

Septic System Inspection Report

161 Countryside Dr. Slinger, WI 53086 / 262-224-8998 / www.fivestar-inspections.com / fivestarsanitation@gmail.com

Date of Inspection: 8/9/2019 Inspection Number: 1641

Property Owner:

Name: _____
 Address: 5201 PLEASANT HILL RD, HARTFORD, WI 53027
 Phone: _____

System Location: Same

Address: _____
 City: _____ State: _____ Zip: _____

The septic system on this property was flow tested and monitored with tracing dye. The system operating levels were measured during the process in the septic tank and observation pipes in the absorption area. Upon finishing the flow test, the tank(s) were pumped and cleaned by Rural Sanitation Inc. The condition of the tank(s) and tank(s) components were then inspected. Inspection does not include indoor plumbing or inspecting correct discharge locations at all fixtures. Inspections are only conducted from the outside walls to the absorption field.

General Info:

Residential Commercial Year Septic System Installed if known: _____
 Number of Bedrooms: 1 2 3 4 5 6 Commercial
 Occupied: Yes No Occupants Home at Time of Inspection: Yes No

Septic Tank(s):

System Type:

Conventional Dosed Conventional Drywell Mound
 At-Grade Other

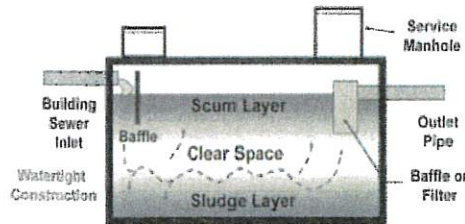
Number of Septic Tanks:

1 1-Dual Compartment 2 2-Dual Compartment

With Pump Chamber: Yes No

Construction Material:

Concrete Steel Fiberglass Concrete Block



Tank 1

Tank 1 Capacity: 1000 Gallons

Cover Exposed Above Grade Yes No
 Locking Devices Present if Above or at Grade: Yes No
 Warning Label Present & Readable: Yes No
 Tank Condition: Satisfactory Unsatisfactory
 Satisfactory with Concerns
 Inlet Baffle: Good Fair Poor Failed
 Outlet Baffle: Good Fair Poor Failed
 Appears to be Watertight: Yes No
 Root Infiltration: Yes No Minor
 Filter or Pretreatment: Yes No

*Filters should be checked every 6 months for cleaning.

Condition of Filter/Pretreatment: Good Fair Poor
 Filter Cleaned During Inspection: Yes No

Tank 2- if present Yes No

Tank 2 Capacity: _____ Gallons
 Cover Exposed Above or at Grade Yes No
 Locking Devices Present if Above Grade: Yes No
 Warning Label Present & Readable: Yes No
 Tank Condition: Satisfactory Unsatisfactory
 Satisfactory with Concerns
 Inlet Baffle: Good Fair Poor Failed
 Outlet Baffle: Good Fair Poor Failed
 Appears to be Watertight: Yes No
 Root Infiltration: Yes No Minor
 Filter or Pretreatment: Yes No

*Filters should be checked every 6 months for cleaning.

Condition of Filter/Pretreatment: Good Fair Poor
 Filter Cleaned During Inspection: Yes No

Pump Chamber: if present

Pump Chamber present: Yes No Locking Device Present: Yes No Warning Label Present: Yes No
 Tank Condition: Good Fair Poor Appears to be Watertight: Yes No Root Infiltration: Yes No Minor
 Pump Operating: Yes No High Water Alarm Functioning: Yes No Waterproof Electrical Junction: Yes No

Drainfield:

Drain-field Setback: OK Not OK Runback in Tank from Drain-field during tank pumping: Yes No Very Little
System Vent Present: Yes No System Vent Functional: Yes No Liquid in Vent Before Test: Yes No
Sludge in Vent: Yes No Liquid in Vent After Test: Yes No Sogginess In or Around Absorption Area: Yes No

Determination of Function:

Was a flow test conducted: Yes No -If so, did the operating levels stay correct in the tank? Yes No

Note: the amount of water used during test is based on the amount of estimated daily wastewater flow per bedroom of household

Is the system discharging to the surface of the ground or surface water? Yes No

Is there sewage backup into the tank or structure? Yes No

If yes is the backup due to blockage prior or beyond the septic tank? Prior Beyond

Drain-field Condition: Satisfactory Satisfactory with Concerns Unsatisfactory

*No prediction can be made as to when or if a system might fail. Performance can be altered by factors such as excessive rainfall, heavy water usage, faulty plumbing, neglect or physical damage to the system. Drain-field condition is noted on this report for only the day of the inspection.

