



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

Instructions: 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): 12/10/2017

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: Listed on site map

Property address: Tall Timbers Plat Reason for inspection: Property Transfer

Property owner: Tall Timbers Homeowners Association Owner's phone: _____
or

Owner's representative: Gary Weisinger Representative phone: _____

Local regulatory authority: City of North Branch Regulatory authority phone: 651-253-2969

Brief system description: Community Drainfield Systems-Mound

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: Jeffrey Fertig Certification number: 2942

Business name: Sunrise Septic Services License number: 2299

Inspector signature: [Signature] Phone number: 651-253-2969

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 discharge sewage to the ground surface.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharge sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System cause 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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

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 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: 6/1/2002 Unknown
 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

Any "no" answer above indicates the system is Failing to Protect Groundwater.

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:

Boring logs on file at the city of North Branch

Indicate depths of elevations

A. Bottom of distribution media	24" above grade
B. Periodically saturated soil/bedrock	>12 inches below grade
C. System separation	36"
D. Required compliance separation*	30.8 inches

*May be reduced up to 15 percent if allowed by Local Ordinance.

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.



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System Status

System status on date (mm/dd/yyyy): 12/10/2017

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: Listed on site map

Property address: Tall Timbers Plat Reason for inspection: Property Transfer

Property owner: Tall Timbers Homeowners Association Owner's phone: _____

Owner's representative: Gary Weisinger Representative phone: _____

Local regulatory authority: City of North Branch Regulatory authority phone: 651-253-2969

Brief system description: Community Drainfield Systems - Trench

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: Jeffrey Fertig Certification number: 2942

Business name: Suprise Septic Services License number: 2299

Inspector signature: [Signature] Phone number: 651-253-2969

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 discharge sewage to the ground surface.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharge sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System cause 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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

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)

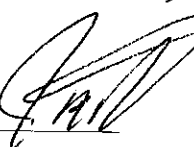
3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to 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: 6/1/2002 Unknown
 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.

Any “no” answer above indicates the system is Failing to Protect Groundwater.

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:

Boring logs on file at the city of North Branch

Indicate depths of elevations

A. Bottom of distribution media	32 inches below grade
B. Periodically saturated soil/bedrock	66" or greater
C. System separation	36"
D. Required compliance separation*	30.8 inches

*May be reduced up to 15 percent if allowed by Local Ordinance.

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.

SUNRISE SEPTIC SERVICES, INC.

Jeffrey Fertig
Licensed and Bonded, PCA Certified #2942
12180 Saint Croix Trail, North Branch, MN 55056
(651) 253-2969

ON-SITE SEPTIC SYSTEM CONDITION REPORT

DATE: December 10, 2017
CLIENT: Tall Timbers Homeowners Association
c/o Gary Weisinger

REPORT SUMMARY:

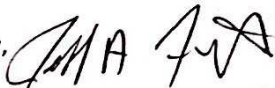
At the request of the Tall Timbers Homeowners Association, I have performed MPCA Compliance and ongoing maintenance inspection of these septic systems. It is my opinion that these onsite sewage treatment systems are compliant. The Tall Timbers Homeowners Association has 45 homes which are served by 21 separate trench systems or mounds. The typical house has a 1500-gallon solid septic tank and a 1000-gallon lift station depending on where it is situated and a few houses just have one tank that gravity flows to community lift stations. The average drainfield is 14 inches below grade and is 18 inches in depth putting the average depth to mottled soil at greater than 68 inches below grade. Based on my inspection of the systems and a review of the records on file it is my opinion that these systems presently meet MPCA minimum compliance inspection requirements. In addition, all the separate systems appear to working properly. Hassle Free Septic pumped the septic tanks, all of which appeared to be watertight, all baffles in place and functioning properly. Additionally, the stilling or settling tanks in line before the drain fields have an average of 3 inches of sediment in the bottoms, as such do not need to be pumped at this time. However, given the age of the systems the HOA should get the stilling tanks into a pumping rotation.

