

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.

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): 10/10/2018

[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: 0302921330004

Property address: 5170 Jamaca Blvd. North, Lake Elmo, MN 55042 Reason for inspection: Property Transfer

Property owner: Jim Reese Owner's phone: 612-777-7902

or
Owner's representative: Representative phone:

Local regulatory authority: City of Lake Elmo Regulatory authority phone:

Brief system description: 1250-gallon septic tank, 1000-gallon lift tank and gravity flow trenches.

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

- [X] Soil boring logs [X] System/As-built drawing [] Forms per local ordinance
- [X] Other information (list):

JH7

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:

Pumper testimony

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:

JAF

4. Soil Separation – Compliance component #4 of 5

Date of installation: 1990 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:

Indicate depths of elevations

A. Bottom of distribution media	30 inches
B. Periodically saturated soil/bedrock	>60 inches
C. System separation	>24 inches
D. Required compliance separation*	24 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: _____ Yes No
 Have the Operating Permit requirements been met?
- 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: October 11, 2018
CLIENT: Jim Reese
ADDRESS: 5170 Jamaca Blvd. North, Lake Elmo, MN 55042
PID#: 03.029.21.33.0004

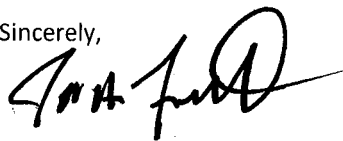
REPORT SUMMARY:

At the request of the seller of this property, I have performed an MPCA Compliance Inspection of this septic system. It is my opinion that this onsite sewage treatment system is compliant. The system consists of a 125-gallon solid septic tank, 1000 gallon lift tank and gravity flow trenches. Based on my inspection of the system it is my opinion that this system presently meets MPCA minimum compliance inspection requirements. The bottom of the bed was located at approximately 36 inches below grade and redoximorphic features were not found in a 60-inch soil boring, rendering the system with 36 inches or more of separation. Smiley's Septic pumped the septic and lift tanks which appeared to be watertight, baffles in place and functioning properly.

Minimum compliance inspection requirements include only verification that the septic system has a water tight septic tank, the required drain field separation to saturated soils, no backup of sewage into the dwelling 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 area and/or the information supplied by the last occupants of the dwelling prior to inspection. Sunrise Septic Services cannot guarantee that the information given to us relative to back ups is accurate. Certification of this system does not warranty future use beyond the date of the inspection.

Please contact me if you have any questions.

Sincerely,



Jeffrey A. Fertig
Sunrise Septic Services, Inc.

NOTE: This report is not complete without the inclusion/attachment of the respective MPCA Septic System Compliance Inspection form, which consists of two separate pages. Sunrise Septic Solutions has not been retained to guarantee or certify the proper functioning of the system for any period in 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, and the inability of my company to supervise or monitor the use or maintenance of the system, this report shall not be construed as a warranty by my company that the system will function properly for any particular buyer. Sunrise Septic Services hereby **DISCLAIMS ANY WARRANTY**, either expressed or implied, arising from the inspection of the septic system or this report. We are also not ascertaining any effect the system is having on the groundwater. **This report/inspection is being done for only the seller and the buyer of this property. There is no contract between Sunrise Septic Services and any other party except the seller/buyer. Liability to Sunrise Septic Services Inc. is limited to the cost of this inspection.**

Soil Boring Log

Depth of System or Sand Lift 30 inches

Flood Plain: Yes No

Depth to Restrictive Layer >60 inches

Shoreland: Yes No

Type of Observation: Probe Pit Boring

Well Head Protection area: Yes No

General Soil Texture: Sand Loam Clay

Drainage: Good Problems

Well Info: Location _____
 Depth _____

Site Drawing

see Attached

Depth	Texture	Color	Structure
0-13"	Silt Loam	10 YR 7/2	Blocky Platy Prismatic
11-38"	Silt Loam	7.5 YR 4/4	Blocky Platy Prismatic
38-60	Loamy Sand	7.5yr 4/4	Blocky Platy Prismatic
			Blocky Platy Prismatic

Additional Notes:

*Replaced Preinfield 1991
 P@ time of Insp.
 \$ 310 + \$ 40 Permit*

Inspection Performed by: _____ Jeffrey A. Fertig

Registration Number _____ 2942

Property Owner Jim Reese
Site Address 5170 Jamaca Blvd. North, Lake Elmo, MN 55042
Legal Description _____
PID # 03.029.21.33.0004

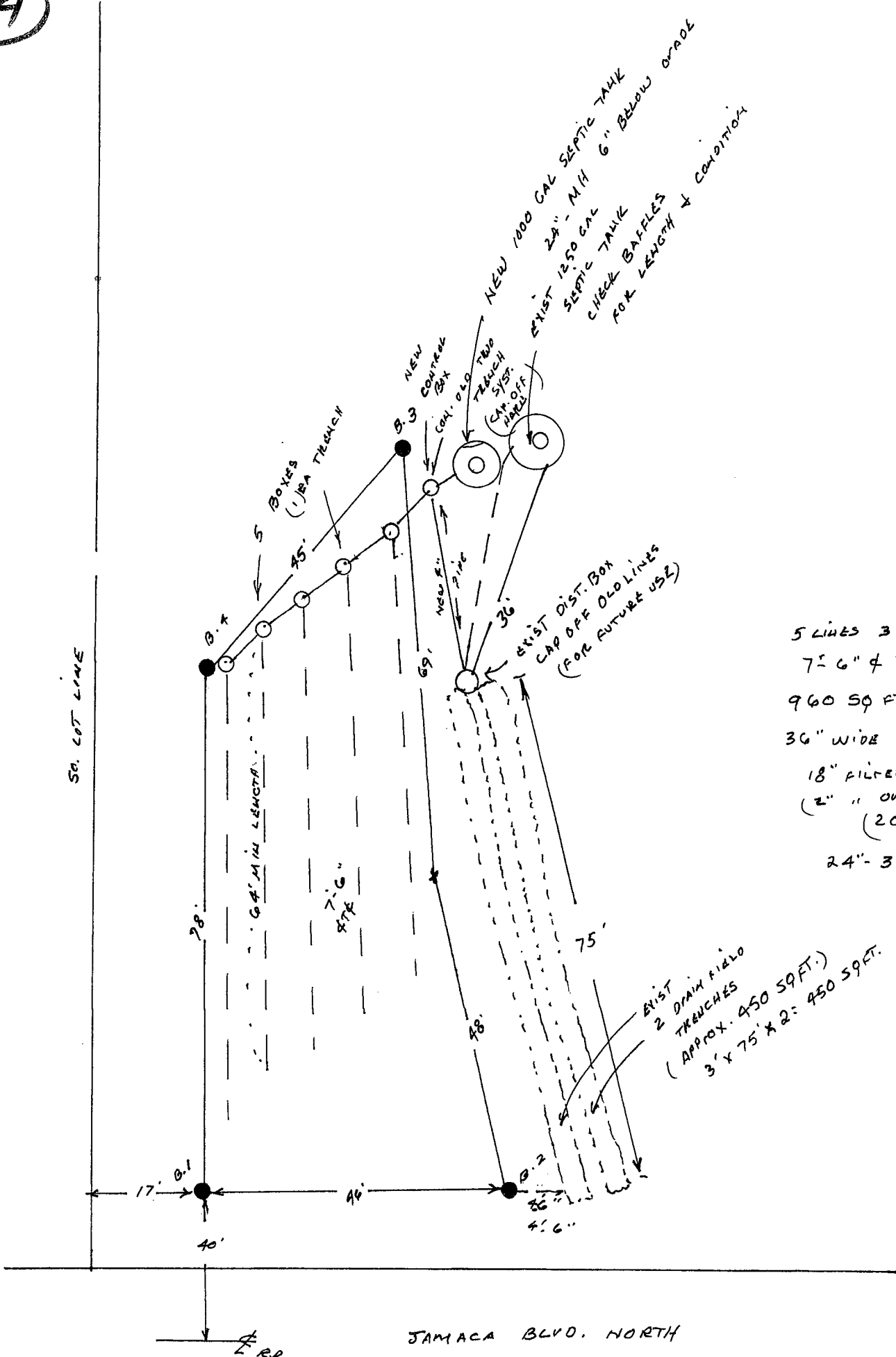
5170 Jamaca Blvd. North, Lake Elmo, MN 55042

Site Sketch:



Not to Scale See Attached

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5 LINES 3' X 64' (MIN)
 7" 6" ϕ TO ϕ
 960 SQ FT. (MIN)
 36" WIDE TRENCH
 18" FILTER ROCK BELOW
 (2" OVER) PIPE
 (20% REDUCTION)
 24"-36" BACK FILL OVER

EXIST
 2 DRAIN FIELD
 TRENCHES
 (APPROX. 450 SQ FT.)
 3' X 75' X 2 = 450 SQ FT.

JAMACA BLVD. NORTH