

Greenlawn

WATER DISTRICT

PURITY • CONSERVATION • SUSTAINABILITY

Established 1927

SPRING 2021

Be a Life Guard: Conserve Water!

Our District has no shortage of water and we want to keep it that way. Our goal is to always meet demand for consumption and fire protection while being prepared for anything Mother Nature throws at us. So, conserving Earth's most valuable natural resource makes a terrific amount of sense, and we urge all residents to implement conservation measures.

Reducing Usage

"We Americans use inordinate amounts of water," Commissioner Jim Logan stated. "Statistics vary, but each person uses between 100 and 150 gallons of water at home...per day! And the average family can waste 180 gallons* per week, or 9,360 gallons annually...just from household leaks! A small faucet drip can waste more than 50 gallons daily. If you leave your tap open while brushing your teeth, you could lose two gallons of water down the drain. Couple these numbers with summer months usage which quadruples almost entirely due to lawn watering, and this is why the District is asking for consumers to observe voluntary restrictions."

*Source: EPA



Jim Logan

WaterSense: 20% More Sense!

WaterSense is a voluntary partnership program sponsored by the U.S. Environmental Protection Agency (USEPA). It is twofold in purpose: a label for water-efficient products and a resource for helping people save water. Follow the WaterSense recommended guidelines at: <https://www.epa.gov/watersense>



Partnering

WaterSense partners with manufacturers, retailers and distributors, homebuilders, irrigation professionals and utilities. These partnerships encourage innovation in manufacturing and support sustainable jobs for American workers.

Labeling

The WaterSense label simplifies finding water-efficient products. WaterSense-labeled products and services are certified to:

- Be 20% more efficient.
- Save energy.
- Perform as well as or better than regular models.

Ever Wonder Where Your Tap Water Comes From?

Long Island is underlain by bedrock, which is composed of granite, gneiss, and schist and unconsolidated deposits of clay, silt, sand and gravel. With respect to potable groundwater, Long Island is a region of abundance with vast subterranean reserves. Our water is drawn from the Magothy aquifer beneath Long Island.

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Future Needs in The Horizon

The Board of Commissioners takes pride in providing the highest quality water at the lowest possible cost, and a recent evaluation showed the District had the lowest cost of water in Suffolk County and possibly Long Island.

However, with the recent implementation of new water quality standards established by New York State Health Department, the Greenlawn Water District needs to construct

additional wellhead treatment systems on our supply wells. The Commissioners have located sources of funding such as State grants and litigation to assist with financing of the first of these projects. However, more treatment systems are needed and additional monies will be required in the near future.

The Board of Commissioners, in concert with our District Superintendent, is evaluating District finances and examining additional

revenue-raising methods to cover the expected ongoing costs of these capital improvement projects. Possible alternatives under consideration include increasing water rates, raising District tax rates and implementing an administrative fee for wellhead treatment.

As always, we will continue to keep Greenlawn Water District residents updated on this situation.

INFRASTRUCTURE: UPDATE



Water supply infrastructure thrives on proactive, preventive maintenance, especially our source wells which are visually inspected daily and undergo annual testing to ensure peak performance.



John Clark

“A recent pump test was conducted at well #5,” Commissioner John Clark stated. “The 11-year old pumping unit was pulled, disassembled and inspected. Sure enough, the pump’s bronze impellers showed significant wear, and therefore were less efficient, meaning more work to produce less water.”

A new pump driven by a 150hp motor was installed in advance of the seasonal increase in demand, virtually all of which is for outdoor irrigation. With proactive inspections, potential problems are avoided and costs are more efficiently managed.

“Given the daily wear and tear of constant operation, it’s surprising that pumps last so long,” Commissioner Clark added. “To illustrate, the borehole at well #5 is approximately 600 feet deep reaching into the Magothy aquifer. The pump is submerged and set at a depth of 200 feet.

It must raise water up to ground level, and subsequently, to the top of a water tank, perhaps another 200 feet. So, it’s a 400-foot lift. Well #8 was taken offline after showing similar wear conditions, and that pump was also replaced.”

The District’s 1.5 million gallon standpipe at Alvord Court required a different type of proactive, preventive maintenance. The tank is painted inside and out with special coatings to guard against corrosion of the steel interior and exterior.



However, the exterior gets covered with green mold due to weather conditions and exposure to trees. By power washing the exterior regularly, the District extends the life of the coating and helps control costs.

1,4-DIOXANE UPDATE



For the past several years, the Greenlawn Water District has proactively addressed issues of emerging contaminants in our supply wells. However, with the MCL for 1,4-dioxane established in August 2020, there was insufficient time to implement wellhead treatment for the removal of 1,4-dioxane. The District subsequently requested a deferral for the 1,4-dioxane MCL which was approved on January 6, 2021 and shall be effective until August 25, 2022. The District advised the public by posting a notice on our website (www.greenlawnwater.org).

Also posted is a Quarterly Update presenting the progress that the District is making to install treatment systems to remove 1,4-dioxane. It provides:

- **A summary of 1,4-dioxane sampling results for this quarter.**
- **Progress reports on 1,4-dioxane treatment projects and any potential issues that could delay progress in meeting milestone dates presented in the Corrective Action Plan in the original Deferral request.**

The District continues to closely monitor water quality trends at Well #8 and Well #11 to determine if wellhead treatment for 1,4-dioxane is currently necessary. All water delivered by the District in first quarter 2021 was below the MCL for 1,4-dioxane. Well #12 was not utilized during the quarter and is reserved for use only in a water emergency. In addition, the Advanced Oxidation Process (AOP) treatment at Plant #12 has been designed with bids for construction expected to be received shortly. The treatment system is anticipated to be online in Spring 2022.

COMING SOON TO YOUR PHONE, DESKTOP AND TABLET.

Increased Functionality! User Friendly!



John McLaughlin

It may not have the flash of a blockbuster movie or the drama of a big time sporting event, but in terms of bringing the message to our customers, our new, modern website is a fantastic starting point!

“In today’s information-packed world, communications can be cloudy. In our world, the world of water supply, public health is primary and communications between the District and residents must be informative, educational and crystal clear...like our water,” Commissioner John McLaughlin remarked. “The new website maintains an open line of direct communication with the public on a 24/7 basis. There is a lot happening with water,

and we want to keep our customers informed through a more streamlined Internet forum wherever people might be at the time. The new website is a huge step in the right direction. Same location, (www.greenlawnwater.org), brand new look and feel.”

FYI, the new Greenlawn Water District website features responsive design which means it reconfigures to meet the requirements of the devices contacting it.



2020 Drinking Water Quality Report >>>>>>



The 2020 Drinking Water Quality Report is available online at:

www.greenlawnwater.org/water-report.

The report is issued according to New York State regulations and includes detailed information on the source, treatment and costs of our water. A Table Of Detected Parameters, Source Assessment and Proposed Water System Improvements, and suggested Water Conservation Measures are also included.

Printed copies are available at the Greenlawn Water District office, the Harborfields Public Library, the Elwood Public Library and the Commack Public Library.

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Top Ten Tips

1. Modify automatic lawn sprinklers to include smart controllers.
2. Install water conservation fixtures and appliances. Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. Load them to capacity!
3. Turn off the tap when brushing your teeth!
4. Check faucets for leaks. Fix them and save almost 6,000 gallons per year!
5. Check toilets for leaks: Add a few drops of food coloring to the tank. If the color shows up in the bowl, fix it and save more than 30,000 gallons a year!
6. Retrofit plumbing fixtures with flow restrictors.
7. Always know where your main shut-off valve is located, especially in emergencies.
8. Use xeriscape plantings that require little or no watering.
9. Plant a rain garden for catching stormwater runoff from your roof, driveway and other hard surfaces.
10. Use organic mulch around plantings to help retain moisture.

