



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.

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): 7/17/2018

[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: 16-028-20-24-0001

Property address: 14186 VALLEY CREEK TRAIL AFTON Reason for inspection: PROPERTY TRANSFER

Property owner: MEISSNER JOSEPH Owner's phone:

or
Owner's representative: Representative phone:

Local regulatory authority: WASHINGTON COUNTY Regulatory authority phone:

Brief system description: 2) 1000-GALLON SEPTIC TANKS, 1000-GALLON LIFT TANK WITH 300 SQ FT MOUND SYSTEM

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: RYAN LASHINSKI Certification number: 3053

Business name: LASHINSKI SEPTIC SERVICE License number: L65

Inspector signature: [Signature] Phone number: 763-434-3915

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:

TANK PUMPED AT TIME OF INSPECTION

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: 6/25/2010 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.

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:

SOILS VERIFIED BY WASHINGTON COUNTY

Indicate depths or elevations

A. Bottom of distribution media	100'0"
B. Periodically saturated soil/bedrock	96'9"
C. System separation	39"
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.*

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Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

Address 14186 Valley Creek Trail, Afton

Boring #1 Elevation: 99'9"		Boring #2 Elevation:	Boring #3 Elevation:
0-8	10YR 3/2 topsoil		
-16	10YR 5/3 brown medium washed sand (mound sand.)		
-40	10YR 4/3, 4/4 brown fine sand. Redoximorphic mottling at 36".		

Sketch:

Comments: Benchmark = garage floor. Assumed elevation = 100'0". The bottom of the mound rockbed elevation is 100'0". Soil boring #1, taken directly alongside and through the sand layer of the mound indicated dry conditions with redoximorphic mottling observed at 36". The system does meet the required 36" vertical separation from seasonally saturated soils. Soils were also verified at time of installation by Washington County. The system consists of 2 1000-gallon septic tanks, an effluent filter, a 1000-gallon lift tank and a 400 sq. ft. pressurized mound system. The tanks were pumped during the inspection, the baffles were checked and o.k. The lift pump was manually run and operable. The mound was dosed with approximately 125-gallons of effluent with no signs of excess ponding observed in the rockbed or sand layers of the mound. This inspection is not a warranty or guarantee, either written or implied, of future or long-term hydraulic functionality/performance, but rather a determination if the systems use is/may cause pollution and/or adverse harm to the environment, groundwater or public health and safety at the time of this inspection. No guarantee can be made on future hydraulic performance, or the performance of system components (pumps, controls, etc.). Changes in use can cause any system, failing or compliant, to become hydraulically overloaded and ultimately fail. Owner/buyer assumes full responsibility for the long-term performance of this system as well as any future upgrade, repairs or replacement costs. Liability is limited to the cost of this inspection.

Washington County, MN





Department of Public Health and Environment
 14949 62nd Street North PO Box 6
 Stillwater MN 55082-0006
 Office: 651-430-6655 TTY: 651-430-6246 Fax: 651-430-6730

Review Fee:	\$280.00
Permit Fee:	\$464.00
Total Fee:	\$744.00
Previous Payments	\$744.00
Balance Due	\$0.00

Community: Afton
Permit Number: 0100-10-4
Owner: Todd Featherstone
 PO Box 467
 Hudson WI 54016-
Applicant: Todd Featherstone

Scanned 6-1-10

PERMISSION IS HEREBY GRANTED

To execute the work specified in this permit on the following identified property upon express condition that said persons and their agents, and employees shall conform in all respects to the provisions of Ordinance #128, Washington County Development Code, Chapter Four, Individual Sewage Treatment System Regulations. This permit may be revoked at any time upon violation of any of the provisions of said ordinance.

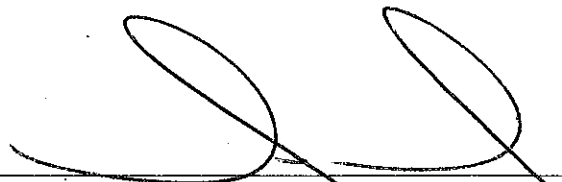
Project Address: 14186 Valley Creek TR
Geo Code: 16-028-20-24-0001
Designer: Barry Jonathan Brown

Type of System: Mound		Pressure Distribution	
		Number Of Laterals:	3
		Perforation Spacing:	3 Feet
		Perforation Diameter:	1/4 Inch
		Head Size:	1.0 Inch
		Total Head:	17.2775
		Connection:	End
		Length of Laterals:	28 Feet
		Perforations / Lateral:	10
		Total Perforations:	30
		Gallons Per Minute:	22.2
		Lateral Diameter:	1.25 Inches
Design Criteria		Mound Sizing	
Percolation Rate:	5	Rock Bed Width:	10 Feet
Depth To Restriction:	12	Rock Bed Length:	30 Feet
Land Slope:	0.00%	Absorption Width:	10 Feet
Flow Rate:	300	Depth of Clean Sand:	24 Inches
Number of Bedrooms:	2	Downslope Dike Width:	12 Feet
		Upslope Dike:	12 Feet
		Length of Dike:	54 Feet
Tank Sizes			
Tank 1:	1000	Tank 2:	500
Tank 3:	0	Lift Station:	1000

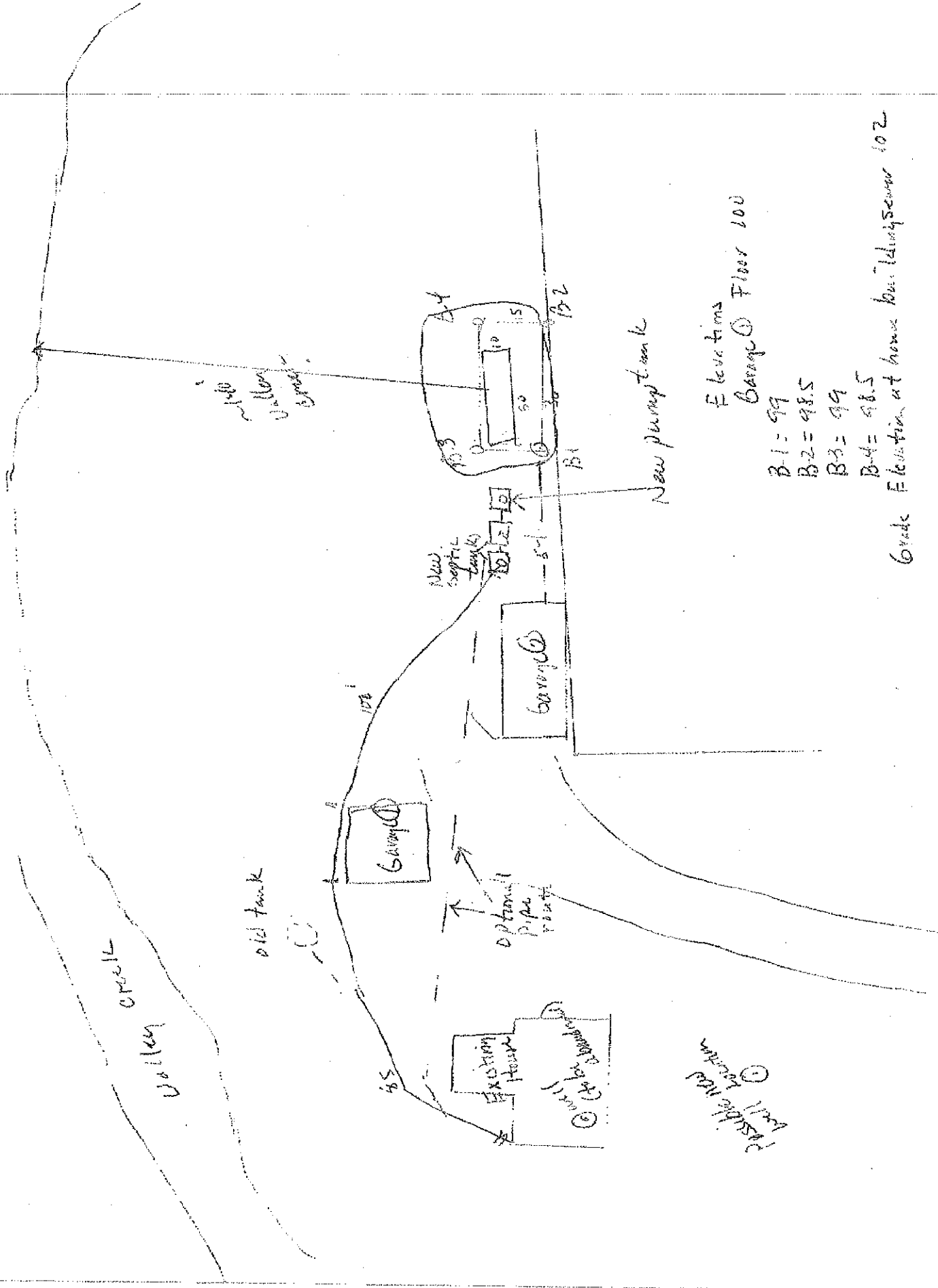
Authorized Work/Special Conditions

1. Building sewer can be no closer than 20' to well and must be pressure tested within 50 feet of well.
2. Domestic strength waste only. Industrial waste and hazardous wastes cannot enter the septic system.
3. Establish a vegetative cover over the soil treatment area within 30 days of the installation. Protect the soil treatment area from erosion until the vegetative cover is established.
4. Install individual sewage treatment system as per approved design in area tested and shown on the site plan.
5. Installer must verify head and elevation so the proper pump size is used.
6. Rock only. No chambers. No gravelless.

Permit Issue Date: 6 1 2010
 Permit Expiration Date: June 01, 2011


 Christopher W. LeClair, REHS
 Senior Environmental Specialist

14186 - Valley Creek Trail, Afton 04-05-10 NA 1 1/2 40'



Job: 14186 Valley Creek Rd. Affon

Date: 03-31-10

Depth in Feet	B1	B2	B3	B4
1	Black loamy SAND TOPSOIL	Black loamy SAND TOPSOIL	Black loamy SAND TOPSOIL	Black loamy SAND TOPSOIL
2	med. brown sand	med. brown sand	med. brown sand	med. brown sand
3	Redox - 15"	Redox 17"	redox 15"	redox 13"
4				
5				
6				
7				