



HEMPSTEAD VISIONS

MAY 2013

VOL. 26 NO.7

A Message From Mayor Hall



An active citizenship is fundamental to the prosperity of our Village. Over the past few months, your civil servants have worked hard to launch several new Village programs, as well as to maintain preexisting ones. These include activities and clubs offered by the Village Department of Parks and Recreation and Hempstead Public Library, the new Village Line service, and several health and wellness initiatives. Together, these provide a wonderful addition to the daily lives of Hempstead residents, but they can continue only if you take advantage of them. Make it a point this year to get involved in all the Village of Hempstead has to offer.

The summer provides ample occasion for recreation and educational activities. You can take tennis or boxing lessons, learn how to swim or make ceramics, or take in a summer concert. With children out of school for several weeks, now is the perfect opportunity to spend more time with your family. The Hempstead Library offers an array of activities for the whole household, all of which are free or under one dollar. For a complete listing and details of all the programs offered by the Department of Parks and Recreation and the library, see pages 4-5 of this newsletter.

Staying involved means more than just participating in leisure activities. It means each of us doing our part for the continual improvement of our Village. You, the residents of this community, are our eyes and ears out on the street. If you see any public works in need of repair or attention — a sign that has fallen over or hydrant spraying water, for example — please report it with our new, user-friendly Village Line. With a single phone call, you can report problems and ensure they are corrected quickly. It will take only a moment of your time, and it greatly increases the quality of life for you and your fellow residents. For details on the Village Line, see page 3 of this newsletter.

There are also opportunities to take advantage of the wonderful summer weather to focus on a commitment to healthy living. The Healthy Hempstead Walking Club and the Tyler Curry Memorial Walk and 5K are two physical-fitness events being offered by the Village. For information on these, as well as helpful tips on making healthy choices, see page two.

As my third term in office begins, I remain as committed as ever to the betterment of the Village. I am immensely proud of the hard work by Village employees that went into the organization of our programs. Please participate in one or more of these, for your own benefit and enjoyment, and so that others may continue to benefit as well.

Sincerely,

Wayne J. Hall Sr.
Mayor of the Incorporated Village of Hempstead

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Healthy Lifestyle Choices Are at the Forefront as Summer Approaches

Through several initiatives undertaken by Mayor Hall, Hempstead Village is increasingly enhancing opportunities for residents to improve their overall health and wellness.

Let's Move! Cities, Towns and Counties

As continuing research demonstrates, developing healthy choices at a young age greatly increases the probability that a healthy lifestyle will be maintained as an adult. That's why it is so important to encourage children to be active and make good food choices. To that end, the Village is partnering with Let's Move! Cities, Towns and Counties (LMCTC). As part of First Lady Michelle Obama's Let's Move campaign, LMCTC assists local elected officials in implementing policy and environmental changes that help raise awareness about childhood obesity. Our partnership in this initiative is one step toward helping families learn the risks of obesity and how they can be prevented.



Race participants gathered at the starting line of Mayor Hall's 5K race last June. This year, the race will be dedicated to the late Tyree Curry, the Village's former photographer and a beloved community member.

Get Fit, Enjoy the Fresh Air, and Make New Friends

With spring upon us and summer right around the corner, now is the time to take advantage of the weather and commit to a healthier, more active lifestyle. Everyone is welcome to join Mayor Hall for the Healthy Hempstead Walking Club. The club convenes every Monday and Wednesday at 7 a.m. for a walk around Field 1 at Eisenhower Park, located at the intersection of Merrick Avenue and Hempstead Turnpike. Another great way to enjoy the beautiful weather is to participate in the Tyler Curry Memorial 5K Race/Walkathon, scheduled this year for Saturday June 14. To register for the race, please contact Sherina Gonzales at 516-485-5737, ext 229 or sgonzales@hempsteadvillagecda.org. You don't need an expensive gym membership or personal trainer to add exercise to your lifestyle. It can be as simple as taking a walk on a cool evening, visiting a playground or park with your child or grandchild, or joining one of the Village-sponsored summer programs listed on page 4 and 5 of this issue. By making even small changes in our activity and choosing healthier, lower-fat alternatives to a few meals or snacks each day, we can all be happier and more fit.

Eating a nutritional diet is not difficult, and it is important to know what an appropriate diet consists of and to have the dedication to stick with it. Included among tips recommended by the FDA are:

- Eat plenty of fruits, vegetables and high-fiber foods.
- Keep your overall fat intake to a minimum.
- Limit sodium and salt intake. The FDA recommends limiting salt to no more 2,300 milligrams a day, or about one teaspoon.
- Limit alcohol intake.
- Eat foods high in potassium, and choose low-fat or non-fat dairy options over more fattening ones.
- Quit smoking.

Shotspotter Sensors Improve Safety Villagewide

The Village has seen a continual decrease in crime over the last few years, and Mayor Hall's administration remains committed to providing the Hempstead community with services that improve the overall quality of life and safety for each resident. To that end, Shotspotter sensors were installed throughout the Village this past winter.

