

THE MIDDLETOWNIAN

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Contact us at the Town of Middletown:

**General
Inquiries
and Billing:**
378-2711

Public Works:
378-2211

**After-hours
Emergencies:**
378-2211

Mayor's office:
Kenneth Branner, Jr.
378-5670

Vice Mayor
Jim Reynolds
Town Council
Drew Chas
Jason Faulkner
Robert McGhee
Robert Stout
Howard R. Young, Jr.
(All available
at 378-2711)

Middletown Police:
376-9950

Town Manager
Morris Deputy
378-9120



4th of July Fireworks!

The annual 4th of July fireworks, sponsored by the Town of Middletown, will be held on Monday, July 4, at dark.

Location:

Silver Lake Park, which opens at 6 p.m.

Food will be sold by non-profits. To sign up as a vendor, contact Rae at 378-5670. Pets, bicycles, skateboards, alcohol, open flames, and personal fireworks are all prohibited in the park.



Fireworks, brought to you by the Mayor & Council of Middletown, will be held on Monday, July 4, at dark, at Silver Lake Park.

Helpful Reminders about trash collection

- ◆ Trash is collected on Tuesday, Recycling and Yard Waste are collected on Friday. (Except when there is a holiday. See the Holiday Trash Schedule on the Town's Website for those changes).
- ◆ The yellow/green container MUST be used on Fridays for recycling. The trash hauler will NOT pick up other containers on Fridays. Also, trash SHOULD NOT be put in this container for Tuesday's trash service.
- ◆ YARD WASTE: Yard waste includes grass clippings, weeds, branches and leaves. These items SHOULD NOT be bagged, as bags cannot be recycled with the yard waste. Place these items in yard waste container.
- ◆ Yard waste containers will not be collected if there are bags found inside.
- ◆ For more, call 378-2211.

Visit our Website: www.middletownde.org



WATER QUALITY REPORT 2015

Middletown Water Department
19 W. Green St.
Middletown, DE 19709
PWSID: DE0000614
Report Created: May 2016



The Town of Middletown Water Department is pleased to provide this Water Quality Report for the year 2015. Please note that substances such as iron, chloride, and sodium are commonly found in drinking water. They occur naturally at trace levels, and the United States Environmental Protection Agency (EPA) has deemed that these substances pose no health hazard from consumption in drinking water. This report indicates the concentrations of these, and many other substances, obtained during analyses performed from January 1, 2015 – December 31, 2015, unless otherwise specified. If you have any questions about this report or the quality of your tap water, please call the Middletown Water Department at (302) 378-5142.

A Safe Water Source

The water serving your home comes from the Upper Potomac and Magothy aquifers via four (4) wells ranging in depth from 285 feet to 846 feet. These aquifers are confined and protected from the influence of past farming activities and saltwater intrusion.

Source Water Assessment Plan

The Division of Public Health, in conjunction with the Department of Natural Resources and Environmental Control, has conducted source water assessments for nearly all community water systems in the state of Delaware. The Source Water Assessment report for Middletown can be obtained by contacting the Middletown Water Department at (302) 378-5142 or by visiting the Source Water Assessment Program website at: www.wr.udel.edu/swaphome/swassessments.html.

Expected Substances in Drinking Water

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791).

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 stormwater 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 stormwater 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 stormwater runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

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.

Definition of Terms:

The following table contains these terms and abbreviations.

90th Percentile

The ninth highest (out of a total of 10) lead and copper readings. This value is used to determine compliance with the Lead & Copper Rule.

Action Level

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a public water system must follow.

Maximum Contaminant Level (MCL)

The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG)

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.

Nephelometric Turbidity Unit (NTU)

A measure of the clarity of the water. Turbidity in excess of 5 NTU is barely noticeable to the average person.

Non-detect (nd)

Laboratory analyses using the state-approved methods indicate that the contaminant is not present.

Not regulated (n/r)

No MCL is identified because the substance is unregulated.

Parts per billion (ppb)

One part of the named substance in a billion parts of the drinking water. Equivalent relationships are one minute in 2,000 years or one penny in \$10,000,000.

Parts per million (ppm)

One part of the named substance in a million parts of the drinking water. Equivalent relationships are one minute in 2 years or one penny in \$10,000. (1 ppm equals 1,000 ppb.)

picoCuries per liter (pCi/l)

A measure of radioactivity in drinking water.

Treatment Technique (tt)

A required process intended to reduce the level of a contaminant in drinking water.

Special Health Concerns?

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 microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Radon

Radon is a radioactive gas that is found in nearly all soils. It typically moves up through the ground to the air and into homes through the foundation. Drinking water from a ground water source can also add radon to the home air. The EPA indicates that, compared to radon entering the home through soil, radon entering the home through water will in most cases be a small source of risk.

The EPA and the State of Delaware have not yet set standards for monitoring radon in drinking water, although we do expect sampling to become mandatory in the near future. We are keeping a close eye on the situation and will be sure to comply with any new regulations as required.

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.

We are 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. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the EPA Safe Drinking Water Hotline at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>.

Public Meeting Information

For the opportunity to ask more questions or participate in decisions that may affect your drinking water quality, a public meeting is held the first Monday of each month at 7:30 p.m. at Town Hall.

Town of Middletown

Town Hall
19 W. Green St.
Middletown, DE
19709



General
Questions: 302-378-2711
Public Works: 302-378-2211

Please note: Trash and Recycling will be collected a day late in the Town of Middletown the week of July 4. Trash will be collected on Wednesday, July 6, and Recycling will be collected on Saturday, July 9.

Substances Detected							
Substance/Parameter	Violation Yes / No	Unit of Measure	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Highest Level Detected	Annual Range	Major Sources
Inorganic Contaminants							
Fluoride (Field)	N	ppm	2	2	1.20	0.10 – 1.20	Erosion of natural deposits.
Radiological Contaminants							
Radium, Combined 226/228	N	pCi/L	5	0	1.751	1.45 – 1.751	Erosion of natural deposits.
Gross alpha excluding radon and uranium	N	pCi/L	15	0	0.416	0.326 – 0.416	Erosion of natural deposits.
Disinfection/Disinfection By-products							
Chlorine, free	N	ppm	4	4	2.18	0.7 – 2.18	Disinfectant used in drinking water industry.
Haloacetic Acids, (HAA5)*	N	ppb	60		12.88	0 – 12.88	By-product of drinking water chlorination.
Total Trihalomethanes, (TTHM)	N	ppb	80		61.0	0.9 – 61.0	By-product of drinking water chlorination.
Delaware Secondary Standards							
Iron (Field)	N	ppm	n/r	0.3	1.03	0.0 – 1.03	Average Levels 0.15 7.24
pH, (Field)	N	0-14 scale	n/r		8.0	6.82 – 8.0	
Strontium (2014 data)	N	ppb	n/r		330	310 – 330	
Chlorate (2014 data)	N	ppb	n/r		31	30 - 31	
Alkalinity, Total	N	ppm	n/r		103	70.8 - 103	
Chloride	N	ppm	n/r		5.7	4 – 5.7	
Sodium	N	ppm	n/r		38.2	16.2 – 38.2	
Sulfate	N	ppm	n/r		9.2	6.7 – 9.2	
Lead & Copper							
90th Percentile Lead	N	ppb	15	0	0.21		Corrosion of household plumbing systems, erosion of natural deposits.
Number of Sites Exceeding Lead Action Level	0						
90th Percentile Copper	N	ppm	1.3	1.3	0.283		Corrosion of household plumbing systems, erosion of natural deposits.
Number of Sites Exceeding Copper Action Level	0						

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.