



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): 4/9/2019

[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: 1903119140009

Property address: 14365 St. Croix Trail N Marine on St Croix, Mn Reason for inspection: Property Transfer

Property owner: Jeff Ley Owner's phone: 651-303-2200

or

Owner's representative: Representative phone:

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description: 2 septic tanks to gravity drainfield

Comments or recommendations:

As of 4/9/19 this septic system is in 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: Dave Brown Certification number: C9370

Business name: David R Brown License number: L3649

Inspector signature: [Signature] Phone number: 651-788-3296

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 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:

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	

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	22"
B. Periodically saturated soil/bedrock	72"
C. System separation	50"
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: _____ 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.

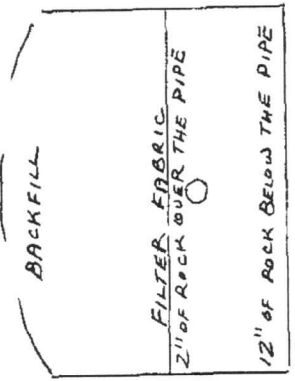
Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water,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

CAROL LEY
 1436 S SHEFFIELD LANE
 MAY TOWNSHIP, PA.
 SCALE: 1" = APPROX. 30'

DRAINFIELD LAYOUT FOR
 FIVE BEDROOM HOME

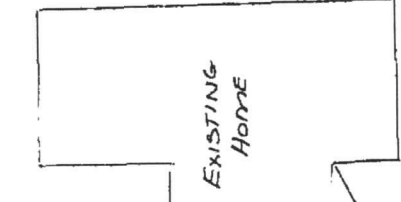
325' ±

ADD 600 SQ. FT. DRAINFIELD
 3 RUNS - 70' LONG -
 36" WIDE - 36" DEEP
 7'6" CENTER TO CENTER
 TRENCH SPACING
 FOLLOW THE CONTOURS
 KEEP BOTTOM OF TRENCH
 LEVEL



SOIL BORING LOG
 (B1)
 0'-14" = 10% RZ LOAM
 14'-54" = 10% RY/S Sandy loam
 54'-72" = NREY/S medium Sand

S. CROIX RIVER



WELL 124

DRIVEWAY

4" INSP. PIPES (B1)

EXISTING DRAINFIELD -
 APPROX. 3 75' TRENCHES -
 675 SQ. FT. ±

ADD 3 70'
 TRENCHES -
 36" WIDE x 36" DEEP
 600 SQ. FT.

INSTALL 1500 GAL. SEPTIC TANK
 WITH 24" MANHOLE + 4" CLEAN
 OUT TO GRADE

BLDG

EXISTING SEPTIC TANK

45'

60'

25'

4" CLEAN OUTS
 ON BOXES

VERIFY LOT LINE

SHEFFIELD LANE No. 200' ±

St. Croix River



Hastings Septic System Installed by CIB in 1970.

