

# MAC'S sewer service

Date: 5-9-18 <sup>10:00</sup> Time: Am

34918 Falcon Ave., North Branch, MN. 55056

macsewer12@gmail.com

651-462-1510

Phone: 651 286-7465 <sup>X CAUSE on Cell</sup> 651 354-7670  
 Email: Joelight@unwsp.edu  
 Name: Joel Light  
 Address: 23150 Manning Tr. N  
 City/State/Zip: Scandia Wn 55073 <sup>LUG</sup> Wash

Septic Inspection	300 -
Wash. Cty Filing fee	40 -
Thank you	
<u>Ross to Pump truck</u>	
TOTAL	340 -

PAID CK# \_\_\_\_\_ VISA MASTER CARD A/R \_\_\_\_\_

PAYMENT DUE UPON RECEIPT — \$20 LATE FEE DUE after 7 days.  
 A \$30 NSF fee will be charged for returned checks.

Septic Inspection    Septic Design    Perc/Soil Tests    Water Tests

# Ross' Sewer Service, Inc.

9288 Co. Rd. 5 NE  
North Branch, MN 55056  
651-674-4349  
M.P.C.A. # L3448

• Joel Light •  
23150 Manning Trail North  
• Scandia •

H-1000 2 covers 5-9-18

Septic Pumping (1 tank)	\$ 315.00
Main Sewer Line Cleaning	
Kitchen Drain Cleaning	
Floor Drain Cleaning	
Sand Trap Pumping	
Steaming	
Permit Fee	\$ 22.00
Service Fee	
TOTAL	\$ 337.00

Thank You...

PP CC  
VISA

# Mac's Sewer Service

Compliance Inspections

Water Tests

Septic Designs

Perc/Soil Tests

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May 9, 2018

Joel Light  
23150 Manning Tr. N  
Scandia, MN. 55073

651-354-7670

[jdlight@unwsp.edu](mailto:jdlight@unwsp.edu)

**RE: same**

Enclosed you will find the following Documents:

**Notice of Non-Compliance**

*Drain field does not meet vertical separation requirement.*

Surfacing Septage-Imminent Health Threat

*Tank(s) not water tight—block tanks*

Drain field failing to accept or treat wastewater-running overfull

*Tank pumping deferred until upgrade due to failing status.*

Repairs-see comment sections of report or site sketch

**Comments- see comment sections of report and site sketch.**

Design

Perc/Soil Testing Results

Water Test Result to follow

Invoice

Submit to lender for payment

**Paid in full**

Thank you. We appreciate your business.

Sincerely,



Michael D. McElhatton  
Inspector/Designer



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): 5/9/2018

[ ] Compliant - Certificate of Compliance

(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

[x] 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
[x] 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:

Property address: 23150 MANNING TR., SCANDIA, MN. 55073

Reason for inspection: HOME SALE

Property owner: JOEL LIGHT

Owner's phone: 651-354-7670

or

Owner's representative:

Representative phone:

Local regulatory authority: WASHINGTON COUNTY

Regulatory authority phone: 651-430-6655

Brief system description: GRAVITY TRENCH WITH 1000 GAL. PLASTIC SEPTIC TANK

Comments or recommendations:

DRAINFIELD DOES NOT MEET SEPARATION REQUIREMENT TO PROPERLY TREAT WASTEWATER AND THEREFORE DOES NOT MEET COMPLIANCE.

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: MICHAEL D. MCELHATTON

Certification number: R4089

Business name: MAC'S SEWER SERVICE

License number: L1476

Inspector signature: [Signature]

Phone number: 651-462-1510

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 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:

NOTHING ELSE OBSERVED AT THE TIME OF INSPECTION.

**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:

TANK WAS PUMPED BY ROSS' SEWER SVC AT TIME OF INSPECTION. APPROX. 1000 GAL. PLASTIC POLY SEPTIC TANK. TANK SHOWED SIGNES OF RUNNING OVER FULL WHICH IS AN INDICATION OF DRAINFIELD FAILING-- FAILING TO ACCEPT WASTEWATER ADEQUATELY.

**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:

ONE OF TWO MANHOLE COVERS IS CRACKED.

- 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: 1999  Unknown  
 Shoreland/Wellhead protection/Food Beverage Lodging?  Yes  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.

**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.

- 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)

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.\*

**Comments/Explanation:**

DRAINFIELD DOES NOT MEET SEPARATON REQUIREMENT TO PROTECT GROUNDWATER & THEREFORE DOES NOT MEET COMPLIANCE.

“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.