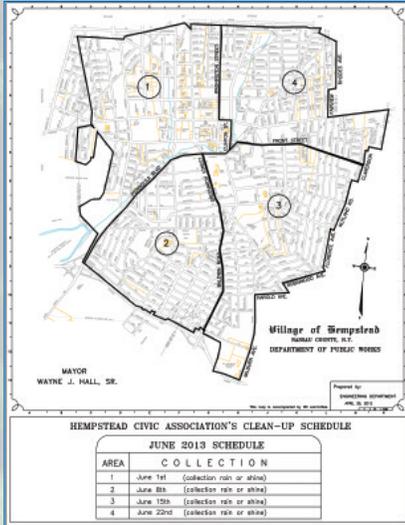
A new measure to protect residents, the Shotspotter gunshot locator system was purchased with part of the Village's budget surplus. This system provides wide-area acoustic surveillance for gunshots, as well as other large explosive occurrences. The sensors, which were installed in areas most prone to drug- and gang violence, provide our police officers with immediate information and intelligence to respond quickly to gunfire incidents. This technology, in combination with Operation Ceasefire, which focuses on illicit gun trafficking and violent gang offenses, and traditional policing methods, continues to increase safety in our Village.

Several years ago the Village partnered with Nassau County to clean up Terrace Avenue, which resulted in an 87 percent decrease in crime. With the Shotspotter system in place, the Village administration and police department continue to work with county officials to dramatically improve the safety and security of the Hempstead community. This August, when enough data has been collected to compare to previous crime decreases, the Village will provide a report to the community.

Please remember to report any information you may have about a crime to VillageLine or 1-800-222-TIPS. Crime Stoppers USA offers a cash reward of up to \$2,000 to anyone who gives information leading to the arrest of an offender. All reward money comes from private donations, and all callers remain anonymous.

Working together, we will make Hempstead a crime-free community.

Spring Cleanup Days!



Mayor Hall, the Hempstead Coordinating Council of Civic Associations, Inc., the Village of Hempstead Sanitation/Recycling Department and your local block/civic association are working together to coordinate spring Neighborhood Cleanup Days. The cleanup begins on Saturday, June 1, and runs each Saturday through June 22, between the hours of 8 a.m. and 4 p.m.

Residents can take this opportunity to clean up attics, basements, sheds, yards and garages, and to dispose of unwanted house and yard furniture, tree limbs, broken electrical equipment, small and large appliances. Branches and shrubbery must be tied in bundles. You must leave items at the curb after 5 p.m. on the Friday before your scheduled pickup day. Note that regular trash, magazines, newspapers, recyclables, auto parts, batteries, propane tanks, paint cans, toxic or flammable containers are not included in this special pickup.

Following the cleanup project, Village inspectors will tour the community and ticket/fine any resident who has leftover visible trash/garbage on their property. Therefore, we ask everyone to remove anything that sanitation workers do not pick up Saturday. Please

also note that you must wrap mattresses and box springs in plastic or sanitation/recycling will not pick them up.

The pickup schedule is as follows:

- Saturday, June 1, 2013, section #1 – Northwest Hempstead
- Saturday, June 8, 2013, section #2 – Southwest Hempstead
- Saturday, June 15, 2013, section #3 – Southeast Hempstead
- Saturday, June 22, 2013, section #4 – Northeast Hempstead

Residents who wish to participate in Neighborhood Cleanup Day must fill out a registration form. Forms can be mailed on request, or picked up at 236 Fulton Avenue, Suite 202, Hempstead, NY. Completed forms must be returned to the Hempstead Coordinating Council of Civic Associations, 73 Nichols Court, P.O. Box 4484, Hempstead, NY 11550, by mail, fax or in person. The fax number is 516-414-4546. The Hempstead Coordinating Council of Civic Associations must receive your registration form by Wednesday, May 29, 2013. Please note that the Council will not accept applications after the May 29 deadline.

Update on the New Village Line Service

You're driving around the Village, checking items off your weekly to-do list. You notice a traffic light not working, causing traffic to back up and keeping you from getting to your destination. You want to do the right thing — call in and report the problem — but you don't want the hassle of dealing with a complicated touch-tone menu. In many other cities and towns, that is exactly what you'd have to do; but in the Village of Hempstead, there is now one line you can call to report any issues in the Village, whether it's a faulty traffic light, pothole or damaged sign. It's called the Village Line, and, since launching in March of this year, its enabled more than 250 residents to help improve our community easily and efficiently.

The Village Line is a complete platform for reporting service needs. Residents can submit requests to Village departments using a phone line, the Village of Hempstead website, or a smart phone application on your iPhone or Android device. This system provides direct communication between the Village and community members, and functions with automated routing to ensure that a request for action is quickly forwarded to the right person in the right department.

Residents can call 516-478-6333 from 8:30 a.m. to 4:15 p.m. on weekdays to access a trained operator who will direct calls and enter requests and complaints into the internet-based system, QAlert. Any resident who registers a service request will receive a ticket number, and can check in on the status of their request without having to restart the whole process.

As more and more people begin to take advantage of the Village Line, we'll be able to make the service even more efficient and useful. With your help, we continue to improve the quality of life for all residents of the Village of Hempstead.