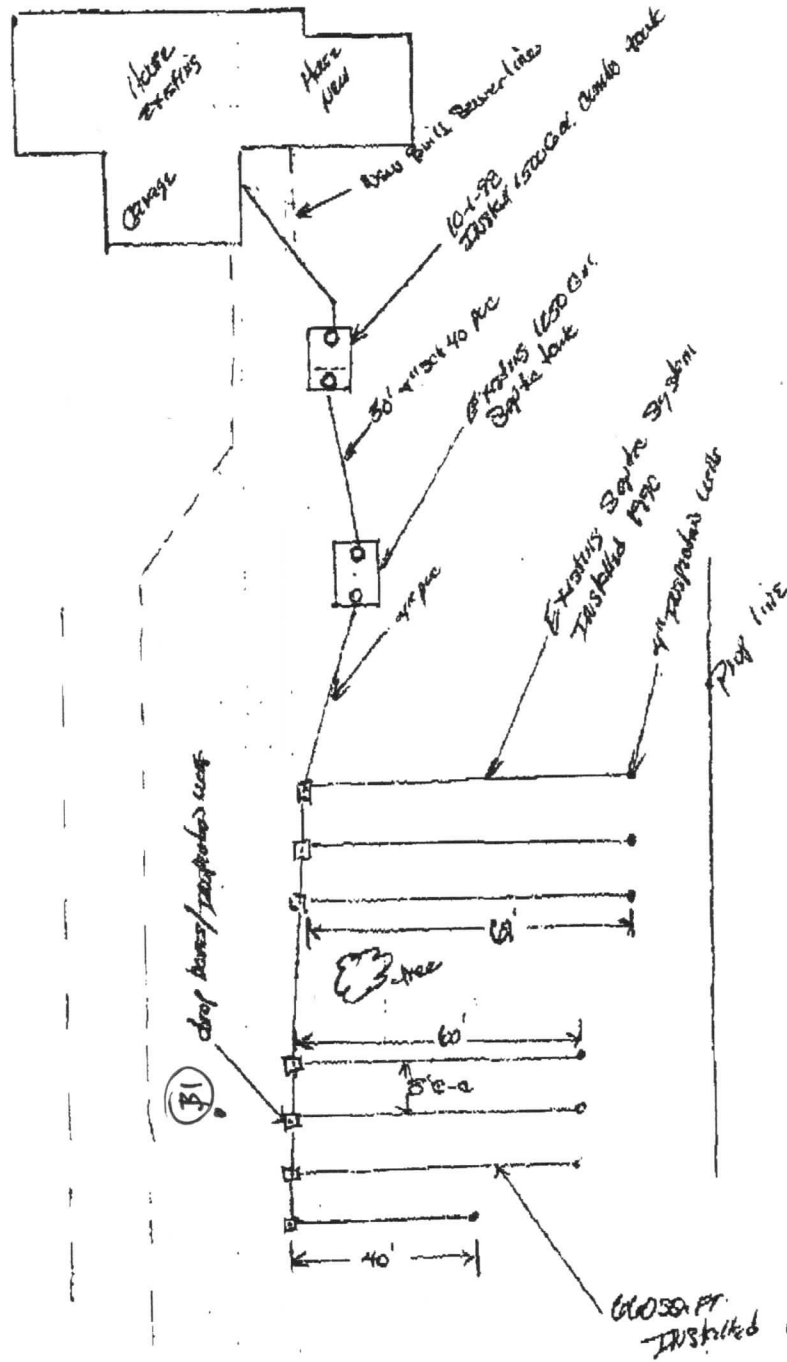
10-1-98

Justa 1-1500 Gal. Combo tank
660 Sq. Ft.

3 @ 60'

1 @ 40'

12" Rck. - Fabric



14305 Sheffield Ln.

OFFICE OF THE COUNTY BUILDING OFFICIAL

INDIVIDUAL SEWAGE TREATMENT SYSTEM MINIMUM SPECIFICATIONS SHEET

NAME: Sander Smith (Seller) Jeffrey Ley

Tel: 433-2517

ADDRESS AND/OR LEGAL DESCRIPTION: 14365 Sheffield Lane, Marine 55047 Sec. 19, T31N R19W (May Twnshp)

Existing Home: Type I, 3 Bedroom, No Disposal, No Rec Bathing Facility

WASTEWATER FLOW

Estimated 1150 gal/day, or Measured gal/day

Spacing of trenches 7+ ft oc

Distribution (check one):

X drop box

pressurized laterals - complete

PRESSURE DISTRIBUTION SYSTEM section below

SEPTIC TANK (Required)

Volume 1,250 gal

LIFT STATION (Gravity System)

Volume gal

Pump:

delivery rate gal/min

total head ft

discharge per pumping event gal

Inside diameter of pressure line from pump to treatment area inches

BED

Minimum depth of bed inch

Maximum depth of bed inch

Bottom area for bed having 12 inch of rock below the distribution pipe sq ft

Bed Width ft

Bed Length ft

MOUND

Bottom area for bed having 9 inch of rock below the distribution pipe sq ft

Bed Width ft

Bed Length ft

Upslope sand base depth ft

Upslope dike width ft

Downslope sand base depth ft

Downslope dike width ft

SOIL

Depth to restricting layer 7'

Percolation rate:

min/in at 12 inch depth

min/in at 24 inch depth

7.3 min/in at 30 inch depth

Land Slope 2-6% W'ly %

DRAINFIELD TRENCHES

Minimum depth of trench 12 inch

Maximum depth of trench 36 inch

Bottom area for trenches having 12 inch of rock below the distribution pipe sq ft

