

ANNEX

**TOWN OF BERLIN
WATER DISTRICT #2**
PO Box 307
Berlin, NY 12022
Phone: 518-658-2162

May 20, 2013

We are pleased to provide you with the Annual Consumer Confidence Report for the water that you drink, as required by the New York State Health Department and Federal Laws. Once again, we are proud that the Town of Berlin Water District #2 continues to meet all applicable State and Federal water quality standards.

Following the September 11, 2001 terrorist attack on America, our ways of doing business have dramatically changed with all Water Department facilities locked down in order to protect the drinking water for the 180 residents of the Town of Berlin Water District #2. This high level of security will continue indefinitely.

The Town of Berlin Water District #2 have made numerous changes in 2012 to the water system, such as finding many more service connections and installing risers to make the more accessible, replacing sections of pipe. The Highway Department has spent approximately 100 Man hours on improving the Town of Berlin Water District #2 within the last year.



James A. Winn
Highway Superintendent
Town of Berlin

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Contaminant	violation	date of sample	level detected	measure	MCL G	MCL TT or AAL
Total coli form E- Coli		1/20/11 6/14/11 9/29/11 12/27/11 12/26/12 9/28/12 6/28/12 3/5/2012	neg. to all	per 100 ML	0	MCL 5
Nitrate 10.0	no	3/7/2012	2.4	Mg/l	n/a	MCL
Nitrate	no	12/20/11	<0.01	MG/L	n/a	MCL 10.0
Copper	no	9/29/11	0.03 <0.02 0.02 0.21 <0.02	Mg/L	na	
Lead	no	9/29/11	<0.001	Mg/L	na	
Sodium	no	12/27/11				
SOC VOC IOC	no	12/27/11				
HAAJ		6/27/05 3/23/05				
HAA5	no	9/19/06	radium 228 Radium 226		6/30/08 2/22/08	

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ANNUAL CONSUMER CONFIDENCE REPORT (CCR) for the year 2012

Introduction:

To comply with State and Federal regulations, the Town of Berlin is responsible for the operation of your water District #2. The purpose of the report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year your tap water met all State drinking water standards. We are proud to report that our system had no violations of a maximum contaminant level in the 2005 reporting year. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains and how it compares to State standards.

If you have any questions about this report of concerning your water, please contact James Winn, Superintendent of Water District #2, Town of Berlin, at 518-658-3077. We want you to be informed about your drinking water. If you want to learn more, please attend any of our monthly scheduled Town Board Meetings which are held at the Berlin Town Hall, located on Main Street in Berlin on the second Thursday of every month at

7: 30 PM or you may contact the Rennselaer County Health Department at 518-270-2644.

Where does our water come from:

In general, the sources of drinking water include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves; naturally occurring minerals and can pick up substances resulting from the presence of animal or human activities. Contaminants that may be present in source water include: microbial contaminants, inorganic contaminants, pesticides and herbicides, organic chemical contaminants and radioactive contaminants. In order to ensure that the water is safe to drink, the State and the EPA prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The presence of contaminants does not necessarily indicate that water poses a health risk.

Our water sources are three drilled wells, eighty feet each and we have a Two Hundred Sixty-five Thousand gallon water storage tank.

The water treatment is a disinfection (Chlorine) Chlorine is added as a residual disinfectant to maintain microbiological quality throughout the Distribution System.

Fact and Figures:

Our water system serves One Hundred Eighty residences. The total number of gallons pumped for the year 2012 was 8,3424,000.

Are there contaminants in our drinking water?

As the State regulations require, we routinely test your drinking water for numerous contaminants. The contaminants include: total chloroform, inorganic compounds, nitrate, lead, and copper and volatile organic compounds.

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Samples were taken at: Berlin Fire House, Bank of America, Cash Market, Hewitt's Store, 18274 Rt. 22, Stewart, at several locations on Main Street, Green Hollow Road, Plank Road and other locations within the Water District.

Notes and Definitions:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible.

Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements, which a water system must follow.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Milligrams per liter (mg/L): Corresponds to one part of liquid in one million parts of liquid (parts per million-PPM).

Picouries per liter (pCi/L): A measure of radioactivity in water.

Berlin Water District #2

NY4104503

AWQR Summary 2012

The NYS DOH has completed a source water assessment for this system, based on available information. Possible and actual threats to the drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminant can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See section "Are there contaminants in our drinking water?" For a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from 3 drilled wells. The source water assessment has rated these wells as having a medium high susceptibility to microbial, nitrates, industrial solvents and other industrial contaminates. These ratings are due primarily to the close proximity of permitted discharge facilities (industrial/commercial facilities that discharge wastewater in to the environment and are regulated by the state and/or federal government) to the wells in the assessment area. In addition, the wells draw from an unconfined aquifer of unknown hydraulic conductivity and the overlying soils are not known to provide adequate protection from potential contamination.

While the source water assessment rates our wells as being susceptible to microbials, please note that our water is disinfected to ensure that the finished water delivered into your home meets New York State's drinking water standards for microbial contamination.

A copy of the assessment, including a map of the assessment area, can be obtained by contacting us as noted below.

Any and all questions about this report should be addressed to NYSDOH 518-404-7712.

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Non detected contaminants;

According to state regulations, the Town of Berlin water district #2 routinely monitors your drinking water for various contaminants. Your water is tested for inorganic contaminants, nitrates lead and copper. Volatile organic contaminants, synthetic contaminants detected in your drinking water are included in the Table of Detected Contaminants.

What does this information mean?

We have learned through our testing that some contaminants have been detected however, these contaminates were detected below NY State requirements. All the water lines are lead free as you know that infants and young children are typically more vulnerable to lead in drinking water than the general population, it is possible that lead levels at your home may be higher than at other homes in the community as a result of material used in your homes plumbing. If you are concerned about elevated lead levels in your homes water, you may wish to have your water tested and flushed your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking water hotline at 800-426-4791

Is our water system meeting rules that govern operations?

During 2012 our system was in compliance with applicable state drinking water operation monitoring and reporting requirements.

Do I need to take special precautions?

Although our drinking water met state federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immune-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk for infections. These people should seek advice from their health care provider about their drinking water EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium, guardia and other microbial pathogens are available from the safe drinking hotline 800-426-4791.

Why save water and how to avoid wasting it?

Although our system has adequate amount of water to meet our present needs, there are a number of reasons why it is important to conserve water:

1. Saving water reduces the cost of energy required to pump water.
2. Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use regulations.
3. Repair leaking faucet and toilets.
4. Report water leaks to James Winn at 658-2162 or 658-3077

This statement complies with 10 NYCCR, subpart 5-1.72 and 40 CFR part 141



James Winn
Highway Superintendent
Town of Berlin