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MAY 2011
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FARMINGDALE VILLAGE REPORT



Moving In The Right Direction

Dear Residents:

The timing couldn't be better. By law we are required to mail you yearly results of water pump data and water quality. I am happy to report to you that we still enjoy unfiltered, pure water and we met all our test results. (Please see the data on the inside of this mailer.)

The Board of Trustees decided to include this information in our quarterly newsletter mailing, and not do a separate mailing, thereby, saving thousands of dollars in printing and postal fees.

I want to use this opportunity to keep you apprised of the latest information about our Water Department. There are three separate toxic plumes that will affect our ability to continue to supply this precious resource. The plumes originate from the Town of Oyster Bay Landfill, the Nassau County Firemen's Training Academy and the Old Clairmont Plating Facility. All three of these sites are on Winding Road in Bethpage. We are being told by our engineers at H2M that our well on Eastern Parkway where our water tower sits could be impacted in as little as 10 to 15 years from now. The cost for well treatment could be in the millions of dollars.

Even before your Board had this information, it was a known fact that we were in need of a new fourth well due to ever-increasing demands and the potential fire-fighting issues we could face if a well went down during peak demand in the summer.

With these facts, your Board applied for, and received, a \$25,000 State grant to study shared services and potential management of our water department with our surrounding water districts. Due to the toxic plumes and the inability to safely drill a well inside our Village, we had to look beyond our borders for solutions.

We are currently in discussions with the Bethpage and Suffolk County water departments. To exacerbate the problem further, we are in need of approximately 2 million dollars worth of upgrades to our water system to bring us up to 21st century controls and standards.

There is some good news to all this. We are on top of the situation and have plenty of time to formulate a plan. The options that have been discussed with other districts are very positive. We are a profitable water department and will have the resources needed to move forward and address our needs.

As talks progress you can be assured that we will keep you informed. The plume study will be posted on the village website so you can get the exact details as we know them and they become available.

In closing, please use water judiciously. Follow best practices when it comes to cleaning up after your pets. Clean the streets of grass clippings, excess fertilizers that miss the target and any other material that could end up in our road drains. Thank you.



George "Butch" Starkie



WATER DEPARTMENT - 2010 WATER QUALITY TESTING

The Inc. Village of Farmingdale is pleased to present to you this year's Water Quality Report. It is required to be delivered to all residents of our Village in compliance with Federal and State regulations.

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 also want you to understand the efforts we make to continually improve the water treatment process and protect our water resources.

The source of water for the Village is groundwater pumped from the Magothy aquifer beneath Long Island, as shown on the figure below. Generally, the water quality of the aquifer is good to excellent, although there are localized areas of contamination.

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 concerning your water supply, please contact the Water Department Supervisor at (516) 249-0111 or the Nassau County Department of Health at (516) 227-9692. We want our valued customers to be informed about our water system.

The USEPA established a Lead and Copper Rule that required all public water suppliers to sample and test for lead and copper at the tap. The first testing was required in 1992. All of our results were excellent indicating that the Village'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 last conducted in 2010 with the same excellent results. The Village will conduct its next round of sampling and testing in 2013.

The Inc. Village of Farmingdale routinely monitors for different parameters and contaminants in your drinking water as required by federal and state laws. Last year, as in the past, your tap water met all the State Drinking Water Health Standards. This report and the table of laboratory test results, shown on page 3, present an overview of last year's water quality. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk. Most of these constituents are naturally present in the water such as minerals and other inorganics. For more information on contamination and potential health risks, please contact the USEPA Safe Drinking Water Hotline at 1-800-426-4791.

WATER CONSERVATION
In 2010, the Inc. Village of Farmingdale continued to implement a water conservation program in order to minimize any unnecessary water use. However, the pumpage for 2010 was 13 percent more than in 2009. This is most likely the result of the Village's water conservation program and the hotter and drier weather conditions during the summer months of 2010 compared to 2009.

Residents of the Village can also 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 CONSUMPTION

The population served by the Inc. Village of Farmingdale during 2010 was 8,744. The total amount of water withdrawn from the aquifer in 2010 was 477 million gallons, of which approximately 68 percent was billed directly to consumers. During 2010, the Village utilizes a step billing schedule, as shown on the next page, with the average consumer being billed at \$2.50/1000 gallons.

STEP SCHEDULE OF WATER RATES (Annually)

Consumption (gallons)	Charges
0 to 20,000	\$50.00 (min.)
20,001 to 45,000	\$2.35/thousand gallons
45,001 – 75,000	\$2.55/thousand gallons
75,001 – 100,000	\$2.85/thousand gallons
Over 100,000	\$3.40/thousand gallons

WATER TREATMENT

The Inc. Village of Farmingdale Water Department provides treatment at all 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 corrosive action between the water and water mains and in-house plumbing by the addition of sodium hydroxide. The village also adds small amounts of calcium hypochlorite (chlorine) as a disinfecting agent and to prevent the growth of bacteria in the distribution system.

WATER QUALITY

In accordance with State regulations, the Village of Farmingdale 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 contaminants are tested for in each of our wells numerous times per year. The table presented on page 3 depicts which constituents were detected in your drinking water. It should be noted that many of these constituents are naturally found in all Long Island drinking water and do not pose any adverse health affects.

SOURCE WATER ASSESSMENT

The NYSDOH, with assistance from the local health department, has completed a source water assessment for this system, based on available information. Possible and actual threats to this drinking water source were evaluated. The source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how rapidly contaminants can move through the subsurface to the wells. The susceptibility of a water supply well to contamination is dependent upon both the presence of potential sources of contamination within the well's contributing area and the likelihood that the contaminant can travel through the environment to reach the well. 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 section "Water Quality" for a list of the contaminants that have been detected.

The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from three (3) drilled wells. The source water assessment has rated the wells as having a very high susceptibility to industrial solvents and two (2) of the wells as having a high susceptibility to nitrates. The elevated susceptibility to industrial solvents is due primarily to point sources of contamination related to commercial/industrial facilities and related activities in the assessment area. The elevated susceptibility of nitrates is due to residential land use and related practices, such as fertilizing lawns, as well as the commercial/industrial activities in the assessment area.

A copy of the assessment, including a map of the assessment area, can be obtained by contacting the Village Hall.

Copies of a Supplemental Data Package, which includes the water quality data for each of our supply wells utilized during 2010, are available at the Inc. Village of Farmingdale – Village Hall located at 361 Main Street, Farmingdale, New York and the Farmingdale Public Library.

If you want to learn more, please attend any of our regularly Village Board scheduled meetings. They are normally held the 1st Monday of the month at 8:00 p.m. (work sessions at 7:00 p.m.) and all are posted on the Village website.

We at the Inc. Village of Farmingdale 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.

INC. VILLAGE OF FARMINGDALE WATER DEPARTMENT TABLE OF DETECTED CONSTITUENTS						
Constituents	Violation (Yes/No)	Date of Sample	Last Detected Change	Unit Measure- ment	MCL (2010) 2003, ET AL 2003	Regulatory Limit Level Source of Constituent
Inorganic Contaminants						
Copper	No	Representative 2009-2010	10/20-10-4	mg/L	1.3	AL = 1.3 Violation of galvanized pipes. Violation of treated discharges.
Lead	No	Representative 2009-2010	10/20-3-9	mg/L	9	AL = 15 Violation of treated discharges. Violation of natural deposits.
Boron	Yes	06/28/09	7.2 - 30.7	mg/L	n/a	NYSDEC = 300 Naturally occurring
Manganese	Yes	06/29/09	5.05 - 6.05	mg/L	n/a	NYSDEC = 300 Naturally occurring
Strontium	Yes	06/28/09	11.3 - 27.2	mg/L	n/a	NYSDEC = 250 Naturally occurring
Iron	Yes	06/28/09	5.05 - 40	mg/L	n/a	NYSDEC = 300 Naturally occurring
Potassium	Yes	06/29/09	1.4 - 1.8	mg/L	n/a	NYSDEC = 15 Result from fertilizer and leaching from soils beds and seepage
Calcium	Yes	06/28/09	2.7 - 3.2	mg/L	n/a	Naturally occurring
Magnesium	Yes	06/29/09	1.1 - 1.8	mg/L	n/a	Naturally occurring
Nonradioactive Contaminants Including Pesticides and Herbicides						
Toxic Electrical	—	—	—	—	—	—
Radological						
Radium 226	Yes	06/28/09	10.0 - 1.8	pic/L	—	NYSDEC = 1 pic/L Naturally occurring
Radium 228	Yes	06/29/09	0.19 - 1.7	pic/L	—	NYSDEC = 1 pic/L Naturally occurring
Volatile Organic Contaminants						
Chloroform	Yes	12/28/09	100 - 44	ug/L	—	NYSDEC = 80 Disinfection by product
Organic Contaminants						
Phenol	—	—	—	—	—	—
Notes:						
Maximum Contaminant Level (MCL): The highest level of a constituent that is allowed in drinking water. MCLs are set at one-half of the MCLs on a flexible basis.						
Maximum Contaminant Level Goal (MCLG): The level of a constituent in drinking water below which there is no known or expected risk to health.						
Action Level (AL): The concentration of a constituent which, if exceeded, requires treatment or other requirements which a water system must follow.						
Treatment Techniques (TT): A required process intended to reduce the level of a constituent in drinking water.						
NYSDEC = 300: The maximum of the MCL and MCLG.						
NYSDEC = 1 pic/L: Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).						
NYSDEC = 100: Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).						
ppb = plus/minus one Unit in a million of inaccuracy in testing.						
NYSDEC = 100 ug/L: A laboratory analysis indicates that the constituent is not present.						
— During 2010 we collected and analyzed 21 samples for lead and copper. The 90th percentile level is presented in the table. The action levels for both lead and copper were not exceeded in any test results. Remediation is underway for 2011.						
n/a = NYSDEC has been established for sodium. However, 30 mg/L is a recommended guideline for people with high blood pressure due to the relationship between sodium and blood pressure.						

FROM THE OFFICE OF FFD CHIEF SCHERER

On Wednesday, May 4th at approximately 9:30 pm, the Farmingdale Fire Department was alerted to an EMS alarm on Prospect Street in the Village. Upon their arrival and after evaluation, the crew determined that the patient required rapid transport as well as advanced life support. After getting the patient into the ambulance, the patient went into cardiac arrest. Led by Rescue Lieutenant Frank Romano, the crew comprised of Chief Chauffer Tom Kelly, Ryan Kelly and Kenny Zirkelback along with assistance from the Nassau County Police Department Emergency Ambulance Bureau AMT Nancy Hawes began CPR and a pulse was reestablished during transport to St. Joseph's Hospital.

As of 24 hours after the alarm, the patient was still breathing through advanced airway management, the immediate status of the patient is unknown at this time.



In Memoriam

The Farmingdale Fire Department suffered a great loss on Tuesday, May 3, 2011. Ex-Chief and current Commissioner Tim Dillon passed away suddenly. Tim will be sorely missed. He was a valued member of the Farmingdale Fire Department. Our sympathies go out to his family and friends. Tim was a life member of the Water Witch Engine and Hose Co. No. 1 and had 33 years of dedicated service. Tim and I came up through the ranks together and was my 1st Assistant Chief when I was Chief of the Department in 1987-89. I will sorely miss his friendship and guidance.

Jack Scherer
Chief, Farmingdale Fire Department