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): 5/30/2017

☒ **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: 12.01405.00

Property address: 2854 Hwy 65 Mora, MN 55051
Reason for inspection: Property Transfer

Property owner: MA Investments
Owner's phone: 651-341-5899

or

Owner's representative:
Representative phone:

Local regulatory authority: Kanabec County
Regulatory authority phone: 320-679-6456

Brief system description: 1000 gallon septic tank to a rock trench 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: Travis Johnson
Certification number: 9068

Business name: Septic Check
License number: 2624

Inspector signature:
Phone number: 320-983-2447

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.	☐ Yes ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes ☒ 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. *Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.*	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	☐ Yes ☒ 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: 12/10/1996 (mm/dd/yyyy) ☐ 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.	☐ Yes ☐ 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.*	☒ Yes ☐ 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.	☐ Yes ☐ 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:

Indicate depths or elevations

A. Bottom of distribution media	30"
B. Periodically saturated soil/bedrock	>72"
C. System separation	>36"
D. Required compliance separation*	36"

*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

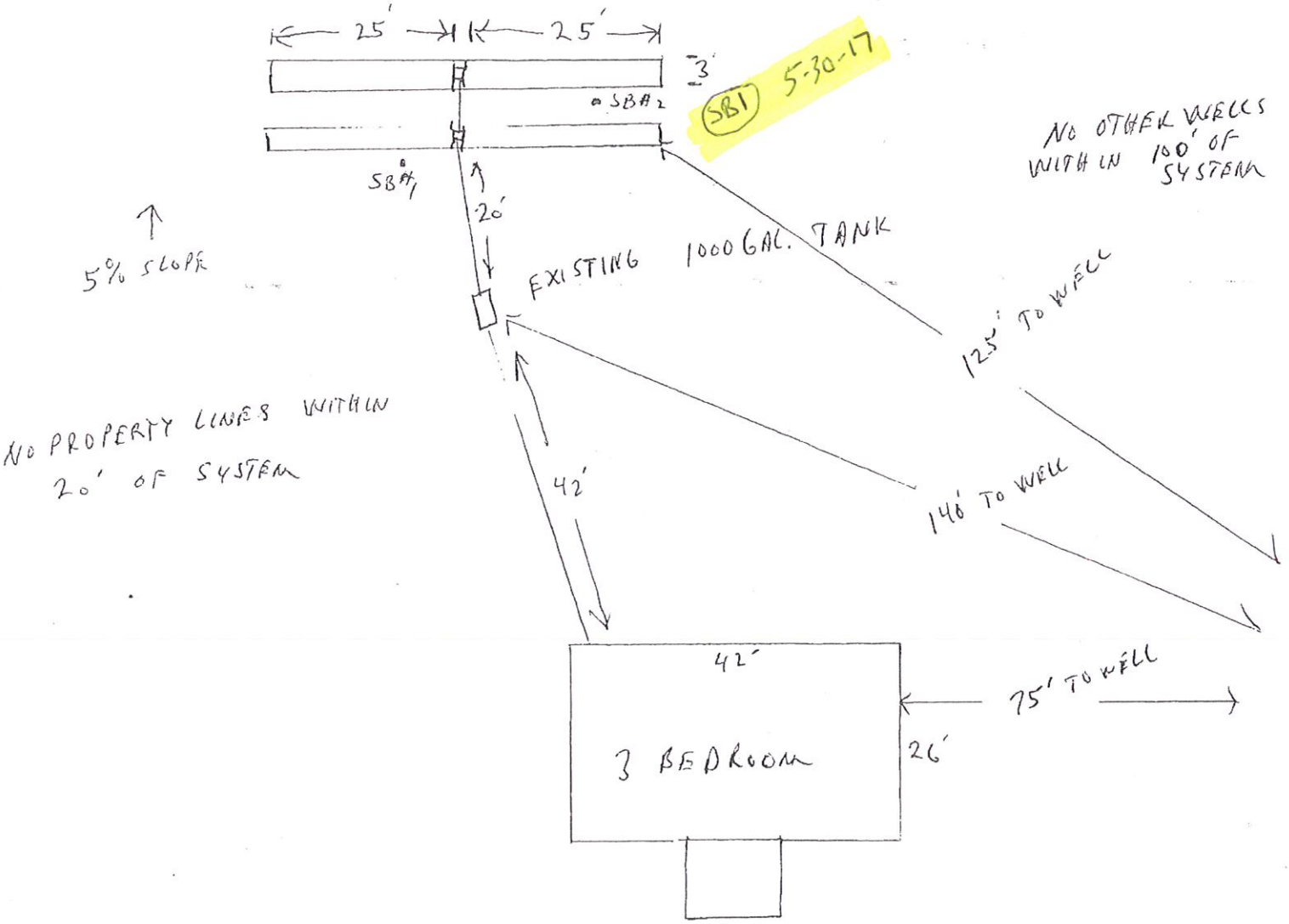
Any "no" answer indicates Noncompliance.

