

PLEASE MAKE FULL PAYMENT TO:

INVOICE

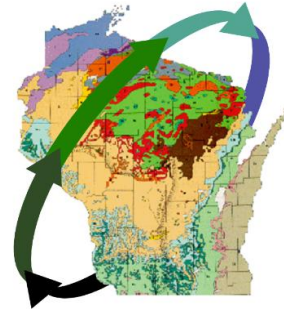
BRANCH RIVER TESTING SERVICE, LLC
693 LAMERS-CLANCY RD.
GREENLEAF, WI 54126

DATE:	10/3/2024
INVOICE #:	24-448
DUE DATE:	10/18/2024

Phone: (920) 532-0016

CLIENT:

Nicole Wooton
3202 Mirro Drive
Manitowoc, WI 54220



Property Address: 3202 Mirro Drive

Quantity	Job Description	Amount
1	Existing Septic System Inspection	\$355.00
1	Well & water pressure system inspection with:	
	Bacteria, Nitrates, Arsenic test results	\$345.00

Total:	\$700.00
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*Credit Card payment accepted. Go to
click Online Payment-Pay My Invoice.*

www.branchrivertesting.com

Notes:

We appreciate your business. If we can be of any further service, please do not hesitate to call. Thanks again.

IN REGARDS TO LIEN LAWS: Notice is hereby given that Branch River Testing Service intends to file lien if the owner of said property fails to pay for material and labor within the time limits set by law, together with cost and interest. We reserve the right to withhold an original soil test from the appropriate filing agency until payment is received in full.

MANITOWOC COUNTY

EXISTING PRIVATE SEWAGE SYSTEM INSPECTION REPORT

IS THE SYSTEM FAILING BASED ON 145.245(4) WI ADM CODE?
ARE REPAIRS NECESSARY?

No	☒	Yes	☐
No	☒	Yes	☐

PROPERTY INFORMATION:

OWNER OR AGENT: Nicole Wooton
PHONE NUMBER: 920-905-5750

MAILING ADDRESS: nicole@boldblazergroup.com

PROPERTY OWNER: John Richart

PROPERTY ADDRESS: 3202 Mirro Dr.
Manitowoc, WI 54220

LEGAL DESCRIPTION: NE1/4 NW1/4 S9 T19N R24E

CITY: Manitowoc

LOT# na CSM: na SUBD: na

TAX PARCEL NUMBER: 052-809-201-011.00

BUILDING/DWELLING USE: Residential

CODE DERIVED DAILY FLOW: 600 GPD

NUMBER OF BEDROOMS IF RESIDENTIAL: 4

SYSTEM INFORMATION

SANITARY PERMIT #: 616242

COUNTY PERMIT #: S-155-20

DATE OR YEAR OF INSTALLATION IF KNOWN: 2020

HOW MANY PEOPLE HAS THE SYSTEM TYPICALLY SERVED:

HAS THE HOME BEEN VACANT FOR ANY AMOUNT OF TIME: YES: OR NO: X

PRIVATE SEWAGE SYSTEM INSTALLER (IF KNOWN): Susan Schambureck

SYSTEM TYPE: Mound System

CELL CONFIGURATION (IF KNOWN): 6' X 100' Cell

TANK INFORMATION

SEPTIC/HOLDING TANK SIZE: 1530 gal Infiltrator

PUMP CHAMBER SIZE: 1094 gal Infiltrator

SEPTIC TANK 1/3 FULL OF SOLIDS: NO

DATE TANK LAST PUMPED: 10/30/2023 PUMPER NAME: Maritime Liquid Waste Transport

TANK MATERIAL: Plastic

TANK CONDITION: Satisfactory for continued use.

BAFFLE CONDITION: All applicable baffles intact

FILTER TYPE (IF APPLICABLE): PL525

ALARMS/LOCKS/CHAINS/WARNING LABEL CONDITIONS: All intact and working properly. Alarm is located next to tanks.

ABSORPTION AREA

IS THE AREA OF THE SYSTEM SOFT OR SPONGY? YES: OR NO: X

IS LIQUID EVIDENT IN THE VENT OR OBSERVATION TUBES? YES: OR NO: X

IS ALL GREY-WATER FROM THE HOUSE CONNECTED TO THE SEPTIC SYSTEM? YES: X NO:

IF NOT, WHERE IS IT GOING?

