

Annual Drinking Water Quality Report

Borough of Westville Water Department

For the year 2013 Results from 2012

PWSID # NJ 0821001

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 want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. We have three wells, all located near our treatment facility at 114 Crown Point Road. Our wells draw groundwater from the Potomac-Raritan-Magothy Aquifer over 300 feet deep.

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/NJDEPs Bureau of Safe Drinking Water at (609) 292-5550. You may also contact your public water system at 856-456-7785 to obtain information regarding your water systems Source Water Assessment. This water systems source water susceptibility ratings and a list of potential contaminant sources is attached

We are pleased to report that our drinking water meets all federal and state safety requirements. If you have any questions about this report or concerning your water utility, please contact Donna M. Domico at 856-456-7785. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled Borough Council meetings at Borough Hall located at 114 Crown Point Road. Meetings are held on the second Wednesdays at 7:00 pm.

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 Westville Water Department routinely monitors for contaminants in your drinking water according to Federal and State laws. EPA requires monitoring for over 80 drinking water contaminants. Those contaminants listed in the table are only contaminants detected in your water. This table shows the results of our monitoring for the period of January 1st to December 31st, 2012.

Lead: 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 Borough of Westville 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 minimize exposure is available from the Safe Drinking Water hotline or at [http: www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

Nitrates in Drinking Water at levels above 10 ppm is a health risk for infants less than 6 months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

Special considerations regarding children, pregnant women, nursing mothers, and others:

Children may receive a slightly higher amount of a contaminant present in the water than do adults, on a body weight basis, because they may drink a greater amount of water per pound of body weight than do adults. For this reason, reproductive or developmental effects are used for calculating a drinking water standard if these effects occur at lower levels than other health effects of concern. If there is insufficient toxicity information for a chemical (for example, lack of data on reproductive or developmental effects), an extra uncertainty factor may be incorporated into the calculation of the drinking water standard, thus making the standard more stringent, to account for additional uncertainties regarding these effects. In the cases of lead and nitrate, effects on infants and children are the health endpoints upon which the standards are based.

DEFINITIONS

In the following table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

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

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

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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

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

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

Secondary Contaminant- Substances that do not have an impact on health. Secondary Contaminants affect aesthetic qualities such as odor, taste or appearance. Secondary standards are recommendations, not mandates.

Recommended Upper Limit (RUL) B Recommended maximum concentration of secondary contaminants. These reflect aesthetic qualities such as odor, taste or appearance. RUL=s are recommendations, not mandates.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Goal (MRDLG): The level of a drinking water disinfectant, below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

The Safe Drinking Water Act regulations allow monitoring waivers to reduce or eliminate the monitoring requirements for asbestos, volatile organic chemicals and synthetic organic chemicals. Our system received monitoring waivers for asbestos and synthetic organic chemicals.

TEST RESULTS						
Contaminant	Violated Y/N	Level Detected	Units of Measurement	MCL G	MCL	Likely Source of Contamination
Microbiological Contaminants tested monthly						
Total coliform Bacteria	No	0/100 ml		0	1 positive sample/	Naturally present in the environment

					month .	
Radioactive Contaminants sampled on 6/13/11						
Alpha emitters	No	0.87	pCi/1	0	15	Erosion of natural deposit
Inorganic Contaminants: sampled on 9/14/12 unless noted						
Asbestos Tested on 8/12/02	No	ND	MFL	7	7	Decay of asbestos cement water mains; erosion of natural deposits
Barium	No	0.117	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Copper	No	0.0297	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Fluoride	No	ND	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead tested on 7/7/11	No	<0.002	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Mercury (inorganic)	No	ND	ppb	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Nitrate (as Nitrogen) tested on 9/14/12	No	2.04	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Synthetic Organic Contaminants including Pesticides and Herbicides waiver 2011-2014						
Volatile Organic Contaminants tested on 9/14/12						
TTHM Total Trihalomethanes	No	26.0	ppb	N/A	80	By-product of drinking water disinfection
HAA5 Haloacetic Acids	No	0.00	ppb	N/A	60	By-product of drinking water disinfection

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.

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:

- _ Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- _ Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- _ Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- _ Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can, also come from gas stations, urban storm water runoff, and septic systems.
- _ 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, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration 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.

To ensure the continued quality of our water we treat it is several ways. We aerate to relieve gases, chlorinate to disinfect, coagulate to reduce iron content, filtrate to remove iron and manganese and we use ion-exchange softening process, which helps reduce that amount of hardness in the water. We also perform hundreds of quality control tests on our water throughout the year. The Safe Drinking Water Act regulations allow monitoring waivers to reduce or eliminate the monitoring requirements for asbestos, volatile organic chemicals and synthetic organic chemicals. Our system received monitoring waivers for all of these contaminants.

Special considerations regarding children, pregnant women, nursing mothers, and others:

Children may receive a slightly higher amount of a contaminant present in the water than do adults, on a body weight basis, because they may drink a greater amount of water per pound of body weight than do adults. For this reason, reproductive or developmental effects are used for calculating a drinking water standard if these effects occur at lower levels than other health effects of concern. If there is insufficient toxicity information for a chemical (for example, lack of data on reproductive or developmental effects), an extra uncertainty factor may be incorporated into the calculation of the drinking water standard, thus making the standard more stringent, to account for additional uncertainties regarding these effects. In the cases of lead and nitrate, effects on infants and children are the health endpoints upon which the standards are based.

We at the Westville Water Dept. work hard 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. Please call our office at 856-456-7785 if you have questions. Residents are to follow odd/even regulations all year long. If your house number is odd then you water on odd days, even number, on even days.

Please continue to conserve water and follow an odd/even basis for watering lawns, washing cars, etc. especially in drought season. Thank you.

PUBLIC WORKS CORNER SPRING/SUMMER 2013

PLEASE DO NOT MIX TRASH IN VEGETATION. WE WILL LEAVE ANY CONTAINERS THAT CONTAIN TRASH!!! FROM MAY TO SEPTEMBER WE WILL PICK UP VEGETATION ONLY EVERY MONDAY. PLEASE TIE UP BRANCHES IN 6 FEET OR SHORTER LENGTHS AND BAG/CAN ALL OTHER VEGETATION. PLEASE DO NOT PUT LOOSELY IN THE STREET.

********GRASS CLIPPINGS ARE NOT TO BE BLOWN INTO ANY BOROUGH STREET. THIS VIOLATES THE NJDEP STORMWATER REGULATIONS. PLEASE PLACE GRASS OUT WITH YOUR REGULAR TRASH.***

The DEP has also implemented new Stormwater Regulations. There are many rules that must be followed including illegal dumping to all water ways. This includes but is not limited to dumping of paints, solvents, trash, grass clippings ,motor oil, etc. in any street in the Borough.

*CHECK OUT THE STORMWATER WEBSITE www.nj.gov/dep/stormwater or www.cleanwater.org
LATEX PAINT IS NO LONGER ACCEPTED AT THE COUNTY. TO DISPOSE OF YOU SHOULD REMOVE LID AND LET PAINT HARDEN. IF THERE IS PAINT IN CAN ADD KITTY LITTER OR SPEEDY DRY UNTIL IT IS NO LONGER POURABLE, THEN THROW IN TRASH.*

Textiles will be collected the second Monday of each month. Please place your textiles in a plastic bag and then place into large blue bag at curb. A new bag will be delivered each time you recycle.