Some maintenance notes in general:

- The drainfields and the mounds need to be mowed annually. Because of the presence of water flow within the drainfields, tall grass and brush tend to grow rapidly.
- It should be noted that all traffic on the drainfields should be kept to a minimum including atv traffic.
- Rodent control is extremely important around and amongst the trench systems.
- Each individual house should have its septic tank pumped every three years.
- Mr. Weisinger has put together a good list of observations including septic system dos and don'ts. Please review this list for system specific notes.

Minimum compliance inspection requirements include only verification that the septic systems have water tight septic tanks, the required drain field separation to saturated soils, no backup of sewage into the dwellings and no discharge of sewage/effluent onto the ground surface or surface water (lakes, streams, etc.). Sewage back up verification is limited to observing the floor drain areas and/or the information supplied by the occupants of the dwellings at the time of inspection. Sunrise Septic Services cannot guarantee that the information given to us relative to possible system failures is accurate. Certification of this system does not warranty future use beyond the date of the inspection. This compliance and ongoing maintenance report is valid for three calendar years from the date of this report. Please contact me if you have any questions.

Sincerely,



Jeffrey A. Fertig
Sunrise Septic Services, Inc.

Sunrise Septic Services DISCLAIMER SHEET
Relative to Septic System Compliance Inspections:

1. This inspection/report is being performed for only the seller/owner or of the property on which the septic system is located; there is no contract between Sunrise Septic Services, Inc. and any other party except the seller/owner unless otherwise noted. In such case that the buyer of the property is paying for the inspection, the contract is between only the buyer of the property and Sunrise Septic Services, Inc., there is no contract with any other party unless otherwise noted. **Liability to Sunrise Septic Services Inc. is limited to the cost of this inspection.**
2. Sunrise Septic Services, Inc. has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period of time beyond the date of inspection or the future. Because of the numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system, as well as the inability of Sunrise Septic Services, Inc. to supervise or monitor the use or maintenance of the system, the report shall not be construed as a warranty by Sunrise Septic Services, Inc. that the system will function properly for any particular person for any period of time.
3. Minimum Compliance Inspection requirements relative to this inspection and this report include only verification that the septic system has a water tight septic tank(s) and lift tank, the required separation from the bottom of the drainfield/mound distribution medium and saturated soils, no back-ups of sewage into the dwelling, and no discharge of sewage/effluent onto the ground surface or surface water (lakes, streams, etc.) Sunrise Septic Services, Inc. does not inspect basement ejector pumps or exterior lift tank pumps as they are considered to be a "maintenance item". Sewage backup verification is limited to observing the floor drain area and/or the information supplied by the last occupants of the dwelling prior to inspection Sunrise Septic Services, Inc. cannot guarantee that the information given to them by the last occupants of the dwelling prior to inspection relative to backups or failure is accurate. Some persons may attempt to hide or conceal signs of previous back-ups.
4. Certification of this system does not warranty future use beyond the date of the inspection. Any system, old or new, can be hydraulically overloaded as a result of more people moving into the house than were previously occupying the house, improper maintenance and/or heavy usage, tree roots, freezing conditions, surface drainage problems, or the system can simply stop working because of its age. The average life expectancy of a properly maintained septic system is twenty five years.
5. A Compliance Inspection is not meant to be a test or inspection for longevity of the septic system, a Compliance Inspection is strictly for the purpose of determining if the septic system is polluting the environment at the date and time the inspection is performed. This inspection is not intended to determine if the septic system was originally designed or installed to past or present MPCA or Local Unit of Government code requirements.
6. **WINTER WORK:** Client (person paying for inspection) understands that inspections conducted during winter weather (approximately November 1st through April 1st) are more difficult to perform because of the possible snow cover and ground frost. Septic system components such as tanks, tank covers, drop boxes, drop box covers and soil treatment areas are more difficult to locate because of snow cover and ground frost. Soil borings and locating drainfields are more difficult to perform because of ground frost. Sunrise Septic Services, Inc. will attempt to use the same level of standards when performing winter work as when performing non-winter work. However, the client understands that because of aforementioned considerations, the same level of standards may not be possible.

Respectfully,



Jeffrey A. Fertig
Inspector/Owner

Attachment 1

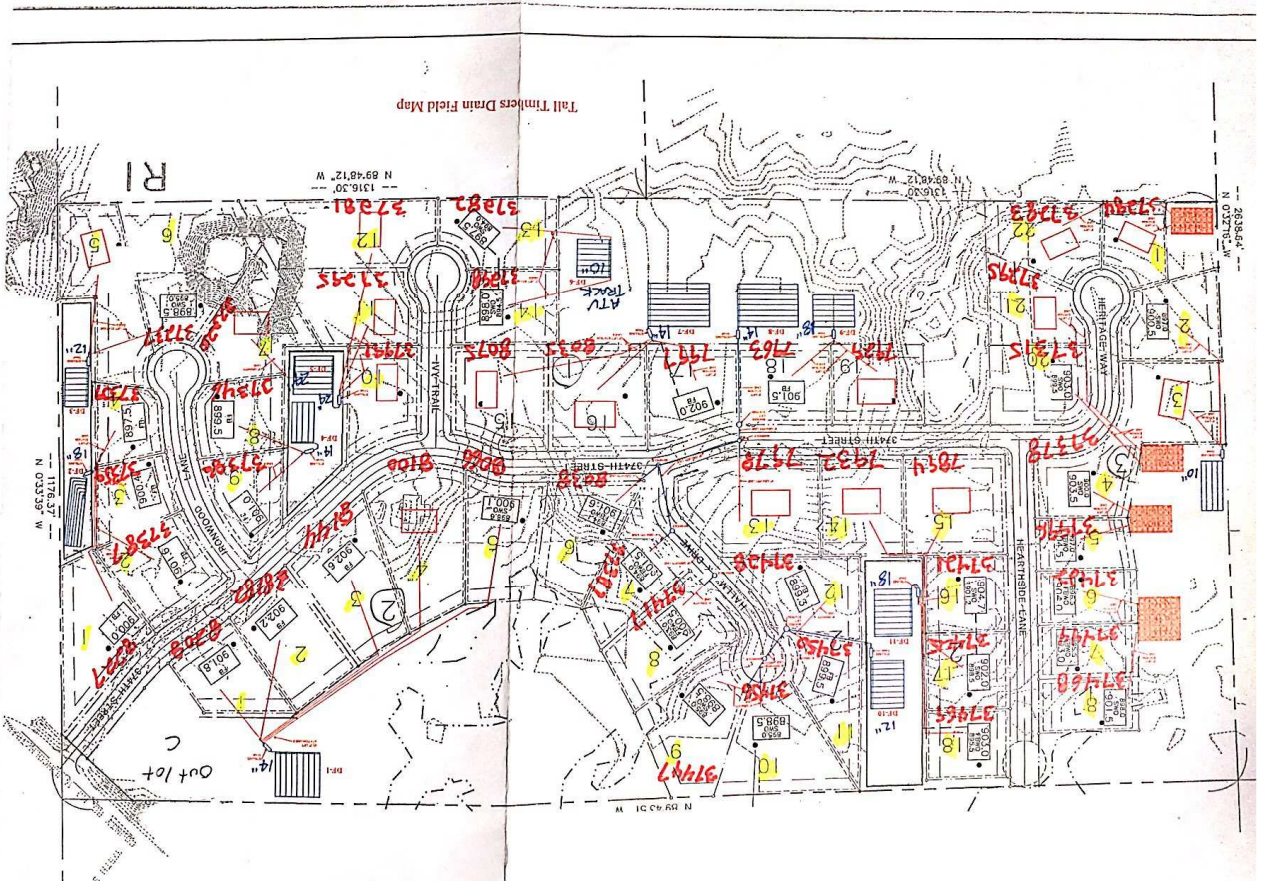
Attendees: Greg Cardinal (GN Excavating), GN Excavating Foreman, Tom Davis (TTHA Board Member), Garry Weisinger (TTHA Septic Committee).

1. The concrete stilling tanks in the drain fields not only slow down the effluent before it enters the drain field, they are also a last line of defense for any solids which might get by the septic tank and lift stations. They need to be pumped when sludge accumulates in the bottom of the tank. The depth of the sludge can be checked to see if they need pumping. They have a manhole in the center of the tank which can be dug out and removed for pumping.
2. A note for homeowners; individual homeowner lift stations should be sized for the length of run and slope of the 2" line to the drain filed when being replaced.
3. Drain fields should be mowed a few times a year.
4. There should be no vehicle or foot traffic on the drain fields in the winter.
5. A note for homeowners; leaking toilets can add a lot of water to the septic system. You can check if your tank is leaking into the toilet bowl by adding food coloring to the water in the tank to see if any leaks into the toilet bowl.
6. A note to homeowners: Water softeners and iron filters can add a lot of water to the septic system. This can be prevented by running the discharge water from the cleaning process somewhere other than your home's septic system.
7. The first drain field we looked at is in Block 1 behind Jim Hoard's house (Lot 10). This field has a stilling tank and serves lots 10, 11, 12. The tank and drain field are functioning properly. This field also appears to serve lot 7 with a gravity connection on the opposite side of the field.
8. The next drain filed we looked at is in Block 1 behind Randall's house (Lot 9). This field has a stilling tank and serves lots 8, 9. The tank and drain field are functioning properly.
9. We opened up the shared lift station next to Scott Johnson's house (lot 11) to show Greg a leaking fitting. Greg turned on the pump so we could watch the leak. The stream of effluent coming out was not significant. Greg thought it might be a leak at a pipe flange seal. He said the cost of fixing the leak would be very expensive and recommended not doing anything at this time.
10. This shared lift station services block 1 lots 9, 10, 11, 12. It pumps water into the stilling tank in the drain field behind Scott's house (lot 11). No problems were seen with the function of the stilling tank and drain field. There is one cracked inspection pipe in this field which will need to be replaced with a new cap. The caps can be purchased at Menards and are 4" schedule 3034. I have a section of 4" pipe which I've purchased for the drain fields.
11. There are two drain fields in the field behind Scott's house. The stilling tank for the second drain field is behind lot 16 and serve lots 14 and 15 along Iris and 16, 17, 18 along Hearthside Lane. No problems were seen with the function of this stilling tank and drain field.
12. The field behind Scott's house with these two drain fields has brush that needs to be removed. The ground is also rough, probably mostly from pocket gophers. It has not been mowed. Greg suggested bringing in a brush hog and clearing the field but it seems simpler and less expensive to do it by hand.

13. Greg suggested at this point that all the drain fields should be mowed during the spring and summer months and then allowed to grow back up in late summer and fall.
14. The next drain field we looked at was behind our house (lot 17). It serves lots 15, 16, & 17. I showed Greg where dirt was entering the stilling tank where the 6" pipe enters the tank. I remember when the house built on lot 16 that there was some damage to the pipe and that it was reburied before it was fixed. Greg suggested that we dig up the pipe and verify that it is not damaged, and that it is resealed where it enters the tank. Other than that the field has been mowed and clear of all brush and is functioning properly.
15. The next field we looked at is behind Joe's house (lot 14) and serves lots 13 & 14. There is no stilling tank in this field. The 2" line from each house connects to the drain field on opposite sides at the high side of the drain field. This field is not mowed but doesn't have any brush on it and is functioning properly.
16. The next field we looked at was behind Larry Erickson's house (lot 18). It serves the shared lift station that is next to Iris and between Larry's house and our house. This lift station is gravity fed from a catch basin next to it in the middle Iris Ave. Lots 13 across the street has a gravity line connected to the catch basin. Lots 7, 8, 13 appears to have a shared gravity line which runs under the street to the catch basin. The drain field does have a stilling tank. The drain field is mostly mowed but there is some brush on the field that will need to be removed.
17. The next field we looked at is behind Ron Hals house (lot 19) and serves lots 18 & 19. It does have a stilling tank. This field is not mowed and does have some brush on it otherwise is functioning properly.
18. The next field we looked at is the mound field in block 2 next to Eric Schoon's house (lot 3) and behind Karen's house (lot 4). This mound has two separate high pressure systems in it. One system serves lot 20 across the street from it and the other serves lot 21 which is also across the street (Heritage Way). The line from lot 20 has heat tape installed in it because it was not originally installed correctly and has a low spot which does not allow the effluent to drain back properly. Greg was called in and dug up this line when it froze and identified the problem. This field has no brush and is mowed. Greg said that all the mound systems need to be clear of all brush and mowed and are much more dependent on evaporation than the low pressure systems. Greg also stressed at this point that it is extremely important that there is no vehicle or foot traffic on any of the drain fields in the winter, especially the mound systems. The mound systems should also not be walked on or mowed while the ground is very wet.
19. The next field we visited is a mound system in block 2 and is behind Karen's (lot 4) and Mikes (lot 5) house. This system also has two systems in it and serves lots 4 & 5. This field is not mowed.
20. The next field we visited is a mound system in block 2 behind Steve's (lot 6) and Jim's (lot 7) house. This system appears to have 3 separate systems in it serving lots 6, 7, 8. This system is not mowed. Steve came out while we were looking at this field and said that he will mow this field starting next spring.
21. The next field we looked at in in block 2 and was further behind Karen's (lot 4) and Eric's (lot 3) house and is a low pressure system. It does have a stilling tank and serves lots 2 & 3. This field is

not mowed but does not have any brush on it. It appears to be functioning properly. Stanley from lot 2 said he would keep this field mowed starting next spring.

22. The next field we visited was the mound system is in block 2 behind Tim Johnson's (lot 1). This also has two separate systems in it and serves lots 1 & 22. This field was not mowed and had a number of small trees growing on it. Tom Davis said he will cut down the trees and move them to the side. Stanley said he will come and drag the trees away after that and said he will help maintain the field in the future.
23. The last drain fields we looked at were between the houses on Ironwood Lane and highway 14. This field consists of two separate drain fields, each with a stilling tank. The largest drain field serves lots 1, 2, 3 & 4 in Block 1. The 6" pipe before the stilling tank has three 2" pipe connections from lift stations and one 4" gravity flow pipe from lot 3. This drain field was installed diagonally in the field in order to get the required square footage required for the four houses. This drain field is functioning properly. The second drain field serves lots 5 & 6 in Block 1. It runs perpendicular to the property lines and is smaller since it only serves two houses. This drain field is also functioning properly.
24. Greg said that the stilling tanks are all 1,500 gallon concrete tanks and should get pumped since they have been in use for a number of years. He suggested doing a couple of tanks a year to fit our budget, which seems like a good idea. Starting with the tanks which have been in service the longest and serving the most houses is probably a good place to start. According to Greg, the tanks all have a lid in the center which will need to be dug out and removed for pumping.
25. Greg said that by the way the drain fields look at this point that they could continue to function properly for up to another 30 years.



DF 1 Lots 1-5 Blk 1
 D.P. 2: REMOVE FALLING TREES & BRUSH



Tall Timbers

Date: 10/30/2017
 Time: 9:21:45 AM



These data are provided on an "AS IS" basis, without warranty, accuracy or liability. The user assumes all responsibility for their performance, merchantability, or fitness for any particular purpose.