



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): 9/24/2020

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: 03.029.21.31.0007

Property address: 5385 Jamaca Blvd N Lake Elmo, MN 55042 Reason for inspection: property sale

Property owner: Kevin J Brown Owner's phone: 612-757-3240

or
Owner's representative: _____ Representative phone: _____

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

Brief system description: Two precast septic tanks and a pump tank lifting to a mound 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: Tom Trooien Certification number: 323

Business name: All State Septic Services LLC License number: 1568

Inspector signature: Phone number: 612-594-4496

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:

The tanks were pumped on 9/24/20. The high water alarm was functioning at the time of inspection.

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: 6/14/2014 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

Indicate depths or elevations

A. Bottom of distribution media	0
B. Periodically saturated soil/bedrock	0
C. System separation	0
D. Required compliance separation*	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

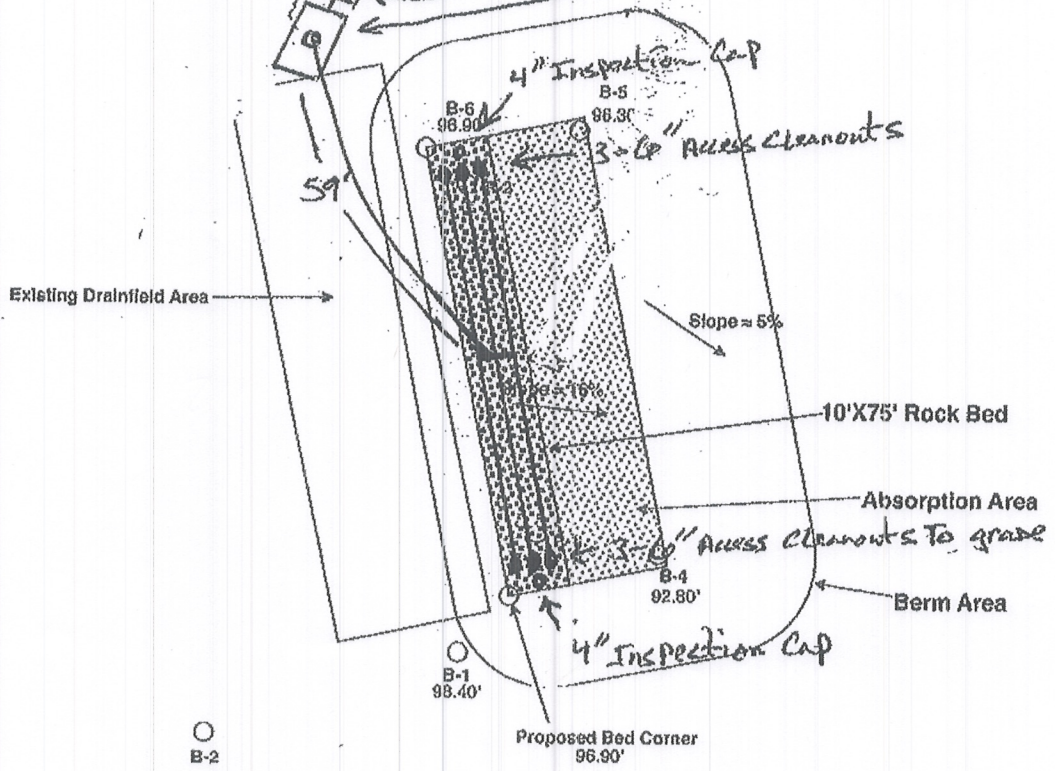
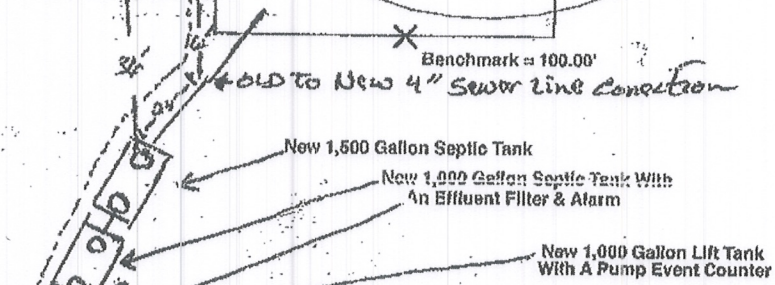
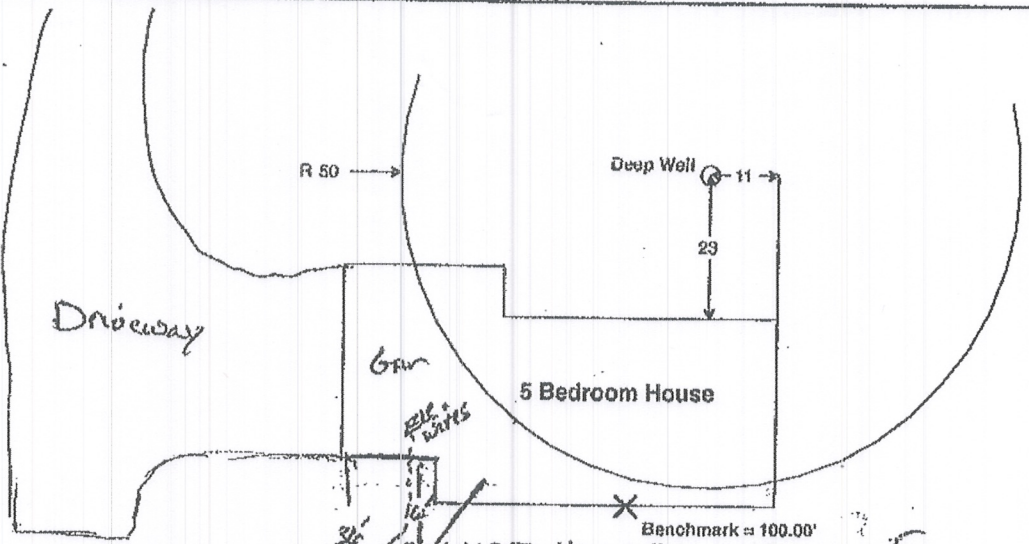
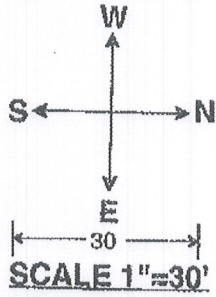
If the answer to both questions is “no”, this section does not need to be completed.

Compliance criteria

- a. Operating Permit number: n/a
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.



THIS IS NOT A SURVEY

**New System Design
5385 Jamaca Blvd N, Lake Elmo, MN 55042**

UNIVERSITY OF MINNESOTA

Onsite Sewage Treatment Program Soil Observation Log

Date: 5/28/14

Legal Description/GPS:

Client/ Address: 5305 Janssen Blvd

Soil Parent Material(s): Till Outwash Lacustrine Alluvium Loess Organic Matter Bedrock

Landscape Position: Summit (circle all that apply) Back/Side Slope (circle one) Foot Slope Toe Slope Slope Shape:

Vegetation: Soil Survey Map Unit(s): Slope (%): 5-6% Elevation:

Weather conditions/Time of Day: Observation #/Location/Method:

Depth (in)	Texture	Rock Frag %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Saturated Soil		Consistence
						Indicator(s) (see back)	Structure	
						Shape	Grade	
0-6	Silt loam		7.5 3/3	N	Concentrations Depletions Gleyed	Granular Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
6-18	Fine sandy loam		3/4		Concentrations Depletions Gleyed	Granular Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
18-203 203-26"	Clay loam moist	#	3/4	4/6	Concentrations Depletions Gleyed	Granular Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
0-6	Silt loam		7.5 3/7	N	Concentrations Depletions Gleyed	Granular Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
6-18	Fine Sandy loam		3/4		Concentrations Depletions Gleyed	Granular Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
18-203 203-26"	Clay loam moist		4/4	4/6	Concentrations Depletions Gleyed	Granular Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid

Comments:

19" Sand Base OK

Certified Statement: I hereby certify that I have completed this

P. G. ...

License #

Date

County 32

Log Of Soil Borings

Location of Project:		5385 Jamaca Blvd N, Lake Elmo, MN 55042			
Borings Made By:		Midwest Soil Testing		Date:	4/11/14
Auger Used:		Hand/Bucket		Classification System:	USDA
Boring Number:		1		Boring Number:	2
Surface Elevation of Boring	98.40' Benchmark = 100.00' patio at rear walkout door			Surface Elevation of Boring	
Depth In Inches	<u>Soils Encountered</u>			Depth In Inches	<u>Soils Encountered</u>
0-4 4-20 20-36	10YR 2/2 Silt Loam 10YR 3/6 Clay Loam 10YR 3/6 Clay Loam With 7.5YR 5/8 & 10YR 6/2 Redox			0-6 6-17 17-27 27-40 40-50	7.5YR 2.5/3 Loam 7.5YR 3/4 Sandy Loam 7.5YR 3/4 Clay Loam With 5YR 4/6 Redox 5YR 4/4 Loamy Sand 5YR 4/4 Loamy Sand With Clay Loam Layers And 10YR 6/2 & 2.5 4/6 Redox
End Of Boring At:		36"		End Of Boring At: 50"	
Redox Present At:		20"		Redox Present At: 17"	
Standing Water Present At:		None		Standing Water Present At: None	
Boring Number:		3		Boring Number: 4	
Surface Elevation of Boring				Surface Elevation of Boring	92.80'
Depth In Inches	<u>Soils Encountered</u>			Depth In Inches	<u>Soils Encountered</u>
0-6 6-12 12-24	10YR 2/1 Silt Loam 10YR 3/4 Clay Loam 10YR 3/4 Clay Loam With 5YR 4/6 & 10YR 6/2 Redox			0-6 6-18 18-30	10YR 3/3 Silt Loam 10YR 4/4 Clay Loam 7.5YR 3/4 Loam With Trace Gravel And 5YR 4/6 Redox
End Of Boring At:		24"		End Of Boring At: 30"	
Redox Present At:		12"		Redox Present At: 18"	
Standing Water Present At:		None		Standing Water Present At: None	

Log Of Soil Borings

Location of Project:		5385 Jamaca Blvd N, Lake Elmo, MN 55042	
Borings Made By:		Midwest Soil Testing	Date: 4/11/14
Auger Used:		Hand/Bucket	Classification System: USDA
Boring Number:		5	Boring Number: 6
Surface Elevation of Boring	96.30' Benchmark = 100.00' patio at rear walkout door		Surface Elevation of Boring 96.90'
Depth In Inches	<u>Soils Encountered</u>		Depth In Inches <u>Soils Encountered</u>
0-6 6-17 17-32	10YR 2/1 Loam 5YR 3/4 Sandy Loam 7.5YR 2.5/3 Silt Loam/Loam With 5YR 4/6 & 7.5YR 4/2 Redox		0-8 8-27 27-36 7.5YR 2.5/1 Silt Loam 7.5YR 2.5/3 Loam With Trace Of Gravel 5YR 3/4 Loamy Sand & Gravel With 5YR 4/6 Redox
End Of Boring At:		32"	End Of Boring At: 36"
Redox Present At:		17"	Redox Present At: 27"
Standing Water Present At:		None	Standing Water Present At: None
Boring Number:			Boring Number:
Surface Elevation of Boring			Surface Elevation of Boring
Depth In Inches	<u>Soils Encountered</u>		Depth In Inches <u>Soils Encountered</u>
End Of Boring At:			End Of Boring At:
Redox Present At:			Redox Present At:
Standing Water Present At:			Standing Water Present At: