



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:

RECEIVED

JUN 01 2020

PUBLIC HEALTH

System Status

System status on date (mm/dd/yyyy): 5/26/2020

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: 36.027.21.42.0006

Property address: 11661 Lockridge Ave S Hastings MN 55043 Reason for inspection: Property Transfer

Property owner: Scott and Patty Wardell Owner's phone: 763-607-4073

or

Owner's representative: _____ Representative phone: _____

Local regulatory authority: Washington Co. Regulatory authority phone: 651-430-6696

Brief system description: Gravity to 1500 gallon septic tank to three rock trenches

Comments or recommendations: 1500 gal

Added maintenance riser to surface, pumped tank, compliant, no issues noted.

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 Wirtzfeld Certification number: C 8727

Business name: Advanced Septic Solutions, Inc License number: L 2829

Inspector signature: Tom Wirtzfeld Phone number: 507-301-9548

Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- Other information (list): tank certification form

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:

No issues noted

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:

Added riser to surface with insulated lid, verified tank is compliant

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: _____ 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 checked="" 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 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:

Records indicate system upgraded in 1995
3 rock trenches with 1 foot of rock

Indicate depths or elevations

A. Bottom of distribution media	< 34 inches
B. Periodically saturated soil/bedrock	73 inches
C. System separation	39
D. Required compliance separation*	24

*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: _____ 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

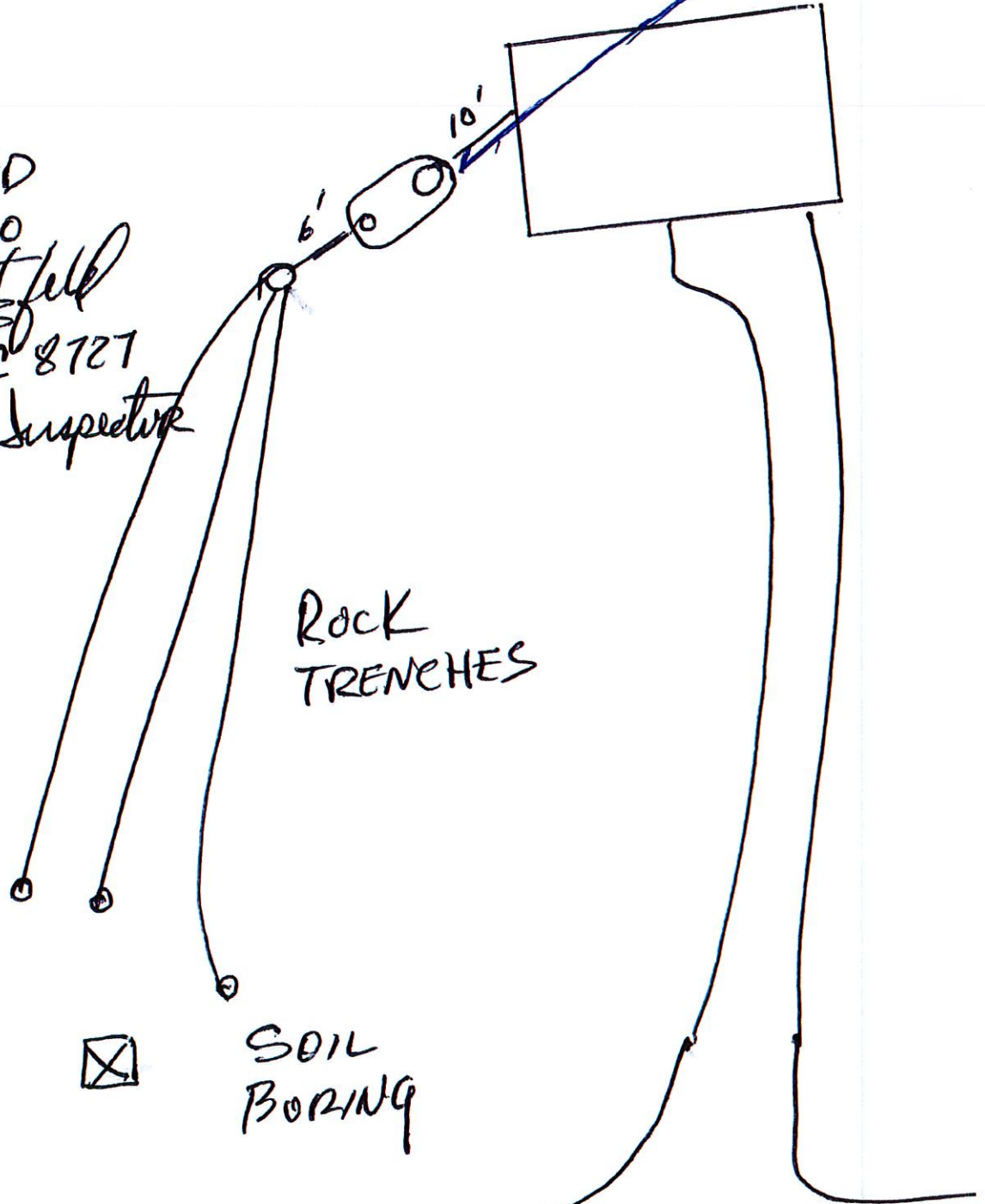
Any "no" answer indicates Noncompliance.

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.



WELL > 100'

As OBSERVED
5/26/2020
Tom Workfield
L2829 C 8727
Advanced Inspector



11661 LOCK RIDGE

Onsite Sewage Treatment Program Soil Observation Log



Client/Address: SCOTT WARDELL 11661 LOCK RIDGE AVE S HASTINGS Date: 5-26-2020
 Legal Description/GPS: SCOTT WARDELL 11661 LOCK RIDGE AVE S HASTINGS
 Soil Parent Material(s): (Till) Outwash Lacustrine Alluvium Loess Organic Matter Bedrock
 (circle all that apply)
 Landscape Position: Summit Shoulder Back/Side Slope Foot Slope Toe Slope Slope Shape: LV
 (circle one)
 Vegetation: LAWN SUNNY Soil Survey Map Unit(s): 4
 Weather conditions/Time of Day: 1:30 Observation #/Location/Method: 4" HAND AUGER Elevation:

Depth (in)	Texture	Rock Frag %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Saturated Soil Indicator(s) (see back)	Structure		Consistence
							Shape	Grade	
0-13	TOP SOIL	35	10YR 3/2		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
13-49	SANDY LOAM		10YR 4/3		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
49-73	FINE SAND		10YR 5/4		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
73-80B	FINE SAND		10YR 6/3	FAINT & ISOLATED CONCENTRATIONS DEPLETIONS GLEYED 7.5 YRS/6	Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
					Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
					Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid

Comments:

Certified Statement: I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

Tom WIRTZFEU (Designer) Tom Wirtzfeld (Signature) 2829 (License #) 5-26-20 (Date)