

**2010 Drinking Water Quality Report
Brevard County Utility Services
North Brevard Water Treatment System**

We're pleased to present to you this year's Annual 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 want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. This report shows our water quality results and what they mean.



Our water source is groundwater from ten (10) wells that draw from the Floridan Aquifer. In 2009, the Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are three (3) potential sources of contamination from petroleum storage tanks with a susceptibility level of moderate contamination. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at www.dep.state.fl.us/swapp or they can be obtained from the North Brevard Water Plant at the address/phone number listed under "Questions?"

Our raw groundwater is aerated to improve taste and odor by removing dissolved gases and iron. We then add lime and a coagulant to reduce hardness and remove suspended solids. The water is exposed to carbon dioxide to lower pH and filtered to remove turbidity (cloudiness from suspended solids). Chlorine is added to disinfect the water and keep the distribution system safe from pathogenic bacteria. As an established preventive method to improve dental health, fluoride is added before the water goes to ground storage tanks and finally enters the distribution system to your home or business.

General Information

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. The North Brevard Water Plant 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 @800-426-4791 or at <http://www.epa.gov/safewater/lead>.

The sources of drinking water (both tap water and bottled 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, in some cases, radioactive material and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.

- (B) Inorganic contaminants, such as salts & metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil & gas production, mining or farming.
- (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff and septic systems.
- (E) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

We at Brevard County Utility Services work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future. If you have further questions or need additional information, please call our office at (321) 633-2093 or visit our web site at <http://www.brevardcounty.us/usd>.

Water Testing

The North Brevard Water Treatment System routinely monitors for contaminants in your drinking water according to Federal and State laws, rules and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2010. Data obtained before January 1, 2010 and presented in this report are from the most recent testing done in accordance with the laws, rules and regulations.

Watering

Water before 10am or after 4pm, only when your lawn needs it but no more than two days a week during daylight savings time and one day a week during standard time.

For Details see www.floridaswater.com

Water Saving Tips:

Water is a resource shared by all of us. Water conservation may seem unnecessary in a state surrounded by water but not all of that water is readily available for drinking or irrigation. Conserving water is good for the environment and will save you money on your water and sewer bills.



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2010 Annual

*Drinking
Water
Quality
Report*

Water Testing Performed in 2010

North Brevard Water Treatment System

PWS ID 3050834



Sprinklers

Position sprinklers to water only your lawn and shrubs, NOT streets and sidewalks. Check frequently for broken sprinkler heads and replace promptly. Consider installing micro-irrigation to water flower beds or small areas.

Efficiency

Run your automatic clothes and dish washers only when you have a full load. If you have only a few dirty dishes, consider doing them by hand. When you replace your clothes or dish washers consider purchasing water-efficient models.



Plumbing

Fix running toilets and dripping faucets. Install low-flow toilets and shower heads. Remember to always turn off the faucet when you brush your teeth or shave.

Xeriscape

Xeriscaping refers to landscaping in ways that reduce or eliminate the need for supplemental irrigation.

When landscaping your home, plant drought-tolerant grasses, shrubs and trees.

