772 Address 3041 Woodlane Dr Woodbury 55125
Employed by Brown's Soil Testing Address _____ Date _____
Signature Barry Brown

Upgrade Requirements (derived from Minnesota Statutes § 115.55)

An 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 fails to provide sufficient groundwater protection, then the system must be upgraded, replaced, or its use discontinued within the time required by rule or the 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 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.

Suggested Attachments

- 1) Site sketch which includes the system location (mandatory). Other items could include: well, well setback to system, dwelling or other buildings, tank(s), reserved soil treatment area, surface water and soil boring locations. Include as-built drawing if available.
- 2) Soil boring logs, showing each horizon. Indicate the texture, color, redoximorphic features depth to bedrock, standing water and whether the material is fill.
- 3) A list of any and all requirements of the local ordinance that are different from the state requirements referred to on this form.
- 4) A homeowner survey of system performance, signed by the homeowner as being factual.
- 5) Monitoring data as appropriate.