*If residence is vacant or no water entering the septic system for a long period of time, a determination of its status is difficult and may change with daily water usage.

*A failed system consists 1 or both of the following:

- 1) System fails to accept discharge and creates backup of sewerage in residence.
- 2) Discharges of leaches sewage or effluent to ground surface, wells, aquifers, groundwater, zone of seasonal saturation, mottled soil, wetlands, drainage ditch, drain way, tile, or surface waters in any manner.
- 3) Discharges sewage or effluent to an outfall such as a drainage ditch, drain way or tile.

Comments on System: Buyer and Seller need to be aware this is an older system and problems can develop and failure may happen at any time. System is in working order at time of inspection. Site plan not on file.

OVERALL SEPTIC SYSTEM:

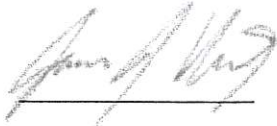
Pass Pass with Repairs Potential Pass with Repairs Fail

Is the System in working order and visibly complies with the Administrative Code SPS 383 requirements? Yes No

-if not what needs to be improved or replaced?

The information contained herein is true and correct to the best of my knowledge as observed on the date of inspection. All information reported is based on the physical visible evidence available at the time of inspection. This report shall not be construed as a warranty; either expressed or implied that the system will function properly for any particular user and cannot be held responsible for failures of the system at any period of time in the future. Five Star Inspections LLC is not liable for unknown hidden septic outlets, overflow pipes, septic drainage pipes connecting to agricultural fields, or tile lines. Proper maintenance, pumping, and conservative water usage plays a significant role for the life of the system. Some septic systems may be impacted on periodic groundwater or soil conditions that will impact the functionality of the system. This inspection doesn't include a soil and site analysis. All septic inspections are evaluated based at the time it was installed. For information and maintenance on septic systems please visit our website at www.fivestar-inspections.com

Septic Servicing Operator Certification: 82941
POWTS Maintainer ID: 1345352



Jason J. Kratz
DNR Pump Installer License: 7892
WOWRA: 2009048



Property Transfer Well(s) and Pressure System(s) Inspection

161 Countryside Dr. Slinger, WI 53086 / 262-224-8998 / www.fivestar-inspections.com / fivestarsanitation@gmail.com

Date of Inspection: 8/9/2019

Name: Address: 5201 PLEASANT HILL RD, HARTFORD, WI 53027

Report includes:

Disclaimer (current page) Form 3300-221 Visible Field Observations Well Construction Report Water Tests Results

A well and pressure system is not required at time of property transfer, but if one is conducted, it must be done by an individually-licensed well driller or pump installer (not their licensed employee). Use of this form does not imply DNR approval of the inspection or the well(s) and pressure system(s).

This form is intended to inform the buyer and seller of visible and/or known well and pressure system code violations that exist upstream of the pressure tank, which is usually located in the basement. This inspection does not include the plumbing distribution system. The inspection must include all wells on the property, not just the well currently serving the home. The well and pressure system are being evaluated based on standards in effect at time of installation; or if there were no standards in effect, then according to the standards in s. NR 812.42, Wis. Adm. Code. Licensed plumbers are not qualified or authorized to inspect the water system upstream of the pressure tank.

Form 3300-221 lists all potential violations and item of concern that the licensed well driller or licensed pump installer must evaluate during an inspection. Any box in section 3 "checked" by the inspector indicates a violation of the state well and pump code. That means, if DNR staff viewed the violation(s), it would require correction at the well owner's expense. Any corrective work must bring the feature into compliance with current Ch. NR 812 standards. It is possible that some violations can only be corrected by drilling a new well.