DETERMINATION OF A FAILING SYSTEM

Section 145.245 (4), Stats., reads: "A failing private sewage system is one which causes or results in any one of the following conditions: (a) the discharge of sewage into surface waters or groundwater; (b) the introduction of sewage into zones of saturation which adversely affects the operation of the private sewage system; c) the discharge of sewage to a drain tile or into zones of bedrock; (d) the discharge of sewage to the surface of the ground; (e) the failure to accept sewage discharges and backup of sewage into the structure served by the private sewage system."

*DOES THE SYSTEM DISCHARGE WITHIN THREE FEET OF GROUNDWATER? YES: _____ NO: x

*DOES THE SYSTEM DISCHARGE TO A ZONE OF SATURATION THAT ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM? YES: _____ NO: x

*DOES THE SYSTEM DISCHARGE TO A DRAINTILE? YES: _____ NO: x

*DOES THE SYSTEM DISCHARGE TO THE SURFACE OF THE GROUND? YES: _____ NO: x

*DOES THE SYSTEM DISCHARGE TO SURFACE WATERS? YES: _____ NO: x

*DOES THE SYSTEM DISCHARGE WITHIN THREE FEET OF BEDROCK? YES: _____ NO: x

*DOES THE SYSTEM FAIL TO ACCEPT SEWAGE AND BACKUP INTO THE STRUCTURE? YES: _____ NO: x

IS THERE A VALID SOIL EVALUATION ON FILE WITH THE COUNTY ZONING OFFICE? YES: x NO: _____

SOIL BORING INFORMATION (if required) [Conduct boring in the vicinity of the absorption cell(s)]

Depth to Infiltrative Surface:

HORIZON	DEPTH (IN.)	DOMINANT COLOR MUNSELL	REDOX DESCRIPTION QU. SZ. CONT. COLOR	TEXTURE	STRUC. GR.SZ.SH.	Consistence	ROOTS	GPD/SQ.FT.	
								EFF#1	EFF#2

*Effluent #1=BOD5 >30 <220 mg/L and TSS >30 <150 mg/L

*Effluent #2=BOD5 <30 mg/L and TSS <30 mg/L

DEPTH TO LIMITING FACTOR: _____ INCHES SOIL APPLICATION RATE AT INFILTRATIVE SURFACE: _____ GPD/SQ.FT.

CSTM NAME: _____ CSTM #: _____

SITE DIAGRAM

ATTACH A DETAILED SITE DIAGRAM SHOWING ALL SETBACKS, LOCATION OF TANKS, ABSORPTION FIELD(S) AND STRUCTURES. ELEVATIONS WITH A BENCHMARK MUST BE SHOWN TO DETERMINE SEPARATION TO ANY SOIL LIMITATION.

COMMENTS & RECOMMENDATIONS:

I could not locate the North-Western observation port. The South-Eastern port was dry and I did not see any indication of oversaturation. The mound appeared to be extremely compacted. I recommend mowing the mound with a smaller piece of machinery. There are several animal burrows that should be filled in on the mound.

Complete soils data is on file with the County Planning/Zoning authority.

The information on this evaluation reports observations made on the date of the evaluation only. This evaluation does not grant any warranty, expressed or implied. Branch River Testing Service, LLC can not be held responsible for any future system performance.

Inspector: Matt Maitland-Branch River Testing Service, LLC Signature: Matt Maitland Date: _____

Customer ID#: 1514744 Telephone: (920) 532-0016

Property Transfer Well(s) and Pressure System(s) Inspection
Form 3300-221 (R 11/19)

Notice: Pursuant to ch. 280, Wis. Stats., and ch. NR812, Wis. Adm. Code, this form shall be used to document and 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 Nicole Wooton	Telephone Number 920-905-5750
Mailing Address	City State ZIP Code

nicole@boldblazergroup.com	
Well Owner's Name John Richart	Telephone Number
Mailing Address	City State ZIP Code

3202 Mirro Dr.	Manitowoc, WI 54220
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Property Location					
Fire Number	Street or Road	X	City	Town	County
3202	Mirro Dr.		Village of Manitowoc		Manitowoc
1/4 1/4	1/4 Section Township Range	Latitude	Longitude	Unique Well Number	
NE1/4 NW1/4 S9 T19N R24E		44.1369	87.631	AAG244	

Identified non complying features (noted below with a check mark)	
1. ☐ Unused Well	13. ☐ Nonpressure Conduit
2. ☐ Stovepipe or Thin-Walled Well Casing	14. ☐ Hand Pump
3. ☐ Dug Well	15. ☐ Offset Pump or Piping Height Above Basement Floor
4. ☐ Buried suction line	16. ☐ Yard Hydrant
5. ☐ Alcove (Subsurface pumphouse) or Pit	17. ☐ Materials for Pump and Supply Piping
6. ☐ Non-Walkout basement or Below-Grade Crawl Space Well	18. ☐ Flowing Well Installation
7. ☐ Poor well Casing Pipe Condition	19. ☐ Check Valve Location
8. ☐ Contamination Source less than minimum separation distance from well: _____	20. ☐ Well Cap or Seal
9. ☐ Well in Floodway or Flood Fringe	21. ☐ Casing Height
10. ☐ Well at Risk from Localized Flooding	22. ☐ Electrical Wires at Wellhead Not Enclosed in Conduit
11. ☐ Cross-Connection	23. ☐ Sample Faucet is Missing or Noncomplying
12. ☐ Driven Point Well <25 well casing pipe or installed after 1-31-1991 with no well construction report	24. ☐ Casing less than 6" in diameter for a well terminating in limestone, dolomite, shale, quartz or granite
	25. ☐ Extreme Health/Safety Hazard

Comments

☐ Pre-1991 Driven Point Pipe Depth <25 feet	☐ Inaccessible or Difficult Location for Future Well Work
☐ Well Construction Report Not on File or Unlocatable	☐ Inaccessible or Difficult Location for Future Pump Work
☐ Well Located in Special Well Casing Depth Area	☐ Non-Vermine-Proof Well Cap or Well Seal
☐ Pre-1979 Two-Wire Submersible Pump	☐ Unable to confirm whether well terminates in limestone, dolomite, shale, quartz or granite
☐ Evidence of Some Corrosion on Well Casing Pipe	☒ Other: Flowing well

Compliance Determination

Based on my personal inspection of the real property, the well(s) and pressure system(s):

☒ Complies with NR 812, Wisc. Adm. Code
☐ Does not comply with NR 812, Wisc. Adm. Code
☐ Complies with NR 812, Wisc. Adm. Code, except that a more comprehensive search or additional research is needed to evaluate potential violations that may exist but are not full identifiable as part of the basic visual inspection, such as:

☐ an unused well ☐ floodways/floodplains ☐ contamination 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. Some features such as well cap, casing height or nonpressure conduit may comply for purposes of this inspection, but may require an upgrade the next time work is done on the well or pressure system.

Signature of Licensed Water Well Driller or Pump Installer: <i>Matt Maitland</i>	Individual License # 9082	Date 10/3/24	Telephone Number (920) 532-0016
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Property Transfer Well (s) and Pressure System (s)
Visible Field Observations
Guidelines for the Evaluation of Well (s) and Pressure Systems

Source Information									
Source				* Requires DNR Evaluation		Wisconsin Unique Well Number		AAG244	
X Drilled Driven Point/Jetted Dug Spring*				Well serves <u>1</u> # of homes and/or		High Capacity Well		High Capacity Property	
Well not in used (tavern, barn, restaurant, etc.)				Yes		No		X	

Visible Well Data									
Well Depth		200		FT		Data from		X	
Casing Depth		79						Well Construction Report	
								Pump Installer	
Approx. Year Well Constructed		2020		Well Location		Outside			
Casing Diameter		6		Inches		Well Terminates		X Above	
						>12"		Below	
								Floor	
								X Outside Grade	
Cap Type		Overlapping		X		Vermi-Proof		Well Seal	
								Broke	
								Comments:	
Wires Enclosed		Wellhead		Yes		Well in Floodway/Floodplain/Flood		Well properly separated from contamination sources	
		Tank		Yes		Yes		from adjacent property?	
						X		No	
								Yes	

Partial list of the most common separation distances for complete list see code. Separation Distance from well as required under current NR812.08, Wis Adm. Code-See code for current separation distances

Check 1st box if present on property; enter distance in feet to well in 2nd box

Present	Distance (Ft)		Present	Distance (Ft)	
X	>25	Septic/Holding Tank			Wastewater Sump
X	>50	Absorption field/Mound System			Noncomplying Pit
		Grease Trap			Barn Gutter or Animal Barn Pen
		Collector Sewer >6" (# of units served ____)			Manure Pipe
		Gravity Building Sewer			Animal Yard or Shelter
		Pressure Building Sewer			Manure Stack
		Pressure Building Sewer (non-plumbing materials)			Temp. Manure stack
		Buried Sewerage Drain (Plumbing Materials)			Silo 50ft
		Buried Sewerage Drain (non-commercial materials)			Kennel <5 pets
		Yard Hydrant			Kennel >5 pets
		Buried Petroleum Tank			Other Manure Structure
		Buried Home Heating Oil Tank			Salt, Deicing Storage
		Surface Fuel Oil Tank >1500 gal			Silage or Silo
		Swimming Pool			Other
		Ditch			

Does owner have a variance for separation distance?					Are downspouts and surface water flow directed away from the well?				
	Yes		No	X	N/A		Yes	X	No

Pump/Supply Line Data									
Pump Location		In Well							
Pump Type		230 Volt 3/4 HP 2 wire Submersible							
Sample Faucet Location		X	Before		After	Sample Faucet Height	>12	Inches	Pump Operational
		X	Pressure Tank			Sample Faucet Type	Smooth		X
Flow Rate		10	GPM for	30	Minutes	Installation Date	2020	Pipe Material Upstream of Pressure Tank	
								HDPE, Copper, Brass, PEX	

Other	
Comments:	Current pressure switch settings are 40 psi ON and 60 psi OFF. Pressure tank air charge set to 38 psi at time of inspection.
This well is a flowing well. A drainage tile is used to drain the excess water. This tile goes towards the ditch. Please make sure to keep the drainage line clear, it is located on the side of the casing.	

Inspector:	Matt Maitland
	Branch River Testing Service, LLC
Date of inspection	10/1/2024

License Number	9082
Telephone	(920) 532-0016

693 Lamers Clancy Rd., Greenleaf, WI 54126 (920) 532-0016

Property Owner John Richart
Well ID/Address 3202 Mirro Dr.
Well City Manitowoc
Sample Location Pressure Tank Tap
Reason for Test Property Transfer
Collected By (Date/Time) MM 10/1/24@10 AM

Report Date: 10/3/2024

Analyte	Results	Units	LOD	LOQ	Dil	Run Date	MTHD	Analyst	QC Code
Coliform Bacteria	SAFE	1CFU-100 ML				10/1/2024	1	MM	2
Ecoli Bacteria	SAFE	1CFU-100 ML					1		2

Bacteria refers to a group of organisms called Total Coliforms. Not all coliform bacteria are harmful. However, the presence of coliforms in drinking water indicates that other more harmful strains of bacteria may be present. Coliform bacteria are not normally found in groundwater aquifers considered safe to drink. When coliform is found to be present in drinking water, a second test for the presence of fecal coliforms (E.coli) is performed. The source of coliform bacteria is typically from cold blooded organisms. Fecal coliforms are derived from warm blooded organisms. At any rate, the presence of bacteria in well water must be eliminated prior to human consumption.

Nitrate (NO3)	None Detected	mg/L	0.130	0.432	1	10/2/2024	3	TM	2
		ppm	ppm						

Nitrates can be naturally found in drinking water at low levels (<1.5 mg/L). Elevated levels of Nitrates in drinking water can be a result of improper agricultural practices or failing septic systems in the area. Areas where a shallow depth to bedrock (Karst features) or excessively permeable soils over a shallow depth to groundwater can be especially susceptible to Nitrates contamination. An improperly sited, grouted, or short cased well can also result in a Nitrates contamination. The DNR recommended upper limit for Nitrates in drinking water is 10 mg/L.

Arsenic (As)	1.11	ppb	0.294	0.979	1	10/2/2024	3113B	TM	2
		ppb	ppb						

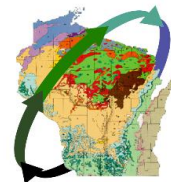
Soluble inorganic Arsenic (As+3, As+5) can be naturally found in certain types of bedrock formations where water wells draw from. Arsenic can be present but only caused to release into water after many years. This is believed to be caused when the water table drops and the bedrock becomes exposed to oxygen. It can also be released by reacting with chlorine after strong well disinfection. Prolonged ingestion of Arsenic in excess of the EPA maximum Contaminant Level (MCL) may cause skin disease, circulatory system issues, and cancer. The EPA MCL for Arsenic is 10 ppb.

LOD-Limit of Detection None Detected- Result was less than LOD LOQ- Limit of Quantitation

Code Comment

- 1 MMO-MUG (Colilert) Presence/Absence
- 2 All Laboratory QC requirements were met for this sample
- 3 Hach 10802
- 4 Hach TNT839

Laboratory Director



There may be recommendations and/or minor repairs suggested in the comments section(s) of the reports.

Note: Branch River Testing Services LLC shall retain all water sample records for a minimum of 5 years.

Additional Comments: