



# HEMPSTEAD VISIONS

MAY 2012

VOL. 26 NO.4

## A Message From Mayor Hall



Dear Residents:

Welcome to spring, the season of renewal and rebirth. The Village of Hempstead is certainly experiencing new developments, and we share many of them in this issue of *Hempstead Visions*. Among the most important of these are the efforts we are making, in conjunction with the Village Police Department, to combat crime and make Hempstead a safer community.

The department recently hired three new police officers to increase patrolling in areas that report a high incidence of crime, and those officers will join the force in July. The Department is also launching an online crime-reporting tool that will make it possible for Villagers to send in anonymous crime tips using a new platform called TipSoft. This tool will allow community members and police officers to exchange information through encrypted servers, so that the identity of the tip provider remains completely anonymous. Using the CrimeReports program, the police department is also giving

Village residents free access to a detailed online crime map. These initiatives demonstrate the depth of our commitment to the safety and well-being of all Hempstead residents.

In other Village news, our downtown redevelopment efforts are moving ahead. The RenewHempstead.com Web site is up and running. Renew Hempstead's Power of Ten campaign invites residents and business owners to weigh in with their ideas for the new, revitalized downtown Hempstead. Read more about it within these pages.

Remember that another way to keep on top of what is happening in the community is to receive notices from our e-mailing list. Sign up by sending an email with your name and email address to [Mayor@VillageofHempsteadNY.gov](mailto:Mayor@VillageofHempsteadNY.gov).

Sincerely,

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

## Plans Are in Progress for the New, Revitalized Hempstead Village

Last Spring, Mayor Hall joined with Renaissance Downtowns-UrbanAmerica (RDU) in announcing a long-term plan to redevelop downtown Hempstead. Progress on the plan is moving forward, with three main initiatives taking shape:

### Community Benefits Committee

To ensure that the redevelopment serves the best interests of residents as well as business owners, the Mayor is assembling a Community Benefits Committee. Among other efforts, the Committee will create a Renaissance Agreement. Under the theme *Hempstead First*, the agreement will map out plans for

job creation and ways to ensure that the Village includes input and ideas from residents and business owners. Mayor Hall appointed Jack Profit of the community based, non-profit social service agency Urban Strategies, to head the Committee. Working with Mr. Profit, the Village has invited a diverse mix of highly respected leaders to join. The first meeting took place on Wednesday, May 16.

### RenewHempstead.com

This website features a wealth of information about the plans to renew the Village through the redevelopment project.

*Continued on page 2*

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## Revitalized Hempstead Village, continued

The site also allows community members to participate in the project through its *Power of 10 Campaign*. The campaign invites registered members to “like” or vote for 10 ideas they believe will have a significant and positive impact on downtown Hempstead. All of these ideas are available for viewing on the site. May 31, 2012, is the deadline for compiling the top ten choices. When all of the votes are in, Renaissance Downtowns-UrbanAmerica will invest in feasibility studies to determine the steps needed to implement those top 10 ideas. Mayor Hall encourages all Villagers and business owners to register with the site to learn more and to post comments and ideas about their vision for the plan.

### *Sewer Maintenance and Upgrades*

A critical part of the redevelopment plan is the study, currently underway, to determine the scope of work for the Village’s sewer systems. In order to support the new construction, the sewers must undergo an upgrade and/or repairs if needed. Groundbreaking on this project is anticipated to take place by late spring or early summer.

The flow of revenue that new shops, restaurants, residences and office buildings will generate for the Village will help alleviate the tax burden for Hempstead’s working families. Mayor Hall appreciates the support of the community in this bold and expansive project, and encourages everyone to have a voice in the planning as it moves forward.

## Working Hard to Keep Hempstead Working

Mayor Hall has been busy conferring with contractors and developers of the 303 Main Street construction project to ensure that they include Village residents in their hiring. Due to his efforts, more than 20 residents have signed on for various jobs with the project’s construction crews. Working with the developer, the District Attorney’s office and the ABBA Leadership Center, the Mayor has ensured that individuals who were previously incarcerated and who may have records are not excluded from hiring. Now these Village residents are learning new skills and trades and are enjoying gainful employment. The Mayor is also working with the developers to hire more local minority contractors and women. “We want developers and contractors to understand that if you build in Hempstead, our residents must be included in the process,” he said. “Any project that will make money *within* our community should also make money *for* our community.”

## Village to Create 311 Customer Service Center

Dedicated to improving the quality of life for all Hempstead Village residents, Mayor Hall has initiated a plan to establish a call center similar to one already in place in the five boroughs. Through this system, residents will be able to dial 311 and report issues such as potholes, broken streetlights, unclean streets or excessive noise. The call center will enable the Village to keep track of requests and complaints. The 311 operators will log each call and send an email to the appropriate Village department with the details. This will create a trail of action that the Village can follow in order to measure how long it takes to respond to and resolve each matter. The system will also offer transportation and other information, such as schedules for sanitation and recycling. Look for 311 to be up and running by the end of August.

## Enhanced Ambulance Service

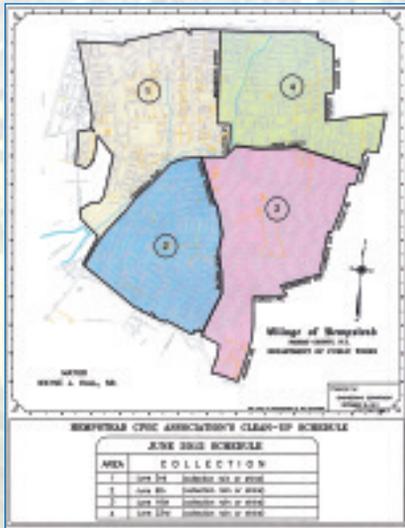
Beginning June 1, North Shore University Hospital will provide the Village with emergency ambulance and medical transportation services on a six-month trial basis. Mayor Hall initiated the agreement with the support of the Village Board of Trustees after repeatedly noting that the Village’s current ambulance services were insufficient to meet residents’ needs.

At present, only one EMT responds to a call for EMT services, and a Village police officer must drive the ambulance to the hospital so the EMT can tend to the patient. With 4,500 to 5,500 ambulance emergency calls each year, this system draws officers away while they are still on active police duty. Under the new arrangement, North Shore University Hospital will station a dedicated ambulance near the fire department headquarters; the vehicle will be available every day from 6 a.m. to 6 p.m.

“Thank you to the Village Board of Trustees and North Shore University Hospital for reaching an agreement that will benefit all Hempstead Village residents,” Mayor Hall said. “This trial arrangement comes at no cost to the Village and will give us an opportunity to weigh the benefits of a future EMT contract with the hospital. It will also eliminate the need for Village police officers to act as ambulance drivers and ensure that they remain in Hempstead, where they belong.”

After the conclusion of the trial period on December 1, Mayor Hall and the Village Board of Trustees will review the service and make a decision about whether to continue the arrangement with the hospital.

# 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 2, and runs each Saturday through June 23, 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 2, 2012, section #1 – Northwest Hempstead
- Saturday, June 9, 2012, section #2 – Southwest Hempstead
- Saturday, June 16, 2012, section #3 – Southeast Hempstead
- Saturday, June 23, 2012, 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 30, 2012. Please note that the Council will not accept applications after the May 30 deadline.

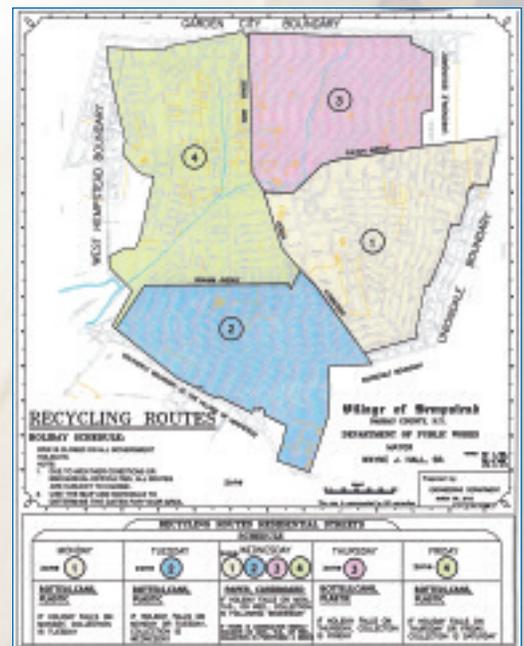
# Village Recycling Collection Changes

In an effort to enhance efficiency while continuing to keep the Hempstead community green and clean, the Village Recycling Department will be changing the operation of its recycling collection in July. The details of the new regulation are listed below.

The improved service will require a bit more effort from residents, but the end result is a valuable commodity: a safer environment and a cleaner Village. If you have any questions about the new sanitation/recycling procedure, please contact the Village Sanitation/ Recycling Department at (516) 489-3400 ext. 268 or ext. 553.

## Please note that, starting July 1...

- The recycle bin is now to be used for **glass and cans only**. Provided that you have enough room, you may insert **plastic bottles** into the recycling bin as well. If there is **not** enough room to insert plastic bottles in the bin, please insert **plastic bottles in a clear bag and place this next to your recycling bin**.
- All residents are required to bundle and tie (no larger than 2"x2" bundles) all paper and cardboard recyclables and place bundles **next to the recycling bin** (to be picked up on Wednesdays **only**).



# Hempstead Public Library

## 'DREAM BIG' Summer Reading Program 2012

Registration begins on Saturday, June 23, at 10 a.m. Register and enjoy the magic of Robert Austin with rabbits, doves and surprising magic tricks! Young adults may join us at 2 p.m. for registration for **Own The Night** with mind reader David Lawrence.

Reporting begins on Monday, June 25. Reports may be oral or written. Reporting hours are from 10:30 a.m. - 8 p.m. Monday through Thursday, and from 10:30 a.m. until 5:30 p.m. on Friday. The final day for reporting is Tuesday, August 7. All children who have reported on at least three books can attend the party on Friday, August 10 at 2:30 p.m. **The Louie Show**, with guitarist Louie Miranda, will include songs, dancing and audience participation. Prizes will be raffled and refreshments will be served.

### All programs require registration in the Children's Room.

**Family Night Chess Workshop:** Join us on Tuesdays at 7 p.m. July 17, 24, 31 and August 7 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 Fridays at 11 a.m. July 6, 20, 27, and August 3, 17 and 24. For children ages 3-6. **Free.**

**Game Days:** Have fun playing board and other children's games on Fridays, July 6, 13, 20, 27 and August 3 at 3 p.m. For the whole family. **Free.**

**Moon Nite Light:** Children grades K-5 can create a night light for their room. Tuesday, July 10 at 4 p.m. Fee: 50 cents.

**Global Tots:** For children ages 2 through 6. A song, dance and movement program. Friday, July 13 at 11 a.m. **Free.**

**Sweet Dreams Ice Cream Sculpture:** Mix clay and colored glues to make an ice cream sundae. For children in grades K-5. Thursday, July 19 at 4 p.m. Fee: 50 cents.

**Up In The Air:** with the Long Island Children's Museum. Learn about the history of aviation and then create your own flying machine! Wednesday, July 25 at 4 p.m. Fee: 50 cents.

**Pajama Time:** Come in your pajamas with your stuffed animal, listen to stories and make a craft. For children ages 3 to 7. On Wednesday, July 11, Thursday August 2, and Thursday, September 13 at 7 p.m. **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 11, 18, 25 and August 1 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 take place from Thursday, May 31, 2012 to Friday, June 22, 2012.

Applications for all programs can be picked up at Kennedy Park (335 Greenwich St.) 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. Youths will be taught the proper fundamentals and skills of boxing by one of our three boxing coaches. Boxing coaches are available Monday through 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 classes will be held for children in grades 1-6 on Saturday mornings from 9:30 a.m. - 11:30 a.m. 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

**Cheerleader Registration:** The Recreation Department is looking for Hempstead boys and girls over the age of 5 to participate in our Midget Football program.

Players will learn the fundamental techniques of football from certified coaches. These techniques include blocking, passing and overall game strategies. The team will play weekly football games against other municipalities in

the Nassau County Youth Football League. League play begins in September. Youngsters are also encouraged to register to become cheerleaders for the teams of the Hempstead Midget Football League. Cheerleader registration will also be at this time. Registration begins Tuesday, May 1 and ends Wednesday, August 1. The program fee is \$ 125 per child. Cash or money order is accepted; children 5 -13 years of age may participate in the program.



### Summer Concert Series:

Once again, the Department of Parks and Recreation is proud to present a series of **free** concerts to all Village residents throughout the summer months. Bring a blanket or chair to Kennedy

Park to enjoy an evening

of good music. Concerts will be held on Friday evenings during the months of July and August from 6:30 p.m. - 8 p.m.

**Summer Recreation Sports Program:** All children between the ages of 6 and 12 are invited to be part of our Summer

Recreation Sports program. Each week, campers will participate in a different sport. Scheduled sports will include basketball, bowling, soccer, softball, swimming, volleyball, tennis and track & field. Camp T-shirts will be issued to all participants. Campers need to bring their swimsuits and towels in a plastic bag on pool days. Registration is Thursday, May 31- Friday, June 22; daily times: 9 a.m. - 3 p.m. (Children must be picked up by 3:15 p.m.) Session runs from Thursday, July 5 - Friday, August 17. The cost is \$400. The maximum number of children for the program is 30.



**Swim Lessons: Adults** – Swim lessons for adults will be offered at the Kennedy Park Pool. Classes will meet four evenings a week (Monday through Thursday) between the hours of 6 p.m. and 7 p.m. This class is open to all adults over the age of 18.

There is a minimum of 12 adults for the class. The program runs from Tuesday, June 26 - Monday, July 16 and is \$40 per adult.

**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. The cost of the program is \$40. Swim lessons begin Tuesday, June 26 and end Monday, July 16.

**Swim Team Tryouts:** All boys and girls of the Village are invited to try out for the Recreation Department's swim teams. The Recreation Department sponsors two swim teams during the summer to compete in the Nassau Municipal Swim Conference. This year, our swimmers will battle for their 14th Dual Meet Championship and their 11th Division I League Title. Tryouts will take place on Monday, June 25, 2012, at 9 a.m. at the Kennedy Park Pool. Practices are scheduled for Monday through Friday at the Kennedy Park Pool from 8 a.m. - 10 a.m. Dual meets are on Saturday mornings. Class meets are on Tuesday and Thursday afternoons.

**Tennis Lessons:** Free tennis lessons for all interested residents will be offered at the Kennedy Memorial Park Tennis Courts. Tennis lessons will be given by three certified tennis instructors every Saturday. **Classes will be limited to 20 participants.**

Residents Under 15 • Saturdays • 9:30 a.m. - 11:00 a.m.

Residents 15 & Over • Saturdays • 11 a.m. - 12:30 p.m.

**Youth Cooking Class:** This free cooking class for children (8+)

will be held on Saturday mornings from 10 a.m. - noon. All Village youth are invited to enjoy the creative and exciting world of cooking. Our program will cover the basic techniques as well as cooking safety. Students will prepare different types of food on a weekly basis. The class will be taught by a certified instructor.

**Senior Ceramic Class:** All Village seniors are invited to come and enjoy the creative world of ceramics. Our program is for both the beginner and advanced ceramic student. Our class is taught by a state certified instructor. Instruction is free, but you must pay for the greenware used. This class meets Friday mornings from 10 a.m. - 1 p.m.

**Ladies Fitness Class:** These exercise classes are designed for women who desire to improve their overall physical condition. Classes will feature the latest exercise techniques, which include stepping, kickboxing and body sculpting. Women will learn step combinations as well interval training concepts using body bars, hand weights and jump ropes. This up-to-date program will bring you to a new level of overall body fitness. Our classes are taught by certified instructors. All participants must bring towels to class and wear the appropriate exercise clothing in class. The class is 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 on Tuesday and Thursday evenings from 6 p.m. to 9 p.m. at Kennedy Park.



**Weight Room:** 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 annual charge to use this facility. The weight room is open Monday through Friday from 9 a.m. - 2 p.m. and 4 p.m. - 8 p.m.

**Youth Golf Lessons:** All Village youth between the ages of 8 and 17 are invited to participate in youth golf lessons. Lessons are available Monday, Wednesday and Friday from 4 p.m. - 5:30 p.m. at Kennedy Park.

**Pools:** The swimming pool complex at Kennedy Park will open for the summer swim season on Thursday, June 21, 2012. Bathing suits are required. Hours of operations are Monday through Sunday from 10 a.m. - 8 p.m.

## People & Appointments

The Village recently appointed Patricia Perez to the position of Village Clerk. Ms. Perez, who previously served as deputy clerk, is our community's first Hispanic member to serve in this important role.

As we welcome Ms. Perez, we bid adieu to Maryellen Hillman, who served as Village Clerk for 19 years. On behalf of the Board and Village residents, Mayor Hall extends sincere thanks and appreciation to Ms. Hillman for the outstanding service she gave to the Village, and wishes her all the best in her future endeavors.