Some well and pressure system violations will not be discovered because they are beyond the scope of the minimum inspections required by Ch. NR 812 and that is provided with this form. Most features of the well, and many contaminated sources, are buried and cannot be observed without opening the well or excavating the ground. During a minimum inspection there is no requirement for: removal of the well cap or seal; measurement of casing dept below ground; verification that grout is present in the space around the casing; excavation to find the edge of the septic system or other potential below ground contaminant sources such as a landfill; or a search using a magnetic locator to find an old well. To evaluate these features requires additional investigation and equipment and thus, additional cost. Other features simply cannot be practically determined after the well has been finished.

Inspections must include a diligent search for unused or noncomplying wells that must be properly filled and sealed. Unused or noncomplying wells that are not filled and sealed with approved materials are serious violation because they are a pathway for contaminants to enter the ground and ruin the drinking water well, neighboring well, or the aquifer. Unless those wells are found, and properly filled and sealed, the entire well and pressure system on the property violates code.

Some inspections may include an evaluation of the condition/capacity/performance of the well and pressure system, although this is not required by law. No one can predict when a pump or pressure tank will fail or when groundwater levels will drop, requiring a new well; deepening of the existing well; or lowering the pump setting.

The well and pressure system on this property may or may not produce enough water to meet your expected water needs. Additional residents, the installation of plumbing fixtures that use lots of water, or sprinkling systems may affect the performance of the well and life of the pressure system. Not all wells are created equal. Generally speaking, six-inch diameter drilled wells can produce more water than driven point wells; and wells in areas of granite bedrock tend to produce less water.

When there is an inspection, the inspector must collect the water samples to be tested for coliform bacteria, nitrate, and arsenic by a Wisconsin-certified laboratory. Lending institutions may require additional water tests.

Correction of any violations found during the property transfer inspection are a matter to be resolved between the buyer and seller.
The Wisconsin DNR and the EPA recommend that you test your water for coliform bacteria annually.

Property Transfer Well(s) and Pressure System(s) Inspection

Form 3300-221 (R 10/14)

Notice: Pursuant to ch. 280, Wis. Stats., and ch. NR 812, Wis. Adm. Code, this form shall be used to document any well and pressure system inspection conducted as part of a property transfer. Inspections are voluntary, and well owners are not required to bring systems into compliance as a result of the inspection. Inspectors must provide the completed form to the requester of the inspection. Do not send forms to DNR.

Contact Information			
Inspection Requested By		Telephone Number	
Mailing Address	City	State	ZIP Code
5201 PLEASANT HILL RD	HARTFORD	WI	53027
Owner's Name		Telephone Number	
Mailing Address	City	State	ZIP Code

Property Location			
County of Water System Location	Grid or Street Address or Road Name and Number (if available)	City	ZIP Code
Washington <input checked="" type="checkbox"/>	5201 PLEASANT HILL RD	HARTFORD	53027
Township	Gov't Lot #	Section	Town
RICHFIELD	1/4 of the	7	9 N
			Range E/W
			19 E
Unique Well Number			

Known Noncomplying Features

Identified noncomplying features are noted below with a check mark.

- | | |
|--|---|
| <ul style="list-style-type: none"> 1. <input type="checkbox"/> Unused Well Should be Filled and Sealed 2. <input type="checkbox"/> Stovepipe or Thin-Walled Casing 3. <input type="checkbox"/> Dug Well 4. <input type="checkbox"/> Unprotected Buried Suction Line 5. <input type="checkbox"/> Alcove (Subsurface Pumproom) or Pit 6. <input type="checkbox"/> Non-Walkout Basement or Below-Grade Crawl Space Well 7. <input type="checkbox"/> Poor Casing Condition (Badly Corroded or Cracked) 8. <input type="checkbox"/> Contaminant Source less than minimum separation distance from well: _____ 9. <input type="checkbox"/> Well in Floodway or Flood Fringe 10. <input type="checkbox"/> Well at Risk from Localized Flooding 11. <input type="checkbox"/> Cross-Connection 12. <input type="checkbox"/> Driven Point Well (installed after 1-31-1991) without construction report 13. <input type="checkbox"/> Nonpressure Conduit | <ul style="list-style-type: none"> 14. <input type="checkbox"/> Hand Pump 15. <input type="checkbox"/> Offset Pump or Piping Height < 12" Above Floor 16. <input type="checkbox"/> Yard Hydrant 17. <input type="checkbox"/> Materials for Pump and Supply Piping 18. <input type="checkbox"/> Flowing Well Installation 19. <input type="checkbox"/> Check Valve Location 20. <input type="checkbox"/> Well Cap or Seal 21. <input type="checkbox"/> Casing Height 22. <input type="checkbox"/> Electrical Wires Not Properly Enclosed in Conduit 23. <input type="checkbox"/> Sample Faucet is Missing or Incorrect 24. <input type="checkbox"/> Casing less than 6" in diameter for a well in limestone, dolomite, shale, quartz or granite 25. <input type="checkbox"/> Health/Safety Hazard |
|--|---|

Comments

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Pre-1991 Driven Point Pipe Depth < 25 feet <input type="checkbox"/> Well Construction Report Not on File or Unlocatable <input type="checkbox"/> Well Located in Special Well Casing Depth Area <input type="checkbox"/> Pre-1979 Two-Wire Submersible Pump <input type="checkbox"/> Evidence of Some Corrosion on Well Casing Pipe | <ul style="list-style-type: none"> <input type="checkbox"/> Inaccessible or Difficult Location for Future Well Work <input type="checkbox"/> Inaccessible or Difficult Location for Future Pump Work <input type="checkbox"/> Non-Vermin-Proof Well Cap or Well Seal <input type="checkbox"/> Other: |
|---|--|

Based on my personal inspection of the real property, the well(s) and pressure system(s): **Complies** with Wis. Adm. Code.
 Does not comply

More comprehensive or additional research is needed regarding:
 an unused well floodways/floodplains contaminant sources other:

This form lists the visible conditions of the well(s) and pressure system(s) on the property at the time of inspection and does not imply or give any guarantee.

Signature of Licensed Water Well Driller or Pump Installer	Individual License #	Date	Telephone Number
	7892	8/9/2019	262-224-8998



Property Transfer Well(s) and Pressure System(s) Inspection

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Visible Field Observations

Name:

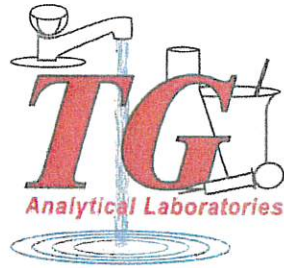
Address: 5201 PLEASANT HILL RD, HARTFORD, WI 53027

- Well and pressure system **complies** with ch. NR812 in effect at time of installation, or if installed before April 10, 1953, to s. NR 812.42, Wis Adm Code
- Well and pressure system **does not comply** with ch. NR 812 in effect at time of installation, or if installed before April 10, 1953, to s. NR 812.42, Wis Adm Code.
- Complies with NR812, Wis. Adm. Code. A more comprehensive search or additional research is needed to evaluate potential violations that may exist but are not fully identifiable as part of the basic visual inspection.

- Well Service Type:** Private Private Shared Community Municipal Public
- Type of Well:** Drilled Driven Point/Jetted Dug Spring* Surface Water* (*requires DNR evaluation)
- Well Location:** Outside Basement Under Deck Pump House Crawl Space
- Pit / Alcove* (*Extra form will be attached with report regarding approval)
- Setbacks:** OK Not OK **Well in Floodplain:** Yes No
- Access for Servicing:** Good Fair Poor Inadequate
- Casing Material:** Steel **Casing Terminates at Approved Height:** Yes No
- Well Cap (Vermin Proof Highly Recommended):** Vermin-Proof Overlapping Cap Other Broken
- Pump Location:** In Well On Well Building Pit/Alcove In Crawl Space In Pump House
- Well Discharge Piping:**
- Pitless Adapter Non-pressurized Piping Pressurized Piping Buried Unprotected Suction Line Above Ground
- Pump Type:** Submersible Shallow Jet Deep Jet Turbine
- Pressure Tank Condition:** Satisfactory Satisfactory with Concerns Unsatisfactory
- Approved Sample Faucet at Pressure Tank:** Yes No
- Pump Control Wiring Properly Enclosed:** Yes No
- Illegal Check Valve Upstream of Pressure tank:** Yes No

-Below are comments / violations (if any) noted on this property for the well system regarding form 3300-221. Correction of any violations found during the property transfer inspection are a matter to be resolved between the buyer and seller.

TG Analytical Laboratories
 N1022 Quality Dr
 Greenville, WI 54942



Five Star Inspections
 161 Countryside Dr
 Slinger, WI 53086

Water Analysis Report

License #7892

Unique Well Number:		Date of Sample Collection:	August 9, 2019
Owner/Facility:		Time of Sample Collection:	9:00 AM
Address:	5201 Pleasant Hill Rd	Date Received:	August 9, 2019
City, State Zip:	Hartford, WI	Report Date:	August 13, 2019
Phone Number:		Collected By:	Five Star Inspections
Lab Sample ID:	20191880	Received By:	LAR
Well Address/ID:			

Test	Result	Interpretation	LOD/LOQ (mg/L)	Method	Test Date	Analyst
Total Coliform	Absent	"SAFE"	N/A	SM9223B	8/10/2019	LAR
E-Coli	Absent					
MCL is >1 cfu/100mL						
<small>Total Coliforms are bacteria that are naturally present in the environment and used as an indicator that other, potentially harmful Bacteria may be present. E. coli are bacteria whose presence indicates that water may be contaminated by human or animal Wastes. Microbes in these wastes can cause short term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms.*</small>						

Test	Result (mg/L)	Interpretation	LOD/LOQ (mg/L)	Method	Test Date	Analyst
Nitrate - N	8.6	"SAFE"	0.120/0.400	EPA300.0	8/9/2019	LAR
MCL = 10 mg/L						
<small>Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome. Sources of Nitrate include runoff from fertilizer, leaking from septic tanks, Sewage, and erosion of natural deposits.</small>						
Data Qualifier:		A		Dilution Factor:		10

Test	Result (µg/L)	Interpretation	LOD/LOQ (µg/L)	Method	Test Date	Analyst
Arsenic - As	ND	"SAFE"	0.85/2.8	SM3113B	8/12/2019	LAR
MCL = 10 µg/L						
<small>Consumption of water with Arsenic levels exceeding the MCL may cause skin damage, problems with the circulatory system, and an increased risk of cancer. Some main sources of Arsenic include erosion of natural deposits, runoff from orchards, and runoff from glass & electronic production waste water.*</small>						
Data Qualifier:		A		Dilution Factor:		1

List of Abbreviations:

LOD = Limit of Detection
 LOQ = Limit of Quantification
 MCL = Maximum Contamination Level
 ND = None Detected. Results less than the LOD
 Z = Result between LOD and LOQ
 1 mg/L = 1 part per million (ppm)
 1 µg/L = 1 part per billion (ppb)

List of Data Qualifiers:

A=All QC Passed, B=method blank>LOD, C=chlorine present, D=sample between LOD and LOQ, E=not enough sample, F=gross deficiencies in QC, G=spike or spike duplicate out of spec, H=A check standard out of spec, I=blank>LOD, J=ICV out of spec, K=sample exceeds holding time limit, L temperature not in range, M=sample container doesn't meet requirements, N=blank>LOQ, O=holding time >30 hours but <48hours, P=sample less than 100mL for coliform analysis, Q=SD>20%, R=misc.

*The above information was obtained from the Environmental Protection Agency's internet web page, www.epa.gov/safewater. Documentation for this analysis is maintained for five years and then will be disposed of.

Comments:

Dan Schlenz

Dan Schlenz, MWS
 Lab Director
 Lab #105-452

WDNR Certification #445158340
 WDATCP Certification #142250-D3



Lien Waiver

161 Countryside Dr. Slinger, WI 53086 / 262-224-8998 / www.fivestar-inspections.com / fivestarsanitation@gmail.com

Our Contract with _____ to provide services for the property located at

5201 PLEASANT HILL RD, HARTFORD, WI 53027

has been fully paid and satisfied, all lien rights against said property are hereby waived and released.

A handwritten signature in black ink, appearing to read "Jason J. Kratz", is written over a light blue horizontal line.

Jason J. Kratz

8/9/2019

Date