

**RON-EX
EXCAVATING**
32731 Woodland Park Road
Grand Rapids, MN 55744
327-9273 259-9273

Cecil Hartnel
35101 630th lane
Hill City MN 55748
651-399-0205

Agent:
Craig McNeil

Inspect septic systems was found compliant.

\$ 350

TOTAL
\$ 350

Thank You for Your Business,

Ronald R. Myers 4/5/16

Ronald R. Myers
Owner Ron-Ex Excavating

*pd 4/10/16
Check # 1135*



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): 4/5/2016

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: 20-0-016100

Property address: 35101 630th lane Hill City MN 55748 Reason for inspection: Building

Property owner: Cecil Hartnel Owner's phone: 651-399-0205

or
Owner's representative: _____ Representative phone: _____

Local regulatory authority: Atikin County Regulatory authority phone: _____

Brief system description: Precast Tank and mound

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: Ron Myers Certification number: 697

Business name: Ron-Ex License number: 697

Inspector signature:  Phone number: 259-9273

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:

Pumped and maintained by Bunes Septic service

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: 6/28/2010 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: 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:

Same as design

Indicate depths or elevations

A. Bottom of distribution media	+12
B. Periodically saturated soil/bedrock	-30
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: _____ 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.



Property Owner(s) BARBRA HARTNELL

Phone Number 218-380-6939

Address 35101 630TH LN

P.I.D. 20-0-016100 Section # _____ Township 51 N Range 26

Date 6/16/2010 Time 12:00 PM Weather conditions CLEAR

Location Information shoreland dwelling replacement system
 (check all that apply) protection area other establishment new home construction

Homeowner Information

No. of bedrooms (if applicable) 3 bedrooms (includes possible additions)
 No. of residents in home 2 adults _____ children
 Estimated flow 450 gpd
 Well casing depth _____ feet Discharge location if checked _____
 Water using devices (check) Garbage disposal Water softener _____
Dishwasher Sump pump _____
Large bathtub High eff. furnace _____
Laundry/large tub on 2nd floor Jacuzzi/hottub _____
 Water use concerns (check) Toilet/faucet leaks Max load laundry/day _____ Long term prescription medications _____
Home business Lint screen Antibact. soap _____ Frequent parties or out of town guests _____

Soil Data

Soil texture classification: SAND
 Unnatural soil (check) Yes No
 Type of observation (check) Probe Pit Boring
 Parent material (check) Till Outwash Loess Bedrock Alluvium
 Vegetation type (check) Wet Dry Unknown
 Slope form (check) Summit Shoulder Back Foot Toe
 Drainage (check) Good Fair Poor Ponding Flooding
 Located in floodplain (check) Yes No

Site Summary Data

Standing water: _____ inches
 Bedrock: _____ inches
 Saturated soil: 30 inches
 Maximum depth of system: 24 inches
 Max elevation at system bottom: _____ feet
 Soil sizing factor (SSF): 1.2 gpd/ft²
 Linear loading rate (LLR): 1 gpd/ft
 Was a perc test done? Yes _____ mpi
 No

Soil Survey Data	Soil #1	Soil #2
Map unit sym & name	1353B	1353B
Landscape position	SUMMIT	SUMMIT
Flooding		
Slope	1%	1%
Watertable depth	31	33
Bedrock depth		
Possible system depth	-1	-1
Texture at depth	SAND	SAND-
Permeability (P)		
Perc(MPI) = 60 / P		
NRCS onsite suitability		

Soil Boring Data

Boring 1		Elevation:	Location: 1		
Soil Horizons Depth (inches)	Texture		Color	Structure	Consistence
0-4	LOAMY SAND		7.5 YR 3/1	GRANDULAR	FRIABLE
4 TO 8	SILTY SAND		10 YR 4/4	PRISMATIC	FRIABLE
9 TO 30	SAND		7.5 YR 4/6	SINGLE GRAIN	LOOSE
31 IN MOTTLES	SILTY SAND		10 YR 5/3	PRISMATIC	FRIABLE

Boring 2		Elevation:	Location: 2		
Soil Horizons Depth (inches)	Texture		Color	Structure	Consistence
0-5	LOAMY SAND		7.5 3/1	GRANSULAR	FRIABLE
6 TO 10	SILTY SAND		10 YR 4/4	PRISMATIC	FRIABLE
11 TO 33	SAND		7.5YR 4/6	SINGLE GRAIN	LOOSE
34 MOTTLES	SILTY SAND		10YR 5/3	PRISMATIC	FRIABLE

600.00

AITKIN COUNTY BUILDING PERMIT SITE PLAN

Please indicate the location of: Wells, well setback to system components, buildings, septic system components, reserved septic system area, property lines, waterways, and buried lines. Include size, length, and appropriate distances from fixed reference points. Provide a North directional arrow!

Jim + Barb Hartwell

20-0-016100

