

WALWORTH COUNTY DEPARTMENT OF HEALTH AND HUMAN SERVICES

Division of Public Health: Water Laboratory

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**Walworth County
Public Health**
Prevent. Promote. Protect.

LABORATORY REPORT

Report To: Channing Well
Clover Valley Rd
Whitewater, WI 53190

Report Date: April 28, 2015

System Name:	Channing Well	
PWS ID:	26509472	
EP ID:	1	
WIUWN:	PT515	
Well Address:	Clover Valley Rd	
Well City:	Whitewater	
Collected By/Date:	E Bergstrom	4/20/2015

Microbiology		Method: SM9223-Enzyme Substrate, Colilert		
Sample Location: Spigot	Sample Source: D	Sample Type: D		
Analyte	Result	Interpretation	Analysis Date	Sample Id Number
Coliform	Absent	Safe	4/21/2015	2015-100
<p><u>General Information:</u> Coliform bacteria are present in the environment and are unlikely to cause illness. However, their presence in drinking water indicates that disease-causing organisms could be in the water system. If only coliform bacteria are found the contamination is probably environmental and unlikely to be fecal contamination. However, if environmental contamination can enter the water system, disease causing pathogens could get in too. It is important to find and resolve the source of the contamination.</p>				
E. coli	Absent			
<p><u>General Information:</u> Fecal coliform (E. coli) are a sub-type of coliform bacteria commonly found in the fecal waste of people and animals. The presence of fecal coliform (E. coli) in drinking water may indicate recent contamination by fecal waste. This means that there is a greater chance that disease causing organisms are present in the water system and efforts should be made to identify the source of the contamination. It is recommended that if fecal coliform are found in your water system you use an alternative source of water, or boil the water rapidly for :60 seconds, prior to use for drinking, preparing food, and brushing teeth.</p>				

Inorganic		Method: SM4500-NO3-D, Nitrate Electrode				
Sample Location: Spigot	Sample Source: E	Sample Type: D				
Analyte	Result (mg/L)	Interpretation	Analysis Date	Sample Id Number	LOD	LOQ
Nitrate	ND	Safe	4/22/2015	2015-106	0.500	1.00
<p><u>General Information:</u> Nitrate in drinking water may be naturally occurring below 2.0 mg/L. Above this level the nitrate source is likely an indication of nutrients entering the ground due to human activities; such as fertilizing, agriculture, and industry. The maximum contamination level set by the EPA is 10.0 mg/L. At that level no children under the age of 2 or pregnant or nursing women should consume the water. Recent studies suggest that nitrate levels of 5.0 mg/L may cause birth defects and so it is recommended that women who are or may become pregnant not consume this water (RESTRICTED USE RECOMMENDED)</p>						
Abbreviations:						
ND	None Detected					
LOD	Limit of Detection (mg/L)					
LOQ	Limit of Quantitation (mg/L)					

For More Information on Water Quality visit Walworth County Public Health at www.co.walworth.wi.us

Laboratory Director: *Erica Bergstrom*

DNR Certification # 265178210
DATCP Certification # 105-499