**Indicate depths of elevations**

A. Bottom of distribution media	42"
B. Periodically saturated soil/bedrock	24"
C. System separation	0"
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: \_\_\_\_\_  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.**

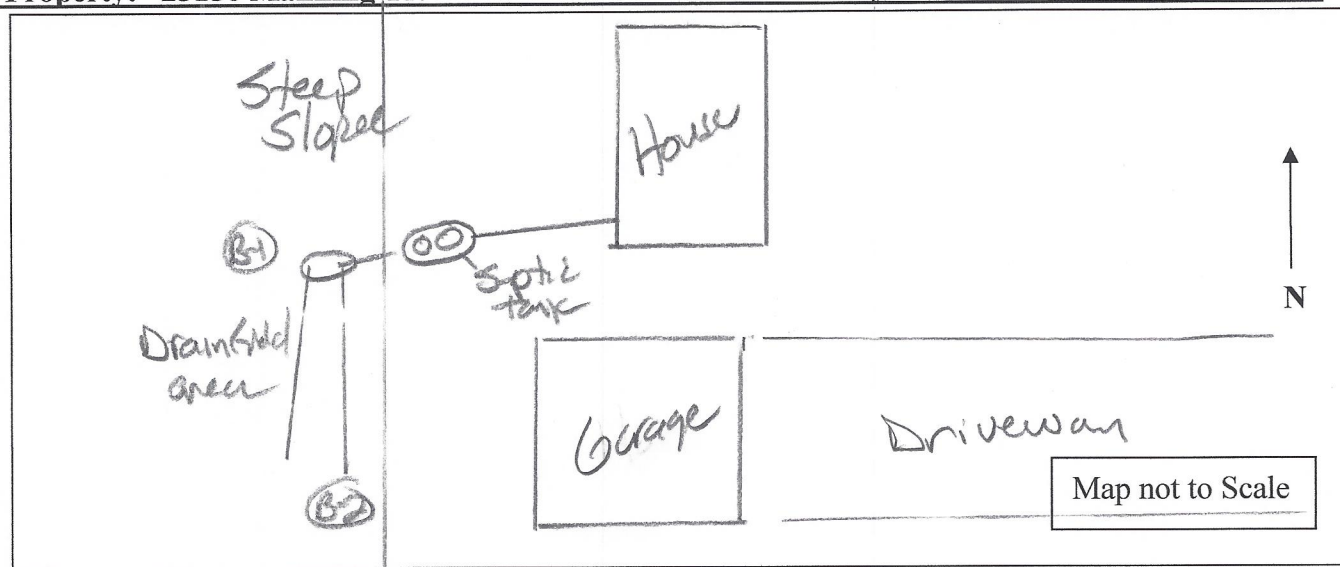
**Upgrade Requirements** (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground 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.

**SITE SKETCH + BORING LOG**

ATTACHMENT TO MPCA COMPLIANCE INSPECTION FORM wq.wwwists4-31

Property: 23150 Manning Tr.

By Mac's Sewer Service 5/9/2018



**SOIL BORING #1**

**SOIL BORING #2**

0-6" 10yr 3/3 dark brown sandy loam  
 6-18" 10yr 4/3 dark brown silty loam  
 18-24" 10yr 4/4 med brown clay & clay loam

0-6" 10yr 3/3 dark brown sandy loam  
 6-16" 10yr 4/3 dark brown silty loam  
 16-24" 10yr 4/4 med brown clay & clay loam

**Mottling 24"+**

**Mottling 24"+**

**COMMENTS: SYSTEM DOES NOT MEET MPCA CH. 7080 compliance code .**

**BANK OWNED or VACANT PROPERTY:** If property is bank owned or vacant, there is no owner testimony or current use to determine if there is, or has been, a history of back up into the house or surface discharge, although none was observed at the time of this inspection. Mac's Sewer does not assume any liability for limits of the inspection due to homes being vacant or winterized. Buyer & Seller accept this and the property as-is.

**PURPOSE:** The purpose and results of this inspection are only to determine if there is, or is not, adequate treatment of wastewater to protect against ground water pollution via tank(s) and drain field at the time of Inspection per the MPCA CH. 7080 Compliance Code. No other determination has been, or is made or implied, including system longevity, the inside plumbing & function, future performance or warranty of system due to unknown conditions during system construction, hydraulic performance, the use of the system, it's age or size, inadequate maintenance, or future water usage. **Liability is limited to the cost of this inspection.**

**REQUIREMENTS to bring system into compliance if deemed not in compliance: REPLACE DRAINFIELD & possibly the plastic tank.** Check with local government for specific upgrade requirements and time frames, which are subject to change without notice.