June 2015

PWSID: 5040017

Annual Drinking Water Quality Report

Annual Water Testing Performed in 2014

THE BRIGHTON TOWNSHIP MUNICIPAL AUTHORITY

Kerien Fitzpatrick, *Chairman*

Jack E. Erath, *Vice Chairman*

Gordon R. Sheffer, Ph.D., *Secretary*

Jeffrey S. Maze, *Treasurer*

Michael L. Keeliher, *Assistant Secretary/Treasurer*

Bryan K. Dehart, *Administrative Manager*

Brad M. Cochran, *Operations Supervisor*

Lawrence Lennon, Jr., P.E., *Engineer*

Samuel J. Orr, III, *Solicitor*

1300 Brighton Road
Beaver, Pennsylvania 15009
Phone: (724) 774-4800
www.brightontwp.org

Annual Drinking Water Quality Report for 2014

We are pleased to present this year's Annual Drinking Water Quality Report. This report is designed to inform you about the water quality and services we deliver to you every day. Our goal is to provide a dependable supply of drinking water to our customers. Brighton Township Municipal Authority is a water purveyor, purchasing 100% of its water from Vanport Township Municipal Authority. We are committed to customer service and insuring the quality of your water.

We are pleased to report that our drinking water meets Federal and State Requirements. If you have any questions about this report, please contact: Brighton Township Municipal Authority at (724) 774-4800; Monday through Friday, 8:00 AM - 4:30 PM.

We want our customers to be informed about their water quality. You may attend our regular Monthly Meeting scheduled on the third Monday of each month at 8:00 P.M. at the Municipal Building located at 1300 Brighton Road.

The Brighton Township Municipal Authority routinely monitors for constituents in your drinking water according to Federal and State laws. The following table shows what constituents were detected during the period of January 1st to December 31st for 2014.

In the table are terms and abbreviations you may not be familiar with. To help you understand these terms we have provided definitions on the reverse side.

Este informe contiene informacion muy importante sobre su agua de beber. Traduzcalo o hable con alguien que lo entienda bien. *(This report contains very important information about your drinking water. Translate it, or speak to someone who understands it.)*

CONTAMINANTS (UNITS OF MEASUREMENT)	VIOLATION	LEVEL DETECTED	RANGE	MCLG	MCL IN CCR UNITS	LIKELY SOURCE OF CONTAMINATION
INORGANIC CONTAMINANTS						
Copper (ppm) Sampled 2013 - BTMA 20 Samples (90th percentile)	No	0.163	(b)	AL = 1.3	1.3	Corrosion of household plumbing systems, erosion of natural deposits, and leaching from wood preservatives. *(90th percentile copper=0.23) Sample meets copper requirements for safe drinking water set by PaDEP.*
Lead (ppb) Sampled 2013 - BTMA (90th percentile)	No	0.0	(b)	0	AL = 1.5	Corrosion of household plumbing systems, erosion of natural deposits. *(90th percentile lead=0) Sample meets lead requirements for safe drinking water set by PaDEP.*
Barium (ppm) Sampled 1/16/2012 - Vanport	No	0.0993	(a)	2	2	Discharges from drilling wastes; Discharges from metal refineries; Erosion of natural deposits.
Nitrate (ppm) **(as Nitrogen)** Sampled 8/26/2014 - Vanport	No	2.56	(a)	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits. 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.
Chlorine Low Range: 0.651 ppm High Range: 0.788 ppm	No	0.734 (d)	0.651- 0.788	–	MRDL 4.0	Brighton Township Municipal Authority takes 9 Bacteriological Samples at specific locations. The Chlorine residual is monitored at each location when the sample is taken. The Chlorine residual readings are averaged each month. The high and low residuals are listed at left.

CONTAMINANTS	VIOLATION	LEVEL DETECTED	MCL IN CCR UNITS
ORGANIC CONTAMINANTS – Sampled: 08/06/2014			
Total Trihalomethanes (ppb)	No	23.8	80
Total Haloacetic Acids (ppb)	No	6.35	60

(a) Only one sample required during a monitoring period. The results are from samples taken on the date shown with results. This is the most recent sample required by the regulation.
(b) This is the 90th percentile result. All 20 samples taken showed results below the Action Level.
(c) These tests were taken although not required by regulation.
(d) Highest running annual average-Mathematical average of analytical data in which four quarterly results are continuously averaged.

In the table on the previous page are terms and abbreviations you may not be familiar with. To help you understand these terms we have provided the following definitions:

Parts per million (ppm) or Milligrams per liter (mg/l)
One part per million corresponds to one minute in two years or one penny in $10,000.

Parts per billion (ppb) or Micrograms per liter (ug/l)
One part per billion corresponds to one minute in 2,000 years or a single penny in $10,000,000.

Maximum Contaminant Level (MCL)
The "Maximum Allowed" (MCL) is the highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG)
The "Goal" is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG allows for a margin of safety.

Maximum Residual Disinfectant Level (MRDL)
The maximum permissible level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap without an unacceptable possibility of adverse health effects. MRDLs are defined in milligrams per liter (part per million) unless otherwise specified.

Pennsylvania DEP Consumer Confidence Report Data – Valid Violations Generated by PADWIS Compliance Runs for 2014 for BRIGHTON TOWNSHIP MUNICIPAL AUTHORITY (PWSID: 5040017 – COMMUNITY, ACTIVE, Observations: 2 eFACTS site ID: 442028)

According to the information here, our system had no violations. Consequently, we are proud that your drinking water meets or exceeds all Federal and State Requirements.

Required Consumer Confidence Report (CCR) Statement Addressing Lead in Drinking Water

"If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Brighton Township Municipal Authority is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at **www.epa.gov/safewater/lead**."

*** In 1989 Vanport Township Municipal Authority found Trichloroethylene in the ground water supply. Westinghouse Electric Corporation constructed two air stripping towers to remove this constituent before it becomes drinking water. Construction of these towers was completed and online in February 1990. Since that time, the system is maintained and operated by the Vanport Township Municipal Authority staff. The testing indicates the constituent is within the MCL levels established by the Federal and State agencies. For more information call the USEPA and Safe Drinking Water Hotline at **1-800-426-4791**.*

*Brighton Township Municipal Authority is constantly monitoring the water supply for various other constituents. **According to the information here, our system had no violations; consequently, we are proud that your drinking water meets or exceeds all Federal and State Requirements**.*

*All sources of drinking water are subject to potential contamination, either naturally occurring or man made. Those constituents may be microbes, organic or inorganic chemicals, or radioactive materials. All drinking water, including bottled water, may reasonably be expected to contain at least a small amount of some contaminants. The presence of contaminants does not necessarily indicate the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency Safe Drinking Water Hot Line at **1-800-426-4791**.*

*Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer, undergoing chemotherapy, persons who have undergone organ transplant, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline **1-800-426-4791**.*

We ask all our customers to help us protect our water resources. Sincerely, Brighton Township Municipal Authority