

# Greenlawn Water District

## 2002 Drinking Water Quality Report

Public Water Supply Identification No.: 5103271

### Board of Commissioners

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Supt. Robert Santoriello

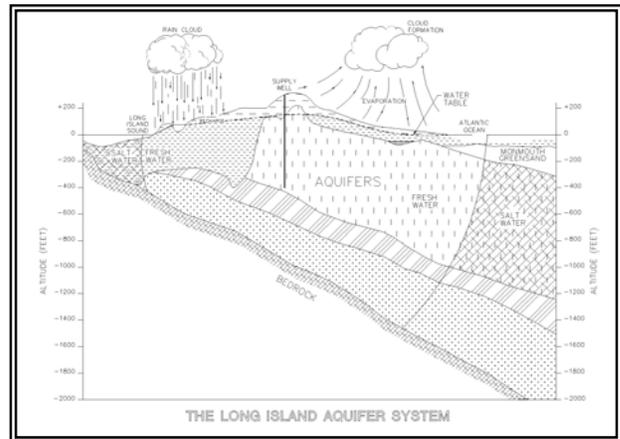
**ANNUAL WATER SUPPLY REPORT**

**May 2003**

The Greenlawn Water District is pleased to present this 2002 Water Quality Report. The report is required to be delivered to all residents of our District in compliance with Federal and State regulations. We are happy to report that our water supply is in full compliance with all Federal, State and County regulations as presented on page 3. Our constant goal is to provide you with a safe and dependable supply of drinking water every day. We also want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. The Board of Commissioners and the District employees are committed to ensuring that you and your family receive the highest quality water.

### SOURCE OF OUR WATER

The source of water for the District is groundwater pumped from 15 wells located throughout the community that are drilled into the Glacial and Magothy aquifers beneath Long Island, as shown on the adjacent figure. Generally, the water quality of the aquifer is good to excellent, although there are localized areas of contamination. The water from these areas is treated by the District to remove any contaminants prior to the delivery of any water to the consumer. It should also be noted that the District maintain electrical generators at many of our well sites in order to continuously provide water to the community, even during emergency situations such as power outages.



The population served by the Greenlawn Water District during 2002 was 42,000. The total amount of water withdrawn from the aquifer in 2002 was 2.21 billion gallons, of which approximately 96 percent was billed directly to consumers.

### COST OF WATER

The District utilizes a step billing schedule as shown below. The average residential consumer is being billed at \$0.75 per 1,000 gallons of water used.

### Quarterly Water Rates – Residential

<u>Consumption (gallons)</u>	<u>Charges</u>
Up to 8,000	\$7.00 minimum
8,001 – 58,000	\$0.75/thousand gallons
58,001 – 100,000	\$0.95/thousand gallons
Over 100,000	\$1.15/thousand gallons

### **CONTACTS FOR ADDITIONAL INFORMATION**

We are pleased to report that our drinking water is safe and meets all Federal and State requirements. If you have any questions about this report or the Greenlawn Water District, please contact Water District Superintendent Robert Santoriello at (631) 261-0874 or the Suffolk County Department of Health Services at (631) 853-2258. We want our residents to be informed about our water system. Major issues concerning the Greenlawn Water District can be discussed at the regularly scheduled District meetings. They are normally held on the first, second and fourth Wednesday of each month at 7:30 p.m. and on the third Wednesday at Noon at the District Office, 45 Railroad Street, Greenlawn.

The Greenlawn Water District routinely monitors for different parameters and possible contaminants in your drinking water as required by Federal and State laws. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some impurities. It's important to remember that the presence of these impurities does not necessarily pose a health risk. For more information on contamination and potential health risks, please contact the USEPA Safe Drinking Water Hotline at 1-800-426-4791.

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).

Water from some of the wells within the Greenlawn Water District have a slightly elevated nitrate level, but is well below the maximum contaminant level of 10.0 parts per million. Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby

syndrome. The source of the nitrates is the nitrogen in fertilizers and from on-site septic systems. If you are caring for an infant, you should ask advice from your health care provider.

The USEPA established a Lead and Copper Rule that required all public water suppliers to sample and test for lead and copper at the consumer's tap. The first testing was required in 1992. All results were excellent indicating that the District's corrosion control treatment program was effective in preventing the leaching of lead and copper from your home's plumbing in to your drinking water. The same testing was conducted in 2001 with the same excellent results. The next testing program is scheduled to be completed in 2004.

### **WATER CONSERVATION MEASURES**

In 2002, the Greenlawn Water District continued to implement a water conservation program in order to minimize any unnecessary water use. The pumpage for 2002 was 6 percent higher than in 2001. This increase can most likely be attributed to the relatively dry and hotter Summer weather in 2002.

Residents are urged to implement their own water conservation measures such as retrofitting plumbing fixtures with flow restrictors, modifying automatic lawn sprinklers to include rain sensors, repairing leaks in the home, installing water conservation fixtures/appliances and maintaining a daily awareness of water conservation in their personal habits. Besides protecting our precious underground water supply, water conservation will produce a cost savings to the consumer in terms of both water and energy bills (hot water).

### **WATER TREATMENT**

The Greenlawn Water District provides treatment at all of its wells to improve the quality of the water pumped prior to distribution to the consumer. The pH of the pumped water is adjusted upward to reduce the corrosive action between the water and water mains and in-house plumbing by the addition of sodium hydroxide. Granular activated carbon filters are also installed at Plant No. 8 to treat potable water for the removal of volatile organic compounds. An air stripping treatment facility is in service at Plant No. 12, also for the removal of volatile organic compounds.

The District also maintains standby emergency chlorination equipment for disinfection. The District has been granted a waiver from disinfection by the State Health Department, therefore, chlorination is not required.

#### **WATER QUALITY**

In accordance with State regulations, the Greenlawn Water District routinely monitors your drinking water for numerous parameters. We test your drinking water for coliform bacteria, turbidity, inorganic contaminants, lead and copper, nitrate, volatile organic contaminants, total trihalomethanes and synthetic organic contaminants. Over 135 separate parameters are tested for in each of our wells numerous times per year. The table presented on page 3 depicts which parameters or contaminants were detected in the water supply. It should be noted that many of these parameters are naturally found in all Long Island drinking water and do not pose any adverse health affects.

#### **PROPOSED WATER SYSTEM IMPROVEMENTS**

The District is currently in the planning and design phase of constructing an air stripping treatment facility at Well Nos. 10 and 15 for the removal of volatile organic compounds. The treatment facility should be constructed and placed in service by the Spring of 2004.

The District is also preparing a Master Plan Report that will evaluate the needs of the District for the next 20 years.

Copies of a Supplemental Data Package, which includes the water quality data for each of our supply wells utilized during 2002, are available at the Greenlawn Water District office located at 45 Railroad Street, Greenlawn, New York and the Harborfields Public Library.

We at Greenlawn Water District work around the clock to provide top quality water to every tap throughout the community. We ask that all our customers help us protect our water resources, which are the heart of our community, our way of life and our children's future.

Greenlawn Water District  
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