

Annual Drinking Water Quality Report

Brielle Water Department

For the Year 2013, results from the Year 2012

We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. **We are pleased to report that our drinking water meets all federal and state safety requirements.**

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 transplants, 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 (800-426-4791).

The Brielle Water Department and the New Jersey Water Supply Authority - Manasquan Reservoir Water Supply System routinely monitor for over 80 contaminants in your drinking water according to Federal and State laws. The tables list only detected contaminants, and show the results of our monitoring from January 1st to December 31st, 2012.

Brielle Water Department Test Results PWS ID # NJ1308001						
Contaminant:	Violation Y/N	Level Detected	Units of Measu rement	MC LG	MCL	Likely Source of Contamination
Radioactive Contaminants:						
Gross Alpha Test results Yr. 2012	N	Range = ND – 2.6 Highest Detect = 2.6	pCi/l	0	15	Erosion of natural deposits
Combined Radium 228 & 226 Test results Yr. 2012	N	Range = 1.3 – 3.1 Highest Detect = 3.1	pCi/l	N/A	N/A	Erosion of natural deposits
Inorganic Contaminants:						
Copper Test results Yr. 2011 Result at 90 th Percentile	N	0.2 No samples exceed the action level	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead Test results Yr. 2011 Result at 90 th Percentile	N	< 1 No samples exceed the action level.	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Nitrate (as Nitrogen) Test results Yr. 2012	N	Range = ND – 0.2 Highest Detect = 0.2	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Volatile Organic Contaminants / Disinfection Byproducts:						
TTHM Total Trihalomethanes Test Results Yr. 2012	N	Range = 9 - 25 Running Annual Average = 17	ppb	N/A	80	By-product of drinking water disinfection
HAA5 Haloacetic Acids Test Results Yr. 2012	N	Range = 8 - 18 Running Annual Average = 11	ppb	N/A	60	By-product of drinking water disinfection
Regulated Disinfectants		Level Detected	MRDL		MRDLG	
Chlorine		Average = 0.7 ppm	4.0 ppm		4.0 ppm	

We have learned through our monitoring and testing that some contaminants have been detected. As you can see by the tables, our system had no violations. The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

Our water source: We have two sources of drinking water: our wells and the New Jersey Water Supply Authority, Manasquan Reservoir Water Supply System. One well draws water from the Kirkwood Aquifer and the other two draw their water from the Englishtown Aquifer. The Manasquan Water Treatment Plant, located on Hospital Road in the Allenwood section of Wall Township, is owned by the Monmouth County Improvement Authority and is operated by the New Jersey Water Supply Authority. The Manasquan Water Treatment Plant takes its water from the Manasquan River in Wall Township and the Manasquan Reservoir in Howell Township.

The New Jersey Department of Environmental Protection (NJDEP) has completed and issued the Source Water Assessment Report and Summary for this public water system, which is available at WWW.state.nj.us/dep/swap or by contacting NJDEP's Bureau of Safe Drinking Water at (609) 292-5550. You may also contact your public water system to obtain information regarding your water system's Source Water Assessment. Brielle Water Department's and the Manasquan Water Supply System's source water susceptibility ratings and a list of potential contaminant sources is attached.