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.*

Jensen Backhoe Service

Route 1, Box 353
HINCKLEY, MINNESOTA 55037

Scott (320) 384-7397
FAX (320) 384-7380
EST. 1977



12-4-96

DRIVE WAY

Kanabec County, Minnesota

C17B—Rosholt-Chetek complex, 2 to 8 percent slopes

Map Unit Setting

National map unit symbol: 1t5cm
Elevation: 980 to 1,640 feet
Mean annual precipitation: 25 to 30 inches
Mean annual air temperature: 39 to 45 degrees F
Frost-free period: 120 to 140 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Rosholt and similar soils: 55 percent
Chetek and similar soils: 35 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rosholt

Setting

Landform: Outwash plains, stream terraces
Landform position (two-dimensional): Backslope, shoulder, summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Outwash

Typical profile

Ap - 0 to 8 inches: loam
B/E - 8 to 12 inches: fine sandy loam
Bt - 12 to 28 inches: loam
2BC - 28 to 32 inches: loamy sand
2C - 32 to 80 inches: gravelly coarse sand

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: B
Other vegetative classification: Sloping Upland, Low AWC, Acid (G090XN008MN)

Hydric soil rating: No

Description of Chetek

Setting

Landform: Outwash plains, stream terraces
Landform position (two-dimensional): Shoulder, backslope, summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Outwash

Typical profile

Ap - 0 to 5 inches: fine sandy loam
E - 5 to 12 inches: fine sandy loam
Bt1 - 12 to 18 inches: sandy loam
2Bt2 - 18 to 25 inches: gravelly loamy coarse sand
2BC, 2C - 25 to 80 inches: gravelly coarse sand

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Other vegetative classification: Sandy (G090XN022MN)
Hydric soil rating: No

Minor Components

Antigo

Percent of map unit: 5 percent
Landform: Outwash plains, stream terraces
Landform position (two-dimensional): Summit, backslope
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sloping Upland, Acid (G090XN006MN)
Hydric soil rating: No

Scott lake

Percent of map unit: 5 percent
Landform: Outwash plains, stream terraces
Landform position (two-dimensional): Footslope, summit
Down-slope shape: Concave
Across-slope shape: Linear

Other vegetative classification: Sloping Upland, Low AWC, Acid (G090XN008MN)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Kanabec County, Minnesota
Survey Area Data: Version 10, Sep 19, 2016

Soil Profile Description

Last updated: 1/8/10

Date Completed :	5/30/2017	**Observation # :**	1
Completed By :	Travis Johnson	**Equipment :**	Auger
Client / Project :	MA Investments	**Limiting Layer :**	>72"
Landscape position :		**Vegitation :**	Grass
Mapped soil type :	C17B	**Weather :**	Cloudy

Observation # : 1	*Primary or Alternate Site*	*Elevation:*				
Horizon Depth	**Soil Texture**	**Matrix Color**	**Redox features**	**Shape**	**Grade**	**Consistence**
0" - 18"	Loamy Sand	10YR 3/2		Granular	Strong	Friable
18" - 72"	Sand	7.5YR 4/4	No Redox present to 72"	Single Grain	Loose	Structureless

Septic Check 6074 Keystone Rd Milaca, MN 56353
Phone: (320)-983-2447 Fax: (320)-983-2151 info@septiccheck.com www.SepticCheck.com

Logs of Soil Borings

Property Owner: ANDREW SMITH Permit No: _____

Legal Description: _____ Date: 11-20-96

Test hole or Borings made by: SCOTT JENSEN

Method Used: Backhoe _____ Hand Auger X Probe _____

Depth, in feet	Boring number 1 Record soil texture and Color from Munsell Color Book	Depth, in feet	Boring number 2 Record soil texture and Color from Munsell Color Book
	Ground Surface		Ground Surface
0		0	
1	8" TOPSOIL SILT LOAM 7.5 YR 3/3	1	6" TOPSOIL SILT LOAM 7.5 YR 3/3
	6" SILT LOAM 7.5 YR 5/6		4" SILT LOAM 7.5 YR 5/6
2		2	
3	SAND 7.5 YR 5/4	3	SAND 7.5 YR 5/4
4		4	
5		5	
6	END	6	END
7		7	

End of boring at 6 feet.

Mottled soil:

Observed at _____ feet of depth.

Not present in boring hole X.

Standing water table:

Present at _____ feet of depth,

_____ hours after boring.

Not present in boring hole X.

Observations and comments:

End of boring at 6 feet.

Mottled soil:

Observed at _____ feet of depth.

Not present in boring hole X.

Standing water table:

Present at _____ feet of depth,

_____ hours after boring.

Not present in boring hole X.

Observations and comments: