



## Be Careful Be Safe

It's all about the Coronavirus also called COVID-19, yes that's all you hear today just turn on the TV or pick up a newspaper. Is it that bad, do we have to fear this scourge? Yes, it is bad, and they predict the apex of the pandemic will probably hit New York the end of April so it will get worse. Be concerned and take precautions don't fear it.

So even if this situation is not affecting your business yet it most likely will in time. Many are reporting an uptick in service calls due to septic problems. Presumably this caused by the fact people are working from home, children are not in school and less people are leaving the house. This all intensifies the stress on an onsite septic system that may now be used substantially more often than normal.



### PRESIDENT'S CORNER



**Andrew Andriola**

These are difficult times for all of us and our families. I encourage all of you to practice the safety guidelines that have been recommended by our federal, state and local leaders during this pandemic we are presently experiencing. I am confident that if we all do our part life will eventually return to normal.

In the day to day problems like the health issues our country faces we tend to take for granted the people who perform the everyday tasks we sometimes take for granted. I'm referring to people like the staffs at Emil Norsic and Son, South Fork Septic Services, Sewer Stewards, Inc, NY Cesspool Installation, Help Cesspool, Direct Drainage, Clearbrook and

*(Continued on page 2)*

According to the United States Environmental Protection Agency (EPA) onsite systems do not disinfect, however a properly managed septic system to treat COVID-19 the same way it safely manages other viruses often found in wastewater. Can you or your servicemen get infected? The World Health Organization (WHO) has indicated that "there is no evidence to date that COVID-19 virus has been transmitted via sewerage systems, with or without wastewater treatment."

The risk of transmission of COVID-19 from the feces of an infected person is also unknown. However, the risk is expected to be low based on data from previous outbreaks of related coronaviruses, such as severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome

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*Contributing articles are not necessarily the opinion of the Long Island Liquid Waste Association or Act III Services.*

**PRESIDENT'S CORNER**

*(Continued from page 1)*

Eastern Sewer & Drainage. They are the member companies who volunteer their services on a day after day basis to keep our, very popular member benefit, DOT Alert Program operating properly.

Let me mention that again, because I think it's that important, I cannot thank all our volunteer companies enough including those who serve on committees. It takes a team to run an association and LILWA could not be as successful without their generous dedication.

The reason I bring this up is to make the point that this program, as with all programs, is only as strong as the total of all its components. We are all an integral part of it. If you don't make that first call to Emil Norsic & Son at (631) 283-0604 Ext. 114 with our observation or if the call center does not have your correct phone number etc. the chain is broken.

I would like to take a minute to thank the Board of Directors for their vote of confidence and electing me to another term as LILWA's President for the current year. Also, congratulation to Mike Barry our Vice President, Joe Garbarino our Treasurer and Dick Crescenzo our Secretary and a big thank you for their ongoing service to our association.

Due to the ever changing of our lives and businesses caused by the coronavirus the LILWA web site [www.lilwa.org](http://www.lilwa.org) has been modified to pass on the many notices we have been receiving concerning the Long Island septic industry. I would like to also alert you time is running out to apply for this years Judge Coleman Scholarship Fund, go to our web site for information. This is the time of year we would normally be announcing our annual East End Meeting in the Hamptons sadly also due to the current health emergency and for safety reasons we are forced to cancel it for this year.

Again, I urge you stay safe, stay healthy and practice social distancing.

***Andrew Andriola***  
President

# Post Sandy Debriefing

In October of 2012 New York was severely affected by Hurricane Sandy, particularly the coastal areas of Long Island. The storm brought with it unprecedented surges and flooding that devastated many coastal communities and according to Governor Cuomo Sandy cost the state \$32 billion in damage and losses. The devastating storm damaged, destroyed, or severely flooded around 100,000 Long Island homes. As of December 12, 2012, more than 2,00 homes were deemed uninhabitable.

In an effort to gather information and plan for future catastrophes of this nature and disbursement of funds New York State has reached out to Suffolk County who in turn reached out to LILWA and its membership for input on coastline areas such as Mastic Beach and Oakdale etc.

So, if you would like to participate in this survey please call, email or fax your answers to the following questions to the LILWA office and we will compile them and pass it on to the County. Your company will remain anonymous.

1. Was there a jump in pump-outs post Sandy, numbers or percentage?
2. Was there an increase in cesspool/septic failures post Sandy, numbers or percentage?

Please send answers to:

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Email: [info@lilwa.org](mailto:info@lilwa.org)

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## Executive Director Highlights



**Linda  
Perlow**

We, at the Long Island Liquid Waste office, are presently working from home in an effort to continue serving our member's needs. Like the rest of Long Islanders here at LILWA we are adapting to these challenging times. The LILWA Board of Directors, our committees and the office staff are practicing safe social networking while serving our membership. I believe, with safe practical creative

measures we will get through this crisis and return to normal.