Hempstead Public Library

'DIG INTO READING' Summer Reading Program 2013

Registration begins on Saturday, June 22, at 2 p.m. Register and enjoy *Erik's Reptile Adventures*, a hands-on experience with interactive activities. Reporting begins on Monday, July 8. Reporting hours are from 10 a.m. - 8 p.m., Monday through Thursday, and from 10 a.m. - 5 p.m. on Friday. The final day for reporting is Tuesday, August 6. All children who have reported on at least three books will be invited to attend the PetraPuppets *Can You Dig It?* party on Friday, August 9, at 2:30 p.m. Enjoy this fun-filled puppet show with comedy, music and audience participation. Prizes will be raffled and refreshments will be served.

Summer Programs

All programs require registration in the Children's Room.

Cup of Worms: Using model magic, children will have fun making cups of worms digging in dirt. For children in kindergarten through grade 5. Wednesday, July 10, at 4 p.m. Fee: 50 cents.

Ancient Artifacts: Become an archeologist and unearth artifacts in this hands-on program from the Long Island Children's Museum. For children in kindergarten through grade 5. Thursday, July 19, at 4 p.m. Fee: 50 cents.

Soil Soiree: Using magnifying glasses, children search for earth worms and other bugs in the soil. Then they create dirt paintings like those of the Korhogo people of Africa. Presented by the Cold Spring Harbor

Whaling Museum. For children in kindergarten through grade 5. Fee: 50 cents.

Dazzling Dinosaur Banner: Create a banner of a dazzling, digging dinosaur. For children ages 4 to 9. Tuesday, August 6, at 4 p.m. Fee: 50 cents.

Ongoing Programs

Family Night Chess Workshop: Join us on Tuesdays July 9, 16, 23 and 30, at 7 p.m to learn the game and work on your skills. For children in grades 3 and up. Parents welcome. **Free.**

Picture Book Times: Enjoy stories, animal friends and songs on Tuesdays at 11 a.m. July 2, 9, 16, 23 30, and August 6. For children ages 3-6. **Free.**

Game Days: Have fun playing Legos, board games and other children's games on Fridays July 5, 12, 19, 26 and August 2, at 3 p.m. For the whole family. **Free.**

Pajama Time: Come in your pajamas with your stuffed animal, listen to stories and sing songs and make a craft. Program presented in English and Spanish at 7 p.m., Thursday, July 11; Tuesday, August 6; and Wednesday, September 11. For children ages 3-6. **Free.**

Book Buddies: Children 3-5 years old can enjoy one-on-one reading with a young adult in the Children's Room. On Wednesdays July 10, 17, 24 and 31 and August 7 and 8 at 2:30 p.m. **Free.**

Register for Our Summer Programs Offered by the Village Department of Parks & Recreation

Registration for all summer programs will begin on Friday, May 31, and run until Friday, June 21.
Applications for all programs can be picked up at Kennedy Park between the hours of 9 a.m. and 9 p.m.

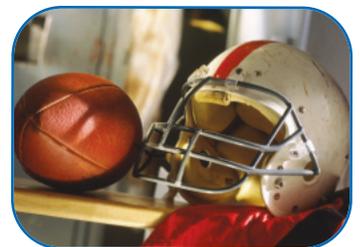
Boxing: We are looking for young boys and girls above the age of 10 who are interested in the sport of boxing. The young athletes will be taught the fundamentals and skills of boxing by one of our three boxing coaches. Boxing coaches are available Monday - Friday from 4 p.m. - 8 p.m. Boxers will compete in the Golden Gloves, Metro Champs and the Empire State Games.

Ceramic Classes: Youth ceramic lessons will be held for children in grades one through six on Saturday mornings from 9 a.m. - 11:30 am. This program will cover the fundamentals of the art of ceramics. There is no cost for this class. All supplies will be provided by the Recreation Department.

Midget Football and Cheerleading: The Recreation Department is looking for Hempstead boys and girls over the age of five to participate in our Midget Football Program. Players will be taught the fundamental techniques of football by certified coaches. Techniques include blocking, passing and

overall game strategy. These techniques will then be put to the test in weekly football games against other municipalities in the Nassau County Youth Football League.

League play begins in September. Girls are also encouraged to register to become cheerleaders for the teams of the Hempstead Midget Football League. Cheerleader registration will also be at this same time. Registration begins on Wednesday, May 1, 2013 and ends on Friday August 2, 2013. The program fee is \$125 per child. Cash or money order is accepted; children 5 through 12 years of age can participate in the program.



Summer Concert Series: Once again, the Incorporated Village of Hempstead's Department of Parks & Recreation is proud to

presents a series of **FREE** concerts to all Village residents this summer. Residents are invited to bring blankets or chairs and come to Kennedy Park to enjoy an evening of good music. Concerts will be held on Friday evenings during July and August from 6:30 p.m. - 8 p.m.

Summer Camp Program: All children between the ages of 6 - 12 are invited to be part of our Summer Camp Program. Each week, campers will participate in different activities. Weekly activities will include basketball, bowling, roller skating, field trips, arts and crafts, swimming and tennis. Camp T-shirts will be issued to all children. Swim suits and towels should be brought in a plastic bag on pool days. Registration for summer camp begins on **Friday, May 31, 2013** and ends on **Friday, June 21, 2013**. Summer camp begins on Monday, July 8, 2013 and ends on Friday, August 16, 2013. Daily program activities will be from 9 a.m. - 3 p.m. Children must be picked no later than 3:15 p.m. The program cost is \$500 and is limited to the first 30 children.

Swim Lessons (Adults):

Swim lessons for adults will be offered at the Kennedy Park pool. Classes will meet four evenings a week, Monday - Thursday between the hours of 6 p.m. and 7 p.m. This class is open to all adults over the age of 18. A minimum of 12 adults are needed for this class. The fee is \$ 50. The program begins on Monday, June 24, 2013, and ends on Thursday, July 18, 2013



Swim Lessons (Children): Registration will be on a first-come, first-serve basis. All children must be six years of age. Any child wishing to register must be accompanied by a parent or a guardian. Classes will meet four days a week, Monday through Thursday, between the hours of 9 a.m. - 10 a.m. This year there will be two sessions, beginner and advanced. The beginner program starts on Monday, June 24, 2013 and ends on Thursday, July 18, 2013, while the advanced program begins on Monday, July 22, 2013 and ends on Thursday, August 15, 2013. The fee for both programs is \$50

Swim Team Tryouts: All Village children are invited to try out for the Recreation Department's swim teams. The Recreation Department sponsors two swim teams during the summer that compete in the Nassau Municipal Swim Conference. Our Village youth will compete against teams from other municipalities within Nassau County. This year, our swimmers will be battling for their 14th Dual Meet Championship and their 11th Division I league title. Practice is Monday through Friday at the Kennedy Park pool from 8 a.m. - 10 a.m. Dual meets are on Saturday mornings, while class meets are held every Tuesday and Thursday afternoon. Tryouts begin on Monday, June 24, at 9 a.m. at the Kennedy Park pool.

Tennis Lessons: Tennis lessons for all interested residents will be offered at the Kennedy Memorial Park tennis courts. Tennis lessons will be provided by three certified tennis instructors.

These lessons will be given every Saturday. There is no cost for these lessons. **Classes will be limited to 20 participants.** Each session will be 1½ hours long. Under 15 lessons will be held on Saturdays from 9:30 a.m – 11 a.m. Lessons for those over 15 will follow immediately after, from 11 a.m. – 12:30 a.m.

Youth Cooking Class: This class for youth over the age of eight will be held on Saturday mornings from 10 a.m. - 12 p.m. All Village children are invited to enjoy the creative and exciting world of cooking. Our program will cover the basic techniques and safety of cooking. Students will prepare different types of food on a weekly basis. This class will be taught by a certified instructor. There will be no cost for this class.

Senior Ceramics Class: All Village seniors are invited to come and enjoy the creative world of ceramics. Our program is for beginning and advanced ceramics students, and is taught by a state-certified instructor. The only cost is the price of the ceramic greenware that you use. This class meets Friday mornings from 10 a.m. - 1 p.m.

Ladies' Fitness: These exercise classes are designed for women who desire to improve their overall physical condition through stepping, kickboxing and body sculpting. Classes will feature the latest exercise techniques to help build step combinations, plus new and innovative concepts in interval training with body bars, light hand weights and jump ropes. This up-to-date program will help you progress to a new level of overall body fitness. Our classes are taught by certified instructors. All participants must bring towels to class and must wear the appropriate exercise clothing in class. Classes meet on Monday through Thursday from 6 p.m. - 9 p.m.

Table Tennis: All adults are invited to participate in the fast-paced sport of table tennis. Individual and team play is held every Tuesday and Thursday evening from 6 p.m. - 9 p.m. at Kennedy Park.

Weight Room: The weight room at Kennedy Park is open Monday through Friday from 9 a.m. - 2 p.m. and 4 p.m. - 8 p.m. All adults over the age of 18 are invited to use our weight facility to help build muscular strength and endurance. There is a \$25 per year charge to use this facility.

Youth Golf Lessons: All Village youth between the ages of 8 and 17 are invited to participate in our youth golf lessons. All lessons will be held at Kennedy Park. Lessons will be on Monday, Wednesday and Friday afternoons from 4 p.m. - 5 p.m.



Pools: The swimming pool complex at Kennedy Park will open for the summer swim season on Thursday, June 20, 2013. Hours and days of operation will be Monday through Sunday from 10 a.m. - 8 p.m. Bathing suits are required.

Inc. Village of Hempstead
Water Department



2012 CONSUMER CONFIDENCE REPORT and ANNUAL WATER SUPPLY STATEMENT

February 2013

**Wayne J. Hall, Sr.
Mayor**

**Michael Taylor
Water Plant Supervisor**

Prepared By:
J.R. Holzmacher P.E., LLC
Consulting Engineers

300 Wheeler Road, Suite 402
Hauppauge, New York 11788
(631) 234-2220 Phone
(631) 234-2221 Fax

CONSUMER CONFIDENCE REPORT
and
ANNUAL WATER SUPPLY STATEMENT
for the
INCORPORATED VILLAGE OF HEMPSTEAD
(Public Water Supply ID# 2902827)
2012

A Message from the Mayor

Dear Hempstead Village Resident:

On behalf of the Village's Water Department, I am pleased to provide you with a copy of our **CONSUMER CONFIDENCE REPORT and ANNUAL WATER SUPPLY STATEMENT**. This report is provided each year to give you important information about the quality of drinking water in the Village of Hempstead, pursuant to state and federal regulations.

Water is one of our most precious natural commodities, and our drinking water supply is both safe and plentiful. In fact, Long Island has one of the safest and most tightly regulated public water supply systems in the entire country.

We must do everything possible to ensure that both the quality and quantity of our drinking water is protected now and in the future. To achieve these objectives, the Village continues to draw on the \$7 million federal grant from the Environmental Protection Agency to implement projects to improve the safety, reliability and cost effectiveness of the water system including leak detection; well screen, piping, pump and valve replacements and security improvements. The Village worked diligently to obtain past grants and we will continue efforts to secure additional funding sources to protect our water quality and reduce the cost burden on our residents.

In addition to projects now in construction, further improvements including enhancements to well control and security systems, electrical efficiency and covering the treatment basins are moving from the planning stage toward construction.

This report provides all the information required under both state and federal regulations, together with additional information that you may find useful. Included is information relative to the current status of the Water Quantity, Water Quality, & Water Conservation Program of the Incorporated Village of Hempstead. A summary of the 2012 laboratory testing results from the distribution system and a review of water conservation measures available to the Village's consumers are also provided. Laboratory testing data for each well has been placed in the Hempstead Public Library and may also be obtained at Village Hall, 99 Nichols Court, Hempstead, New York during regular business hours (8:30 - 4:15 Monday - Friday).

In the meantime, should you have any additional questions, please contact my office at 489-3400. Thank you for your continued interest in our community and our most precious natural resource.

Sincerely,



Wayne J. Hall, Sr.
Mayor

Introduction

To comply with State and Federal regulations, the Village of Hempstead issues an annual report describing the quality of our 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 6,777 tests on the water, for 104 different chemicals, contaminants, or water quality parameters. We detected 21 of those chemicals, contaminants, or water quality parameters in the distribution system with none of those at a level higher than what the State allows. This report provides an overview of last year's water quality, and includes 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 Mayor Wayne J. Hall, Sr. at (516) 489-3400. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled Village Board meetings. The meetings are held the first and third Tuesday of each month (except July and August only the first Tuesday) in Village Hall, and start at 7:00 PM.

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.

The New York State Department of Health (NYSDOH) 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 "Are There Contaminants in our Drinking Water?" for a list of the contaminants that have been detected (if any). The source water assessments provide resource managers with additional information for protecting source waters into the future.

Drinking water is derived from nine wells. The source water assessment has rated all of the wells as having a very high susceptibility to industrial solvents and a high susceptibility to nitrates. The elevated susceptibility to industrial solvents is due primarily to point sources of contamination related to transportation routes, and commercial/industrial facilities and related activities in the assessment area. The elevated susceptibility to nitrates is due to residential land use and related practices, such as fertilizing lawns, as well as the historical use of cesspools and agricultural activities in the assessment area.

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

The source of water for the Village is groundwater drawn from the Magothy aquifer through nine drilled wells, ranging from 365 to 535 feet deep. These wells are located at the Clinton Street and Laurel Avenue Water Plants. During 2012, our system did not experience a restriction of our water source. However, Well 8 was kept out of service awaiting a new screen as the old one was passing sand. Wells 1RR, 2R, 3R, 4, 5, 6R, 7, and 9 were available for operation throughout the year except for periods of scheduled maintenance.

Plumes of volatile organic compounds have impacted the water quality in portions of the Magothy aquifer, and water from impacted wells is treated, prior to being pumped to the distribution system, as described below.

Types of Water Treatment

The pH of the untreated water is low (acidic), and some of the wells have high iron levels prior to treatment. Iron is an aesthetic problem and is not health related. The water obtained from the Village's active wells meets all water quality criteria established by Federal and State agencies after treatment.

The Incorporated Village of Hempstead provides several types of treatment at all wells to improve water quality prior to distribution of water to the consumer. The pH of the water pumped is adjusted upward by the addition of caustic soda to reduce corrosive action between the water and water mains and household plumbing. Sequestering agents in the form of sodium hexametaphosphate and linear poly- and ortho-phosphates are added to keep dissolved iron in solution and prevent the staining of laundry and fixtures. The water from Wells 1RR, 2R, 3R, 4, 5, 6R, and 8 at Clinton Street Plant is aerated to remove volatile organics, increase pH and oxidize iron. After aeration, chlorine is added to the water to prevent bacterial growth in the distribution system. Two air stripping towers have been in operation to remove higher concentrations of volatile organics found in the water from Wells 1RR, 4, 5 and 8. Manganese Green Sand filters are used to remove dissolved iron from the water produced by Wells 7 and 9 at the Laurel Avenue Plant.

Very few chemicals are utilized to accomplish water treatment. The following table lists all of the treatment methods used by the Village:

WATER TREATMENT METHODS

METHOD	PURPOSE	CHEMICALS ADDED
Chlorination	Disinfection	Sodium Hypochlorite, Calcium Hypochlorite
Air Stripping	VOC Removal	None
Nozzle Stripping	Oxidation of Iron, VOC & Carbon Dioxide Removal	None
Iron Filtration	Remove Iron to Improve Aesthetics & Reduce Staining	Sodium Hypochlorite, Potassium Permanganate
Iron Sequestering	Improve Aesthetics & Reduce Staining	Sodium Hexametaphosphate; Blend of Linear Poly & Ortho Phosphates
Corrosion Control	Reduce Metals Leaching From Household Plumbing	Caustic Soda (sodium hydroxide)

VOC = volatile organic compounds

Facts and Figures about the Village Water System

The Village of Hempstead provides water to an official population of 53,891 full time residents (2010 Census) through 9,257 service connections. The water system includes 93.4 miles of water mains to serve an area of 3.8 square miles located within the village boundaries. The total amount of water withdrawn from the aquifer in 2012 was 2,124,000,000 gallons, of which approximately 81 percent was billed directly to consumers. The unbilled water was used for well and water main flushing, fire fighting, services to Village buildings, and losses due to leaks and water main breaks. The daily average of water treated and pumped into the distribution system is 5,819,178 gallons per day. Our highest single day was 7,975,000 gallons on July 7, 2012. The Inc. Village of Hempstead billed its consumers through a five-tier step schedule to encourage water conservation as follows:

2012 Water Rates (Effective August 1, 2012)	
Consumption (gallons per billing period)	Billing Rate
0-50,000	\$2.47/1000 gallons
50,001-100,000	\$3.39/1000 gallons
100,001-500,000	\$4.79/1000 gallons
500,001-1,000,000	\$5.75/1000 gallons
over 1,000,000	\$6.31/1000 gallons

In 2012, the annual average water charge per household was approximately \$568.

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, nitrate, nitrite, lead and copper, and other inorganic compounds; total trihalomethanes and volatile organic compounds; and synthetic organic compounds. The table presented below depicts which compounds are detected in your drinking water. A list of the contaminants tested for but not detected is contained in later sections of this report. 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, may be more than one year old. In addition to testing the treated drinking water delivered to your tap, the village also tests the quality of the raw water prior to treatment. The results of raw water samples from each well are contained in a Source Water Data Supplement. The Supplement has been placed in the public library and copies may be obtained at Village Hall.

It should be noted that all drinking water, including bottled water, might 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) or the Nassau County Department of Health at (516) 227-9697.

TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date of Sample	Level Detected (Range) (Avg/Max)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
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Primary (Health Related) Inorganic Contaminants

Lead ^{1,2}	No	Various Each Month	ND 9.0 0.50 ¹ ND 9.0	ug/l ug/l	0	AL ² = 15	Corrosion of household plumbing systems
<p>Health Effects Language provided by the New York State Department of Health: Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.</p>							
Nitrate	No	6/07/12 12/04/12	ND .68 .39 .68	mg/l	10	MCL = 10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
<p>Health Effects Language provided by the New York State Department of Health: Nitrate in drinking water at levels above 10 mg/l is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.</p>							

Contaminant	Violation Yes/No	Date of Sample	Level Detected (Range) (Avg/Max)		Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
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Barium	No	12/04/12	0.003	0.009	mg/l	1	MCL = 1	Naturally occurring in some limestones, sandstones, and soils in the eastern United States
			0.006	0.009	mg/l			

Secondary (Aesthetic) Inorganic Parameters

Chloride	No	12/04/12	33.1	49.8	mg/l	n/a	MCL = 250	Naturally occurring or indicative of road salt contamination
			41.45	49.8	mg/l			

Copper ^{1,2}	No	Various each month	ND	0.29	mg/l	1.3	AL ² = 1.3	Corrosion of household plumbing systems
			0.11 ¹	0.29	mg/l			
			0.06	0.29	mg/l			

Iron ³	No	12/04/12	ND	90	µg/l	n/a	MCL = 300	Naturally occurring
			50	90	µg/l			
<p>Health Effects Language provided by the New York State Department of Health: Iron has no health effects. At 1,000 µg/l a substantial number of people will note the bitter astringent taste of iron. Also, at this concentration, it imparts a brownish color to laundered clothing and stains plumbing fixtures with a characteristic rust color. Staining can result at levels of 50 µg/l, lower than those detectable to taste buds. Therefore, the MCL of 300 µg/l represents a reasonable compromise as adverse aesthetic effects are minimized at this level. Many multivitamins may contain 3000 or 4000 µg of iron per capsule.</p>								

Sodium	No	12/04/12	18.6	54.6	mg/l	n/a	(see health effects below)	Naturally occurring; Road salt; Water softeners; Animal waste
			36.6	54.6	mg/l			
<p>Health Effects Language provided by the New York State Department of Health: Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.</p>								

Sulfate	No	12/04/12	12.1	25.9	mg/l	n/a	MCL = 250	Naturally occurring; Agriculture and lawn fertilizers
			19.0	25.9	mg/l			

Bromoform	No	6/07/12	ND	1.2	µg/l	n/a	50	Disinfection byproduct when chlorine or other disinfectants used
		9/18/12						
		12/04/12						
			.47	1.2	µg/l			

Dibromochloromethane	No	6/07/12	ND	.90	µg/l	n/a	50	Disinfection byproduct when chlorine or other disinfectants used
		9/18/12 12/04/12	.53	.90	µg/l			

Total Trihalomethanes	No	6/07/12	ND	2.0	µg/l	n/a	100	Disinfection byproducts when chlorine or other disinfectants used
		9/18/12 12/04/12	ND	2.0	µg/l			

Nickel	No	12/04/12	0.005	0.007	mg/l	.1	.1	Naturally occurring, electroplating, stainless steel and alloy products, mining, and refining.
			0.006	0.007	mg/l			

Other Inorganic and Chemical Parameters

Calcium	No	12/04/12	5.46	6.93	mg/l	n/a	Naturally occurring element
			6.20	6.93	mg/l		

Calcium Hardness	No	12/04/12	13.6	17.3	mg/l	n/a	Chemical Parameter used as a measure of water hardness
			15.45	17.3	mg/l		

Langelier Saturation Index	No	12/04/12	-2.14	-1.60		n/a	Chemical Parameter used as a measure of corrosivity or scale-forming tendency
			-1.06	-1.60			

pH ⁴	No	12/04/12	7.60	7.80	pH units	n/a	Chemical Parameter used as a measure of acidity and alkalinity
			7.70	7.80	pH units		

Magnesium	No	12/04/12	2.88	3.95	mg/l	n/a	Naturally occurring element
			3.42	3.95	mg/l		

Total Dissolved Solids	No	12/04/12	70	154	mg/l	n/a	MCL = 500	Chemical Parameter used as a measure of solid materials dissolved in water
			112	154	mg/l			

Total Hardness	No	12/04/12	25.5	33.5	mg/l	n/a	Chemical Parameter used as a measure of water hardness
			29.5	33.5	mg/l		

Total Residual Chlorine	No	Various each month	0.23	1.5	mg/l	n/a	MCL = 4	Byproduct of drinking water chlorination. Additive used as a measure of the disinfecting strength of water
			0.90	1.5	mg/l			

Total Alkalinity	No	12/04/12	9.8	60.5	mg/l	n/a		Chemical Parameter used as a measure of alkalinity (acid neutralizing ability)
			35.15	60.5	mg/l			

1 - The level presented represents the 90th percentile of the samples tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal or greater than 90% of the lead values detected at your water system. In this case, 31 samples were collected for lead and 38 samples were collected for copper at your water system and the 90th percentile value was 0.50 ug/l for lead and 0.11 mg/l for copper.

2 - USEPA action level (maximum allowable) for the 90th percentile sample.

3 - The combined total of iron and manganese should not exceed 500 µg/l (0.5 mg/l).

4 - USEPA guidelines for pH are 6.5 to 8.5; NY guidelines are 7.5 to 8.5.

Definitions:

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 Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.

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.

Treatment Technique (TT): The treatment technique requirements established by EPA in lieu of MCL's to control unacceptable levels of some contaminants.

Action Level (AL): The concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements that a water system must follow.

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (µg/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Pico Curies per liter (pCi/l): A measure of radioactivity in water.

n/a: Not applicable, or no standard established.

The following contaminants and chemical parameters were tested for in the finished water but were never detected during 2012:

TABLE OF CONTAMINANTS NEVER DETECTED DURING 2012

Microbiological Contaminants			
E. Coliform	Total Coliform		
Primary (Health Related) Inorganic Parameters			
Arsenic	Silver	Cadmium	Chromium
Fluoride	Mercury	Selenium	

Secondary (Aesthetic) & Other Inorganic Parameters			
Antimony	Beryllium	Color	Free Cyanide
Zinc	Manganese	MBAS (Foaming Agents)	Turbidity
Nitrogen, Ammonia	Nitrite	Odor	Thallium

Primary (Health Related) Volatile Organic Parameters

Benzene	Carbon tetrachloride	1,4-Dichlorobenzene	1,2-Dichloroethane
1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	

Other Volatile/Semi-Volatile/Non-Volatile Organic Parameters

Bromobenzene	Bromochloromethane	Bromomethane	n-Butylbenzene
sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	2/4-Chlorotoluene	Dibromomethane
1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene
trans-1,2-Dichloroethene	Dichlorodifluoromethane	1,2-Dichloropropane	1,3-Dichloropropane
2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene
Ethylbenzene	Trichlorofluoromethane	Hexachlorobutadiene	Isopropylbenzene (Cumene)
4-Isopropyltoluene (p-Cymene)	Methyl tert-butyl ether (MTBE)	Methylene Chloride (Dichloromethane)	n-Propylbenzene
Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene
Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane
1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylene
	Bromoacetic acid	Dibromoacetic acid	Chloroacetic acid
Dichloroacetic acid	Trichloroacetic acid	Total Haloacetic Acid	Trichloroethene

What Does This Information Mean?

The Village water system complied with all state and federal water quality standards during 2012.

Is Our Water System Meeting Other Rules That Govern Operations?

During 2012, our distribution system was in compliance with all applicable State drinking water requirements. 149 different contaminants are routinely monitored for their presence throughout the year from all our wells, treatment facilities and the distribution system.

Information on Unregulated Contaminants

Our distribution system is required by the Environmental Protection Agency to participate in the Unregulated Contaminant Monitoring Rule program. This program acts as a tool for the EPA to find unregulated contaminants of concern in the nation's drinking water. The Safe Drinking Water Act gives EPA the responsibility to protect public health and to set minimum standards for drinking water. The EPA identifies contaminants that may be harmful to human health and that may be present in drinking water. The EPA works with local water systems to periodically test the water for contaminants that are not regulated to determine whether or not these contaminants occur often enough at high enough concentrations to warrant further attention.

Currently, The EPA has selected several dozen contaminants divided into three lists. The "List 1" contaminants are monitored using testing conventional laboratory testing methods. These contaminants include flame retardants, contaminants used in explosives, and contaminants related to insecticides. The "List 2" contaminants are monitored using testing methods that are relatively new or for which standard procedures have not been established. These contaminants include nitrosamines (chemical compounds that exist in sources of drinking water or that form

when disinfectants are added to water to kill microbes), herbicides, and herbicide degradate (formed when herbicides change in the natural environment). The “List 3” contaminants are focused on pharmaceuticals and personal care products.

The Village continues to cooperate with EPA’s nationwide sampling program and has performed monitoring for the presence of 25 of these contaminant throughout the year from all our wells. To date, none of these contaminants have been detected in our water supply.

Do I Need To Take Special Precautions?

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 EPA Safe Drinking Water Hotline (800-426-4791).

Information For Non-English Speaking Residents

Este informe contiene informacion muy importante sobre el agua de beber. Traduzcalo o hable con alguien que lo entienda bien.

Why Save Water And How to Avoid Wasting It?

The Incorporated Village of Hempstead continued its water conservation program during 2012. Individual customers of the Village can implement 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 conserving fixtures and appliances, and maintaining a daily awareness of water conservation in their personal habits. Besides protecting the limited underground water supply, water conservation will produce a cost savings to the consumer in terms of both water and energy bills for hot water. Following these conservation tips can achieve significant savings:

Indoor

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:

- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, and then check the meter after 15 minutes. If the register on the meter changed, you have a leak. The Village Water Department can also assist in certain cases by remotely reading your meter at a fixed interval.
- Toilets are the most common source of leaks and unnecessary use of water. Adding a few drops of food coloring to the tank will help disclose very slow leaks. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you can save more than 30,000 gallons a year.
- Do not use the toilet for flushing items that could go in a wastepaper basket. Water saving devices can be installed in older model tanks to use less water for flushing.

- Keep conservation in mind when replacing or installing plumbing fixtures, washing machines and dishwashers. Look for fixtures and appliances that are designed to do the job with less water.
- Always try to do full loads of dishes or laundry. Adjust the water level for smaller loads.
- Do not let water run when hand washing dishes, shaving or brushing teeth.
- Store water in the refrigerator to eliminate the need for running the tap for a cold drink.

Outdoor

- Nassau County Watering regulations for lawns and gardens are in effect year round.
No watering is allowed between the hours of 10 AM and 4 PM.
Odd numbered houses are allowed to water only on odd days of the month.
Even numbered houses are allowed to water only on even days of the month.
- If your sprinkler system does not have a moisture sensor, we advise you to manually turn it off if it has rained, is raining, or is likely to start raining. According to staff at the Nassau County Cornell Cooperative Extension Center, over-watering is the cause of most lawn and garden problems. You can call them for advice at 516-292-7990 or 516-228-0426.
- Sprinkler systems should operate in the early morning hours, however make it a point to observe the operation of the system to check for faulty heads and leaking fittings. These problems waste water and cause higher bills.
- Sweep, don't wash, sidewalks; use a bucket for car washing and turn the hose on and off for rinsing.

System Improvements

The Village has planned and secured partial funding for a number of significant improvements to the water system, which are planned for construction during the next several years. Projects completed in 2012 include ongoing leak detection and valve repair projects, as well as ongoing electrical, security, and automation improvements to the Clinton Street Water Plant. Installation of automated read water meters on a few remaining service lines continued during 2012. Please contact the water department if you still have an old meter installed. Projects now under construction and near completion include replacement of the well 8 screen and pump and the rehabilitation and cleaning of the pumps and screens on wells 2R and 4 and replacement of the filter media at the laurel avenue iron removal plant. Other projects in the planning and design stage include the covering of the Clinton Street Plant water treatment basin, replacement of pump motor starters, leak and lost water detection, wells 7 and 9 valve replacements and on-going improvements to site monitoring, security and automation improvements.

Closing

Thank you for allowing us to continue to provide your family with quality drinking water this year. We ask that all of our customers help us protect our groundwater through proper disposal of chemicals and waste. Copies of this Consumer Confidence Report and Annual Water Supply Report are available at the Incorporated Village of Hempstead, Village Hall located at 99 Nichols Court, Hempstead, New York. In addition, a supplemental data package is available at the Village office, which includes the full water quality data, both before and after treatment, for each well utilized during 2012.

Reverse 911

The Village has implemented a "Reverse 911" system to allow rapid public notification during emergency situations. An automated system will dial the telephone numbers of all residents known to the Village and play a prerecorded message. *If any resident needs to update their telephone number please email the change to reverse911@villageofhempstead.gov.*