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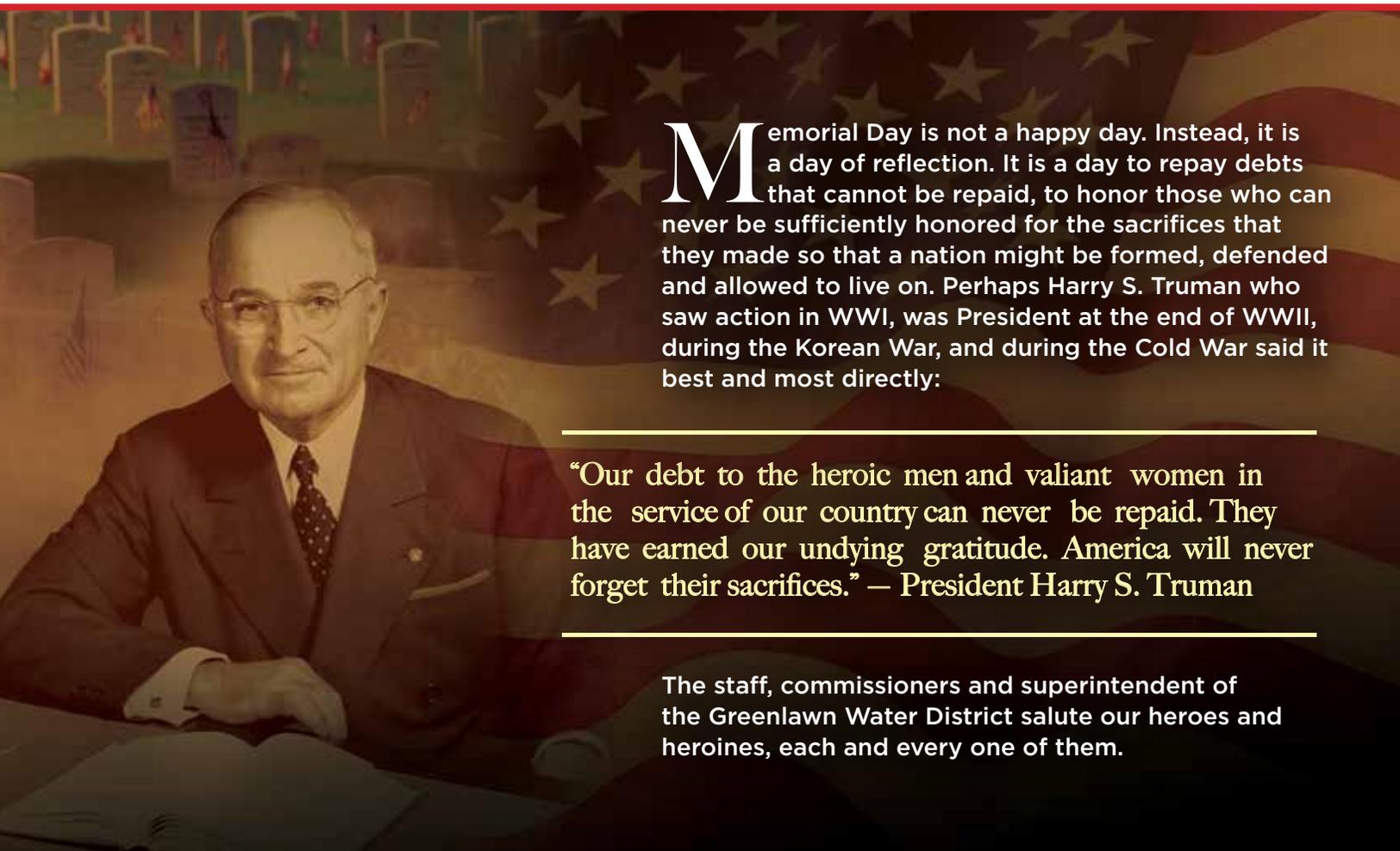
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Memorial Day is not a happy day. Instead, it is a day of reflection. It is a day to repay debts that cannot be repaid, to honor those who can never be sufficiently honored for the sacrifices that they made so that a nation might be formed, defended and allowed to live on. Perhaps Harry S. Truman who saw action in WWI, was President at the end of WWII, during the Korean War, and during the Cold War said it best and most directly:

“Our debt to the heroic men and valiant women in the service of our country can never be repaid. They have earned our undying gratitude. America will never forget their sacrifices.” — President Harry S. Truman

The staff, commissioners and superintendent of the Greenlawn Water District salute our heroes and heroines, each and every one of them.