572 sq ft

Trench width 3 ft

Total trench length 191 ft

Number of trenches 4 Perforated lines @ 50', drop boxes @ centers

PRESSURE DISTRIBUTION SYSTEM

Inside diameter of manifold pipe in

Perforated lateral

inside diameter in

length ft

number

spacing in oc

Perforation:

diameter in

spacing in oc

LAYOUT (Site Plan)

- 1. Use an appropriate scale and indicate direction by use of a north arrow.
2. Show pertinent property boundaries, rights-of-way, easements, etc.
3. Show location of house, garage, driveway and all other improvements existing or proposed.
4. Show location and layout of sewage treatment system including tanks, trenches, etc.
5. Show location of water supply well.

Specifications and layout have been designed by R&J Johnson Date 8/27/90

Minnesota Pollution Control Agency Certification No. 709, 1396 Exp. Date 12/31/91



STANDARD SYSTEM DESIGN INDIVIDUAL SEWAGE TREATMENT SYSTEM

WASHINGTON COUNTY HEALTH, ENVIRONMENT & LAND MANAGEMENT
14900 N. 61ST STREET, P.O. BOX 3803, STILLWATER, MN 55082-3803
612/430-6708 OR 612/430-6656 FAX 612/430-6730

Owner's Name	CAROL LEY
Job Site Address	14365 SHEFFIELD LANE
City or Township	MAY TOWNSHIP
Use of Building	HOME - 5 BEDROOMS - 1 BEDROOM ADDITION

REVISED PLAN FOR HOUSE ADDITION

Design Flow Rate ^{750 GAL} PER DAY	Perc Rate 10 MPI	Land Slope 2-3	Percent
Two Required Tank Sizes 1500 Gallons 1000 Gallons	Lift Station Tank Size Gallons		
Type of System (standard, at grade or bed) STANDARD 200			
System Size: 7500 915 Square Feet	320 200 -Lineal Feet	36" -Trench Width	
Depth of rock below pipe 600 12" ^{UP}	Depth of Rock Above Pipe 2"		
MINimum Depth of Trench From Existing Grade 30 Inches	MAXimum Depth of Trench From Existing Grade 36 Inches		
Recommended Number of Trenches 3 X X 4.5	Recommended Length of Trenches 70 ±		
Trench Spacing Measured Center to Center 7 Feet			
Any Other Special Conditions CHECK EXISTING TANK FOR CONDITION - VERIFY LOT LINES - FINE SAND IN BORINGS 600 SQ FT 200 LINEAL FT ADDED TRENCH			

IF PRESSURE DISTRIBUTION IS USED, COMPLETE THE PRESSURE DISTRIBUTION WORK SHEET ATTACHED.

This design must be accompanied by a site plan that clearly shows the location of the area tested and approved by the following:

1. Use an appropriate scale and indicate direction by use of a north arrow.
2. Show ALL property boundaries, rights-of-way, easements, wetlands. If necessary, an enlarged detail of the house site may also be required.
3. Show location of house, garage, driveway and all other improvements existing or proposed.
4. Show location and layout of sewage treatment system.
5. Show location of water supply (well and/or community supply line).
6. Dimension all setbacks and separation distances.

This system has been designed by a Pollution Control Agency (PCA) Certified Professional.

Designer Name <u>DALE EKLIN</u>	STATE # <u>410</u>
Address <u>1986 RIDGEWOOD AVE WHITE BEAR LAKE MINN 55110</u>	PCA Certification # <u>695</u>
Signature <u><i>[Signature]</i></u>	Phone # <u>429 1090</u>
	Date <u>7-14-97</u>

An Equal Employment Opportunity/Affirmative Action Employer
If You Need Assistance Due to Disability or Language Barrier, Please Call 430-6708 OR 430-6656 (TDD 439-3220)

INSPECTION RECORD

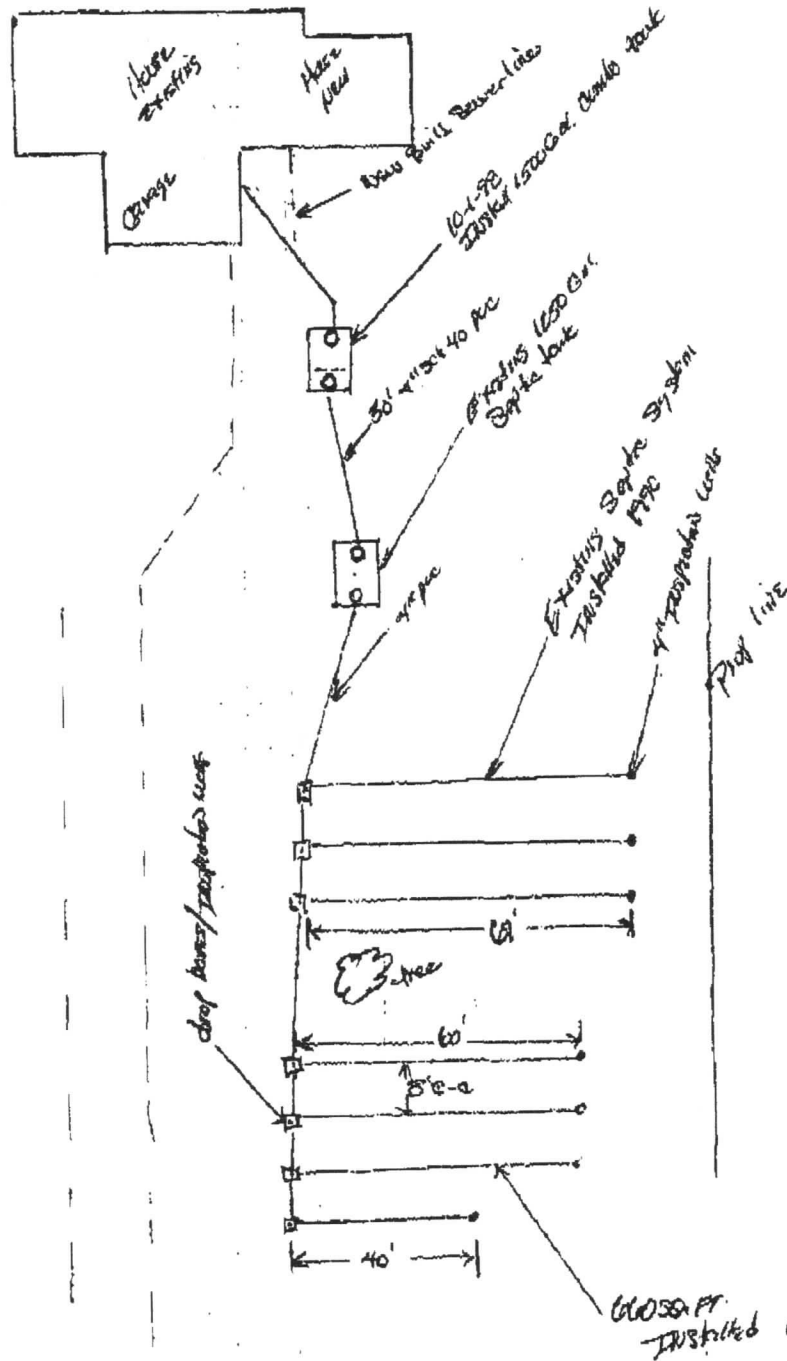
BUILDING	DATE	INSP.	COMMENTS
Foundation.....			
Foundation Wall.....			
Plumbing (Groundwork).....			
Heating (Groundwork).....			
Rough Plumbing.....			
Rough Gas Piping.....			
Rough Heating and Ventilation.....			
Framing.....			
Insulation.....			
Fireplace.....			
Chimney.....			
Wallboard or Lath and Plaster.....			
Final Electrical.....			
Final Plumbing.....			
Final Gas Piping.....			
Final Heating and Ventilation.....			
Final Building.....			

SEWAGE TREATMENT SYSTEM	DATE	INSP.	COMMENTS
Installation.....	10-1-98	P. L.	Tank Size: 1500 Combs added Treatment Area: 660 sq added
As Built.....			Installer: CFB

DRIVEWAY	DATE	INSP.	COMMENTS
Access.....			
Installation.....			

NOTES:

St. Croix River



Existing Septic System Installed
by C&B in 1990.

10-1-98
Instal 1-1500 Gal. Combo tank
600 SQ. FT.
300' x
10' x 40'
12" R.C. - Fabric

600 SQ. FT.
Installed 10-1-98

14305 Sheffield Ln.