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**Annual Drinking Water Quality Report for 2009**

**Town of Sennett**

**6931 Cherry Street, Auburn, NY 13021**

**Water District #1 B(NY0501723)**

**Water District #2 B(NY0511737)**

**Water District #3 B (NY0511738)**

**Water District #6- (NY0511741)**

**INTRODUCTION**

To comply with State regulations, the **Town of Sennett**, 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, your tap water met all State drinking water health standards. We are proud to report that our system did not violate a maximum contaminant level or any other water quality standard. 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 **Bill Feocco, Water Superintendent, at (315) 253-3712 ext. #7**. 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 Tuesday of each month at 7:00 pm at the Town Hall located at 6931 Cherry St., Auburn, NY 13021**.

**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, in some cases, radioactive material, 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.

Our water source is Owasco Lake. The Town of Sennett is supplied with water from the City of Auburn. The City of Auburn owns and operates two Water Filtration Plants located in the City of Auburn on the corner of Swift St. and Pulsifer Drive. After being filtered the water is disinfected with gaseous chlorine before entering the distribution system. The water enters the Town of Sennett distribution system through two meter pits at the City line. Any water not consumed by our customers is either sold to the Village of Weedsport or stored in a Two Hundred Fifty Thousand-gallon steel storage tank located on State Rte. 5. The Town of Sennett supplies Water District #2 from a booster pump station and hydro-pneumatic tank located on Franklin Street Road. Our water system serves a population of 2100 through 725 service connections.

**A complete copy of the City of Auburn 2009 AWQR is on file at the Town of Sennett Town Hall for the public to view.**

**SOURCE WATER ASSESSMENT SUMMARY**

The NYS Department of Health has completed a source water assessment for the City of Auburn, based on available information. Possible and actual threats to this drinking water source were evaluated. This source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to lakes. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. **(See the section of this document Are there contaminants in our drinking water? for a list of the contaminants that have been detected in the drinking water.)**

The source water assessments are intended to provide managers with additional information for protecting source waters into the future. As mentioned before, our water is derived primarily from Owasco Lake. The source water assessment has rated this source as having an elevated susceptibility to protozoa and phosphorus due to the amount of agricultural lands in the assessment area and the quantity of wastewater discharged from municipal wastewater treatment plants to surface water. In addition, this source water assessment rated Owasco Lake as having an elevated susceptibility to pesticide contamination due to the amount of agricultural lands.

County and state health departments will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the complete assessment is available for review by calling the **Cayuga County Health Department at 253-1405**.

**ARE THERE CONTAMINANTS IN OUR DRINKING WATER?**

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes, and synthetic organic compounds. The table presented below depicts which compounds were detected in your drinking water. The State allows us to test 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.

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 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 (800-426-4791) or the Cayuga County Health Department at (315) 253-1405.**

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**Table of Detected Contaminants**

Contaminant	Violation Yes/No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
<b>PHYSICAL</b> Turbidity	No	5 days per week	0.214 Avg. Range 0.08-2.16	NTU	1.0	5.0 distribution system	Soil Runoff
<b>PHYSICAL</b> Turbidity	No	7 days per week	0.10 Avg. Range 0.03-0.339	NTU	0.5-1.0	0.3-1.0 MCL filter performance	Soil Runoff
Total Coliform	No	9/17/08	1 sample	N/A	0	>5%	Naturally Occurring In Environment

**INORGANICS**

Barium	No	4/16/09	0.021	PPM	2	2	Erosion of natural deposits
Chloride	No	4/16/09	40	PPM	N/A	250	Naturally occurring
Chromium	No	4/16/09	0.0024	PPM	0.1	0.1	Erosion of natural deposits
Fluoride	No	4/16/09	0.2	PPM	N/A	2.2	Erosion of natural deposits
Manganese	No	4/16/09	0.014	PPM	N/A	0.3	Naturally occurring
Nickel	No	4/16/09	1.4	PPB	N/A	100	Naturally occurring
Sulfate	No	4/17/09	13	PPM	N/A	250	Naturally occurring
Silver	No	4/17/09	0.03	PPM	N/A	0.1	Naturally occurring
Sodium	No	4/16/09	16	PPM	N/A	N/A	Naturally occurring
Nitrate	No	Each quarter	0.80 Avg. Range 0.67-0.92	PPM	10	10.0 MCL	Erosion of natural deposits

**Disinfection by-products**

Total Trihalomethanes (TTHM=s) (4)	No	Each quarter	78.3Avg. Range 50.6-102.3	PPB	80	80 MCL	Contained in chlorinated water
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HAA5 (4)	No	Each quarter	13.8 Avg. Range 1.3-28.8	PPB	60	60	Contained in chlorinated water.
<b>Radioactive Contaminants</b>							
Gross Alpha	No	2/14/06	0.119	pCi/L	0	15 pCi/L	Contained in soil or sedimentary rock formations
Gross Beta	No	2/14/06	1.185	pCi/L	0	15 pCi/L	Contained in soil or sedimentary rock formations
Combined Radium 226/228	No	2/14/06	0.951	pCi/L	0	5 pCi/L	Contained in soil or sedimentary rock formations

**Notes:**

4 B This level represents the annual quarterly average calculated from data collected.

**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.

**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 Level 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.

**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).

**Picocuries per liter (pCi/L):** A measure of the radioactivity in water.

**WHAT DOES THIS INFORMATION MEAN?**

As you can see by the table, our system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State.

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

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards.

**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 and 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.

CLOSING

Thank you for allowing us to continue to provide your family with quality drinking water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements. 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 at (315) 253-3712 ext. #7.**