That being said, we are now working on the Judge Coleman Memorial Scholarship Program so it's no mystery why this time of year I find myself reminiscing about the man. Not only did I work with Judge, but my husband and I used to socialize with him and his lovely wife Liz. To most of you who knew Judge he was a character, a determined advocate for the septic industry and someone we all came to know not just as a business colleague but as a friend.

He was there and very involved with the development of the Suffolk County Septic Licensing Law and establishment of the Septic Advisory Board on which he served. Da Judge was a long-range planner who saw the value in a dedicated septic license, a Certification Program, a LILWA Web Site and much more. If you have been involved with developing an internet site, you know it may or may not pay off. Ours took a while but turned out to be worth the time and investment, guess he was right again.

So, when we lost Judge in September of 2017 the number of people who sought to do something to honor him was amazing. After numerous ideas were discussed the LILWA Board of Directors decided and voted unanimously on the establishment of a scholarship fund in his name.

The first year of the program donations exceeded all expectation and we expected it would level out the second year, which is common, but it did not. Now in the third year of the program we are still on an impressive track. It appears to me that even though Judge is not with us any more he is still refining our association. Even in the midst of this horrendous pandemic crisis we find ourselves dealing with donations for this year's awards which are still coming in. As a result, our Scholarship Committee will be awarding one or more scholarships to deserving students.

LILWA Certification Program is still on going, however, we are adjusting the schedule as needed. If this crisis is extended into May, which is possible, adjustments will be made. Call me if you have a problem and/or check our web site [www.lilwa.org](http://www.lilwa.org) for updates. Speaking of our web site the LILWA office is receiving notifications, be it federal, state or local governments and private industry, relative to the septic industry and the current pandemic. We are posting those alerts on the LILWA web site for your information.

For many years LILWA has hosted a very popular meeting in the Hamptons for our East End members. Unfortunately, at this time, for the safety of our membership and the public currently we feel it's prudent to cancel this year's Annual East End Meeting.

*Linda*

		<b>Robert Affenita</b> President
<small>Located at 899 Lincoln Ave. &amp; corner of Church St.</small>		<small><a href="http://www.allcountyblock.com">www.allcountyblock.com</a></small>
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## Andriola Unanimously Re-elected

This past January, LILWA's Board of Directors in a show of confidence re-elected President Andrew Andriola and the complete executive board to another year at the helm. The secretary, at the request of the Board, cast one vote unanimously re-electing Andrew Andriola President along with Mike Barry as Vice President, Dick Crescenzo as Secretary, and Joe Garbarino as Treasurer.

Our compliments to all four of these Executive Offices along with our appreciation for the time and effort they so generously donate to the septic industry and the Long Island Liquid Waste Association. It's because of the efforts of volunteers like these that LILWA has become as successful advocate for the septic trade and the residents it serves.



(L to R) Dick Crescenzo, Joe Garbarino, Andrew Andriola and Mike Barry



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## UPDATE

### Nitrogen Removing Biofilters

The Center for Clean Water Technology (CCWT) is continuing to develop non-proprietary, onsite wastewater treatment systems for residential and commercial use that reduce nitrogen to below 10 mg/L. The CCWT currently has three variations of Nitrogen Removing Biofilters (NRBs) that are adaptable to site constraints, depth to groundwater and degree of desired nitrogen removal. The basic components are an aerobic sand filter for the conversion of ammonia to nitrates followed by an anoxic (oxygen-free) environment for denitrifying bacteria to convert nitrates to nitrogen gas that is then safely released to the atmosphere.



As of January 2020, CCWT has installed 8 NRBs across Suffolk County as part of the experimental phase of Suffolk County's Article 19 performance evaluation program which established a framework for the Department of Health Services to evaluate, approve, register, oversee and facilitate the use of innovative and alternative onsite wastewater treatment systems that, at a minimum, are designed to reduce total nitrogen in treated effluent to 19 mg/l. All CCWT systems are performing at levels better than those established by Article 19.

### New York State Wastewater Research and Innovation Facility (WRIF)

There are several experiments now being run by the Center's researchers within the WRIF, which was officially opened in Summer 2019.

Raw wastewater from the Suffolk County Department of Public Works' sewage pumping station #10 is being used to test concepts of design and determine empirical relationships that will ultimately result in a guidance document for the design, installation and maintenance of NRBs.



Experiments have been ongoing since mid-2019 to prove concepts and theories for the next generation of NRBs, with initial results producing a total nitrogen concentration of approximately 2 mg/liter at very low flows. The system is now being tested at various flows to establish the optimum loading rate that will be used for the development of the full-scale prototype mentioned above. Experiments are also concluding on the design of nitrate polishing filters using lignocellulose (woodchips, saw dust, mulch) as a carbon source. A column experiment is also being constructed to test the removal of contaminants of emerging concern using variations of the NRB process technology.