Also in the Clerk's Office, former Village of Hempstead Research Assistant Samantha Fountain was recently appointed Deputy Village Clerk. Mayor Hall extends congratulations to both Ms. Perez and Ms. Fountain, and welcomes them to their new positions.

# **Inc. Village of Hempstead Water Department**



## **2011 CONSUMER CONFIDENCE REPORT and ANNUAL WATER SUPPLY STATEMENT**

**April 2012**

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

**Michael Taylor  
Water Plant Supervisor**

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CONSUMER CONFIDENCE REPORT  
and  
ANNUAL WATER SUPPLY STATEMENT  
for the  
INCORPORATED VILLAGE OF HEMPSTEAD  
(Public Water Supply ID# 2902827)  
2011

**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 installation of radio-read water meters; piping 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 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 2011 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 7,472 tests on the water, for 104 different chemicals, contaminants, or water quality parameters. We detected 19 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, except for iron. 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 2011, our system did not experience a restriction of our water source however; Well 8 was taken

out of service on November 11, 2011 due to mechanical problems with the pump. Wells 1RR, 2R, 3R, 4, 5, 6R, 7, and 9 were available for operation throughout the year.

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 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 2011 was 2,090,135,000 gallons, of which approximately 83 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 5,726,397 gallons per day. Our highest single day was 7,778,000 gallons on June 7, 2011.

The Inc. Village of Hempstead billed its consumers through a five-tier step schedule to encourage water conservation as follows:

2011 Water Rates (Effective August 1, 2011)	
Consumption (gallons per billing period)	Billing Rate
0-50,000	\$2.25/1000 gallons
50,001-100,000	\$3.10/1000 gallons
100,001-500,000	\$4.38/1000 gallons
500,001-1,000,000	\$5.27/1000 gallons
over 1,000,000	\$5.78/1000 gallons

*In 2011, the annual average water charge per household was approximately \$415.*

### 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

Nitrate	No	6/8/11	.11 .72	mg/l	10	MCL = 10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
		12/20/11	.035 .72				
<p><b>Health Effects Language</b> 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>							

Barium	No	12/20/11	0.0036	0.0054	mg/l	1	MCL = 1	Naturally occurring in some limestones, sandstones, and soils in the eastern United States
			0.0071	0.0054	mg/l			

### Secondary (Aesthetic) Inorganic Parameters

Chloride	No	12/20/11	42.7	43.1	mg/l	n/a	MCL = 250	Naturally occurring or indicative of road salt contamination
			42.9	43.1	mg/l			

Iron <sup>1</sup>	Yes	12/20/11	90	410	µg/l	n/a	MCL = 300	Naturally occurring
			250	410	µg/l			
<p><b>Health Effects Language</b> 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 ug of iron per capsule.</p>								

Sodium	No	12/20/11	19.2	41.1	mg/l	n/a	(see health effects below)	Naturally occurring; Road salt; Water softeners; Animal waste
			30.15	41.1	mg/l			
<p><b>Health Effects Language</b> 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	12/20/11	18.0	22.1	mg/l	n/a	MCL = 250	Naturally occurring; Agriculture and lawn fertilizers
			20.05	22.1	mg/l			

Bromoform	No	6/08/11 9/20/11 12/03/11 12/20/11	ND	1.1	µg/l	n/a	50	Disinfection byproduct when chlorine or other disinfectants used
			.46	1.1	µg/l			

Dibromochloro methane	No	6/08/11 9/20/11 12/03/11 12/20/11	ND	1.2	µg/l	n/a	50	Disinfection byproduct when chlorine or other disinfectants used
			.59	1.2	µg/l			

Total Trihalomethanes	No	6/08/11	ND	2.5	µg/l	n/a	100	Disinfection byproducts when chlorine or other disinfectants used
		9/20/11 12/03/11 12/20/11	ND	2.5	µg/l			

Nickel	No	12/20/11	0.0052	0.0056	mg/l	.1	.1	Naturally occurring, electroplating, stainless steel and alloy products, mining, and refining.
			0.0059	0.0056	mg/l			

### Other Inorganic and Chemical Parameters

Calcium	No	12/20/11	5.92	6.35	mg/l	n/a	Naturally occurring element
			6.14	6.35	mg/l		

Calcium Hardness	No	12/20/11	14.8	15.8	mg/l	n/a	Chemical Parameter used as a measure of water hardness
			15.3	15.8	mg/l		

Langelier Saturation Index	No	12/20/11	-2.14	-1.45		n/a	Chemical Parameter used as a measure of corrosivity or scale-forming tendency
			-1.80	-1.45			

pH <sup>2</sup>	No	12/20/11	7.54	7.74	pH units	n/a	Chemical Parameter used as a measure of acidity and alkalinity
			7.64	7.74	pH units		

Magnesium	No	12/20/11	3.09	3.16	mg/l	n/a	Naturally occurring element
			3.13	3.16	mg/l		

Total Dissolved Solids	No	12/20/11	94	138	mg/l	n/a	MCL = 500	Chemical Parameter used as a measure of solid materials dissolved in water
			116	138	mg/l			

Total Hardness	No	12/20/11	27.8	28.6	mg/l	n/a	Chemical Parameter used as a measure of water hardness
			28.2	28.6	mg/l		

Total Residual Chlorine	No	Various each month	0.20	1.6	mg/l	n/a	MCL = 4	Byproduct of drinking water chlorination. Additive used as a measure of the disinfecting strength of water
			0.95	1.6	mg/l			

Total Alkalinity	No	12/20/11	6.2	52.1	mg/l	n/a		Chemical Parameter used as a measure of alkalinity (acid neutralizing ability)
			29.15	52.1	mg/l			

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

2 - 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 2011:

**TABLE OF CONTAMINANTS NEVER DETECTED DURING 2011**

<b>Microbiological Contaminants</b>			
E. Coliform	Total Coliform		
<b>Primary (Health Related) Inorganic Parameters</b>			
Arsenic	Lead	Cadmium	Chromium
Fluoride	Mercury	Selenium	Silver
<b>Secondary (Aesthetic) &amp; Other Inorganic Parameters</b>			
Antimony	Beryllium	Color	Free Cyanide
Zinc	Manganese	MBAS (Foaming Agents)	Copper
Nitrogen, Ammonia	Nitrite	Odor	Thallium
Turbidity			

## Primary (Health Related) Volatile Organic Parameters

Benzene	Carbon tetrachloride	1,4-Dichlorobenzene	1,2-Dichloroethane
1,1-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	
<b>Other Volatile/Semi-Volatile/Non-Volatile Organic Parameters</b>			
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 water system has had problems with iron, which is an aesthetic and not a health problem. Iron problems are most pronounced during the summer and when there is high demand for water. This problem is addressed in the short term by running the wells having the highest natural iron content only during the highest demand periods. An iron removal plant has been in operation since 2004 for the two wells having the highest iron concentrations. The recent occurrence of iron is from increases in iron concentrations produced by wells no. 2R and 4; as well as old unlined cast iron water mains.

### Is Our Water System Meeting Other Rules That Govern Operations?

During 2011, our distribution system was in compliance with all applicable State drinking water requirements with the exception of iron. This problem is addressed in the short term by reducing use of wells having the highest iron concentrations and flushing to remove iron sediment from old unlined cast iron water mains. A longer term solution will be accomplished through cleaning to remove iron deposited on the well screens and replacement of these old water mains with new ones. 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 25 contaminants divided into two lists. The 10 "List 1" (Assessment Monitoring) contaminants are monitored using testing methods that are more widely used. These contaminants include flame retardants, contaminants used in explosives, and contaminants related to insecticides. The 15 "List

2” (Screening Survey) contaminants are monitored using testing methods that are relatively new. 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).

These contaminants are routinely monitored for their presence throughout the year from all our wells, treatment facilities and the distribution system. To date, none of the 25 contaminants have been detected in our system.

### **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 2011. 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 2011 include the booster pumping station Venturi meter and valve replacements, leak detection and valve repairs, Well 4 & 5 water main replacements, and 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 2011. Please contact the water department if you still have an old meter installed.

Projects now under construction and near completion include repairs to emergency backup generators. Other projects in the planning and design stage include the covering of the Clinton Street Plant water treatment basin; the rehabilitation of Wells 2R, 4 and 8; replacing filter media at the laurel avenue iron removal plant and on-going site monitoring and security 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 2011.

### **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](mailto:reverse911@villageofhempstead.gov).*