***Annual Drinking Water Quality Report for 2007***
***Town of Brunswick***
***336 Town Office Road***
***Troy, New York 12180***

## INTRODUCTION

To comply with State regulations, The Town of Brunswick, will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year, we conducted tests for over 11 contaminants. We are proud to report that last year, the Town's tap water met all state drinking water health standards in twelve of the thirteen water districts. In water district number twelve there were two days in which the tap water fell below state standards. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact **Doug Eddy, Superintendent of Highways and interim Supt. Of Utilities at (518) 279-3461 Ext. 112**. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled town board meetings. The meetings are held on the second Thursday of each month at 7:00 PM in the Town Offices located at 336 Town Office Road (518) 279-3461.

## WHERE DOES OUR WATER COME FROM?

In general, 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 can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The Town of Brunswick purchases its water from the City of Troy. The City of Troy draws its water from a "surface water" supply, the Tomhannock Reservoir which is located 6 ½ miles northeast of the City. See attached City of Troy Annual Drinking Water Quality Report for the year 2007 which describes the City Water Treatment process. During 2007, our water system did not experience any restriction of our water source.

## Facts and Figures

The Town of Brunswick water system serves water to approximately 6500 residents of the Town of Brunswick as well as the commercial customers within the Town through over 2625 service connections. The Town receives water from the City of Troy through a metered connection at the intersection of North Lake Avenue and Yates Street and a metered connection at South Lake Avenue and Hunter Lane. Town water is fed by gravity from the City of Troy Tibbets Avenue water tank along North Lake Avenue, Hoosick Road, South Lake Avenue and Brunswick Road. The water is pumped and re-chlorinated at a booster pump station located at the Vanderheyden Reservoir to a 2,000,000 gallon steel storage reservoir which feeds the remaining distribution system including Rt. 142, Rt. 7, Rt. 278 and Rt. 2. The Town also has a water booster pump station in Cropseyville where the water is again re-chlorinated. The total water purchased from the City of Troy in the billing period November 1, 2006 through October 31, 2007 was 270,775,950 gallons. All services are metered. A total of 187,614,378 gallons was billed to customers. As a result a total of 83,161,572 gallons of water or 31% was lost in the transmission and distribution system. This can be attributed to water usage for fire protection, flushing, new construction of mains, water main breaks and leaks. Our average daily demand is 625,000 gallons. Our single highest day was 1.4 million gallons. The Town of Brunswick charges $4.73 per 1000 gallons and pays the City of Troy $3.432 per thousand. The average amount charged per household is $300.00.

## ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

We test your drinking water for inorganic contaminants, radiological contaminants, lead and copper, nitrate, volatile organic contaminants, and synthetic organic contaminants. In addition, we are required to test a minimum of eight samples for coliform bacteria each month. The table presented depicts which contaminants were detected in your drinking water. The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old and is noted. For listing of all the parameters that we must analyze and the frequency of testing for compliance with the NYS Sanitary Code, see Appendix A.

It should be noted that all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily pose a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791) or the Rensselaer County Health Department at (518) 270-2645.

**Definitions:**

***Maximum Contaminant Level*** (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.
***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.
***Action Level*** (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
***Treatment Technique*** (TT): A required process intended to reduce the level of a contaminant in drinking water.

***Non-Detects*** (ND): Laboratory analysis indicates that the constituent is not present.
***Nephelometric Turbidity Unit*** (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
***Milligrams per liter*** (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).
***Micrograms per liter*** (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).
***Nanograms per liter*** (ng/l): Corresponds to one part of liquid to one trillion parts of liquid (parts per trillion - ppt).
***Picograms per liter*** (pg/l): Corresponds to one part per of liquid to one quadrillion parts of liquid (parts per quadrillion – ppq).
***Picocuries per liter*** (pCi/L): A measure of the radioactivity in water.
***Millirems per year*** (mrem/yr): A measure of radiation absorbed by the body.
***Million Fibers per Liter*** (MFL): A measure of the presence of asbestos fibers that are longer than 10 micrometers.

## WHAT DOES THIS INFORMATION MEAN?

As you can see from the table, our system had two positive tests for coliform in district number twelve which has eight connections. The town followed up by taking multiple samples according to State regulations and the test were negative within two days and have remained negative. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below New York State requirements. They are indicated in the table.

## IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2007, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

## DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met or exceeded state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens 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 from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

## WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- Saving water saves energy and some of the costs associated with both of these necessities of life;
- Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and

- Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it up an you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, Then check the meter after 15 minutes, If it moved, you have a leak.

## SYSTEM IMPROVEMENTS

In 2007 two pressure regulating pits were installed to improve water pressure to portions of the Town.

## CLOSING

Thank you for allowing us to continue to provide your family with quality drinking water this year. We ask that all our customers help us protect our water sources, which are the heart of our community. Please call our office if you have questions.

TOWN OF BRUNSWICK
Water Test Results District No. 1
(Public Water Supply Identification Number NY 4100052)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 14.33 | 12.2 | 16.2 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 2.38 | <2.0 | 4.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 8.4 | 5.3 | 12.0 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 23.73 | 18.2 | 28.2 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 27.98 | 19.7 | 39.7 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 5.2 | 2.6 | 7.2 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 33.18 | 22.3 | 46.9 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform No Negative<br>No positive samples of 36 taken A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | | | | |
| E Coli No<br>No positive samples of 36 taken A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | | | | |
| Nitrates (as N) | No | January Annually | 0.4 | 0.4 | 0.4 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 2
(Public Water Supply Identification Number NY 4100053)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 15.23 | 9.4 | 21.0 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | 1.0 | 1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 3.13 | 2.0 | 7.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 10.0 | 7.7 | 11.0 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 26.98 | 19.9 | 39.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 37.28 | 23.7 | 59.1 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 5.75 | 3.2 | 8.2 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 43.03 | 29.3 | 67.3 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform No Negative<br>No positive samples of 24 taken A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | | | | |
| E Coli No<br>No positive samples of 24taken A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | | | | |
| Nitrates (as N) | No | January Annually | 0.4 | 0.4 | 0.4 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 2A
(Public Water Supply Identification Number NY 4130277)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 13.23 | 9.3 | 15.0 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 2.63 | <2.0 | <3.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 9.6 | 7.6 | 12.4 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 24.08 | 19.7 | 28.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 38.78 | 27.3 | 59.1 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 5.8 | 3.4 | 8.2 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 44.58 | 32.7 | 67.3 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform No Negative<br>No positive samples of 15 taken A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | | | | |
| E Coli No<br>No positive samples of 15 taken A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | | | | |
| Nitrates (as N) | No | January Annually | 0.5 | 0.5 | 0.5 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 3
(Public Water Supply Identification Number NY 4100054)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 14.28 | 8.8 | 19.0 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 3.13 | <2.0 | 7.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 12.98 | 11.9 | 16.1 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 29.0 | 20.7 | 38.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 48.73 | 40.4 | 69.1 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 6.73 | 3.8 | 9.2 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 55.45 | 44.2 | 78.3 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 21 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 21 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.4 | 0.4 | 0.4 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 4
(Public Water Supply Identification Number NY 4110144)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 14.6 | 12.9 | 18.0 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 2.63 | <2.0 | 5.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 8.33 | 5.8 | 10.4 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 24.18 | 19.2 | 31.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 29.58 | 21.1 | 49.2 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 4.95 | 2.6 | 7.7 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 34.53 | 24.7 | 56.9 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.4 | 0.4 | 0.4 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 5
(Public Water Supply Identification Number NY 4100055)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 10.35 | 8.0 | 12.5 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 2.63 | <2.0 | 5.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 11.7 | 9.3 | 15.1 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 23.3 | 19.4 | 27.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 46.03 | 32.8 | 62.8 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 6.45 | 3.3 | 8.8 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 52.48 | 36.1 | 71.6 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.4 | 0.4 | 0.4 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 6
(Public Water Supply Identification Number NY 4100056)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 4.5 | 3.0 | 5.5 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 1.75 | <2.0 | <3.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 3.83 | <1 | 7.9 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 8.2 | 4.5 | 13.4 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 52.45 | 42.4 | 70.8 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 6.8 | 4.1 | 8.4 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 59.25 | 46.5 | 79.2 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.2 | 0.2 | 0.2 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 7
(Public Water Supply Identification Number NY 4130278)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 16.3 | 12.7 | 22.0 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 1.75 | <2.0 | <3.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 12.95 | 11.3 | 15.0 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 29.25 | 24.2 | 37.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 49.05 | 39.0 | 63.2 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 6.78 | 4.5 | 8.7 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 55.83 | 43.5 | 71.9 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.2 | 0.2 | 0.2 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 8
(Public Water Supply Identification Number NY 4130279)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 17.1 | 12.1 | 21.1 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 2.63 | <2.0 | 6.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 12.05 | 10.9 | 13.8 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 30.65 | 23.6 | 37.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 49.25 | 40.9 | 65.3 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 6.8 | 5.2 | 8.8 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 56.05 | 46.1 | 74.1 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 10 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 10 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | <0.4 | <0.4 | <0.4 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 9
(Public Water Supply Identification Number NY 4130280)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 7.0 | 5.5 | 8.2 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 2.63 | <2 | 5.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 9.15 | 6.2 | 12.9 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 17.4 | 11.7 | 23.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 55.98 | 45.8 | 75.6 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 7.5 | 5.9 | 9.2 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 63.48 | 51.7 | 84.8 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.4 | 0.4 | 0.4 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 10
(Public Water Supply Identification Number NY 4130281)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 6.6 | 5.5 | 8.0 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | 2.38 | <2.0 | 4.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 9.1 | 2.0 | 13.5 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 16.7 | 7.5 | 23.0 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 57.58 | 48.4 | 71.5 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 7.55 | 5.8 | 8.8 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 65.13 | 54.2 | 80.3 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Copper | No | Annually | 0.024 | <0.02 | 0.04 | Mg/l | | | |
| Lead | No | Annually | <0.001 | <0.001 | <0.001 | Mg/l | | <0.02-1.3 | |
| | | | | | | | | <0.001-0.015 | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.2 | 0.2 | 0.2 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 11
(Public Water Supply Identification Number NY 4130300)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 12.58 | 5.1 | 16.2 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | <2.0 | <2.0 | <3.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 8.08 | 6.6 | 11.7 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 20.65 | 16.8 | 23.2 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 32.3 | 23.8 | 53.1 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 5.28 | 3.1 | 8.0 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 37.58 | 28.2 | 61.1 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform | No | Negative | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | |
| E Coli | No | | | | | | | | |
| No positive samples of 12 taken | | | A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | |
| Nitrates (as N) | No | January Annually | 0.3 | 0.3 | 0.3 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |

TOWN OF BRUNSWICK
Water Test Results District No. 12
(Public Water Supply Identification Number NY 4130309)

2007 Annual Water Quality Report

Table of Detected Contaminants

| Contaminant | Violation Yes/No | Date of Sample | Value or Average | Low | High | Unit measure ment | MCLG | Regulatory Limit (MCL TT or AL) | Likely source of contamination |
|---|---|---|---|---|---|---|---|---|---|
| **Dibromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <1.0 | Ug/l | | | Formed by reaction of Chlorine with naturally occurring organics |
| **Dichloroacetic acid** | No | Quarterly | 6.65 | 5.0 | 8.3 | Ug/l | | | |
| **Monobromoacetic Acid** | No | Quarterly | <1.0 | <1.0 | <2.0 | Ug/l | | | |
| Monochloroacetic Acid | No | Quarterly | <2.0 | <2.0 | <3.0 | Ug/l | | | |
| Trichloroacetic Acid | No | Quarterly | 8.9 | 5.5 | 10.6 | Ug/l | | | |
| Total haloacetic Acid | No | Quarterly | 15.55 | 11.9 | 18.8 | Ug/l | | 60 | |
| Chloroform | No | Quarterly | 56.73 | 46.9 | 73.7 | Ug/l | | | |
| Bromodichloromethane | No | Quarterly | 7.6 | 5.8 | 8.8 | Ug/l | | | |
| Dibromochloremethane | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Bromoform | No | Quarterly | <2.0 | <2.0 | <2.0 | Ug/l | | | |
| Total Trihalomethane | No | Quarterly | 64.33 | 54.6 | 82.5 | Ug/l | | 80 A violation occurs if the running annual average of the four most recent sets of quarterly samples exceeds 80 (ug/l) | |
| Microbiological (Bacteria) | | | | | | | | | |
| Coliform Yes 18 Samples Negative<br>2 positive samples of 20 taken A violation occurs when more than 5.0% of the total coliform samples are positive | | | | | | | | | |
| E Coli No<br>No positive samples of 20 taken A violation occurs when a total coliform positive sample is positive for E Coli | | | | | | | | | |
| Nitrates (as N) | No | January Annually | 0.2 | 0.2 | 0.2 | Mg/l | | <0.2-10 | Fertilizers, animal waste, wastes |