As a service to the industry of advanced onsite wastewater treatment systems, the Center has progressed discussions with 2 companies who wish to fine-tune the operational parameters for obtaining 19 mg/liter per Article 19 requirements. The systems are planned to be installed at an area adjacent to the WRIF and will use raw wastewater to determine performance adjustments

# The Toilet Paper Riots

In an effort to take a balanced approach to this Pandemic we are facing government officials are urging us to stay calm but take pragmatic precautions to protect ourselves and loved against this current virus. That being said on a lighter side who ever thought that some would be panicking and stripping our stores of essential items such as toilet paper. It seems ever since the first video appeared showing customers fighting over toilet paper there has been an obvious shortage in the store.

The average American uses 100 rolls of toilet paper in a year that works out to approximately 1 roll every three and a half days plus 90% of the products are made here and in Canada. We will not run out.

However, just in case you find yourself quarantined without a single roll in sight, here's what our ancestors used to wipe their backsides with before toilet paper was invented.

While the elimination process hasn't changed much over the years, what to clean up with certainly has. Initially, people used whatever was handy: Rocks, sticks, leaves, corn-cobs or even wood shaving. The creation of toilet paper, as we know it, is credited to the Chinese, who invented a "wrapping and padding material" known as paper in the 2nd century B.C., according to [www.ToiletPaperHistory.net](http://www.ToiletPaperHistory.net) . By the 6th century, it was commonly used around China.

The first modern form of toilet paper was made in 1391, created for the emperor and his family; each sheet was even perfumed. It was widely circulating by the 15th century.



**Joseph C. Gayetty**

Mass production of the bathroom tissue didn't start until the 1800s. Joseph C. Gayetty is widely credited with being the inventor of modern commercially available toilet paper in the United States. It was available as late as the 1920s. Gayetty's announcement proved to be surprisingly provocative. Loo roll may now be considered an essential home comfort, but in the 1850s the idea of paying good money for mere 'bum fodder' was greeted by a chorus of mocking laughter. What was wrong with the corn husks and pages torn from newspapers, magazines and catalogues that had served so well and cost so little? Some catalogue publishers in the US had even started piercing a hole in the corner, as if tacitly accepting that their pages were destined to be hung in a latrine and used as toilet paper.

The Scott Brothers took it a step further in 1890, and toilet paper was on a roll, literally and figuratively. One sheet per wipe wasn't cutting it anymore. In 1942, St. Andrew's Paper Mill in England began selling the first two-ply toilet paper. And the design has pretty much remained the same ever since.

So, we know the Chinese may have given us the COVID-19 virus but on the other hand they also gave us toilet paper to clean our derriere.

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## Long Island Liquid Waste Association Certification 2020

The following tables designate the endorsements and present Suffolk County approved training programs offered by the Long Island Liquid Waste Association and the Suffolk County Department of Health Services

The LILWA Certification program has been approved by Suffolk County to fulfill the qualifications for **endorsements 1,2,3,4,5,6,7 and 9**. It is designed to educate those applying for or renewing a Suffolk County Septic License. The course schedule is below, and the fee is \$200 per person. It is an **8 Training Credit Hour (TCH)** program and is scheduled for 4 times per year.

The program consists of a classroom presentation, down loadable study guide and an open book test. It is designed to educate those applying for or renewing a Suffolk County Septic License.

An application for the LILWA program and a free study guide can be down loaded at: [www.lilwa.org](http://www.lilwa.org). You will be supplied with a study guide at the session, however studying ahead of time will greatly assist you in completing the session.

### LILWA Endorsement Training

1	Septic Tank Pumping, Cleaning and Maintenance
2	Grease Trap/Grease Interceptor cleaning and Maintenance
3	Yellow Grease/Fryer Oil Collection
4	Temporary Restroom Facilities
5	Waste Line Cleaning and Inspection
6	Bulk Liquid Waste Transportation
7	Vactor (pump/vacuum) Services
9	Conventional Septic System Installation

### LILWA Certification Schedule

Sessions	February 10, 2020	May 11, 2020	August 10, 2020	November 9, 2020
Time	9 AM-5 PM	9 AM-5 PM	9 AM-5 PM	9 AM-5 PM

### Suffolk County Endorsement Training

10	Innovative and Alternative Treatment System Installer
11	Innovative and Alternative Treatment System Provider

For applications, training schedule and further information on Suffolk County's Endorsement Training visit: [www.suffolkcountyny.gov/departments/consumeraffairs](http://www.suffolkcountyny.gov/departments/consumeraffairs) or call 631-852-5808



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