



# Big Step for I/O Systems

This past September 9th the Suffolk County Legislature addressed IR 1643 an amendment to the Suffolk County Sanitary Code Article 6. Basically, this change would require county residents who build and/or renovate their homes to install low nitrogen producing high tech septic system commonly known as innovative and advanced systems approved by the County.

In the first part of the day the amendment which was sponsored by Democratic Legislator Bridget Fleming was open to public input. Upon returning from a break the afternoon the afternoon found the legislators with more questions than answers resulting in a tabling of the bill.

After having time to deliberate and re-examine the proposed amendment 28 days later the Suffolk Legislature again addressed IR 1643 at the next Legislative Assembly on October 6th. This time the vote was unanimous to approve the amendment to require Advanced and Innovative septic systems in most new homes and commercial properties in an effort to combat nitrogen intrusion into our water.

## PRESIDENT'S CORNER



**Andrew Andriola**

As we look back on this past year no doubt we will all remember it as the year of the Global pandemic. To quote Dr. Fauci "This is an outbreak of historic proportions, the likes of which we've not seen in 102 years" It affected just about every aspect of our lives, our personal lives, our work, our recreational time, travel and even a national election. However, I believe even in the midst of the death and destruction American ingenuity has prevailed and we have turned the corner.

Politics aside in less than a year most of the public started washing hands, wearing masks, safe distancing and following safe guide lines. Our government immediately started to fast track a vaccine with a program nick named

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The following is the final revised amendment just released by the Suffolk County Department of Health Services. If you have any questions feel free to contact the SCDHS Office of Waste Management at (631) 852-5700.

### §760-614 Requirements for I/A OWTS as method of Individual Sewerage Systems or Subsurface Sewage Disposal Systems for Construction Projects or Other Construction Projects

A. Construction Project applications submitted to the Office of Wastewater Management on or after July 1, 2021

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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)*

“Operation Warp Speed” and in less than 10 months we now have an effective treatment protocol and more than one vaccine. Our scientists and front line workers have earned my respect. But it is far from over. According to the experts it will still take another 7 months before we can let our guard down, if at all. Until then please continue to practice safe habits. Wash hands, wear masks and watch your social distancing.

Although, many of LILWA's annual activities have had to be put on hold this year, like the rest of the world we developed safe alternate procedures where possible. As many of you may have experienced, we developed a webinar in order to continue our Certification Program safely and will continue to until the caution flag is down. The same goes for our Board of Directors meetings. This is no time to get reckless, safety and health comes first.

Our Scholarship Committee which consists of Chairman Bill Rode, Dick Crescenzo, and Peter Barrese also manage to complete their assignment. Not only did they hold a successful fund raiser, but they awarded two deserving scholarships this past year. Just a reminder they have started the fund raiser for 2021, details are in this newsletter. It is a great cause please be generous.

As we do every year LILWA held its Annual Board of Directors Election for the coming year this past Fall. I would like to congratulate the six re-elected Board members and welcome the 2 new board members Ron Sass of Evergreen Custom Cesspool Builders and Robert McInerney of United Cesspool. Also check for more details inside this edition of the LILWA News.

My heart goes out to all those who have lost loved ones during this past year. With that being said, taking into consideration all the strides all of us together have made towards conquering this Pandemic I am extremely optimistic about our future. I still have my fingers crossed that this Summer we may be able to hold our exceedingly popular annual Summer outing. What a great way to celebrate.

Even with all that's been done so far, it's up to us. We still have months to go before enough of us are vaccinated and we can consider this pandemic under control.

***Andrew Andriola***  
President

## 2021 Judge Coleman Scholarship

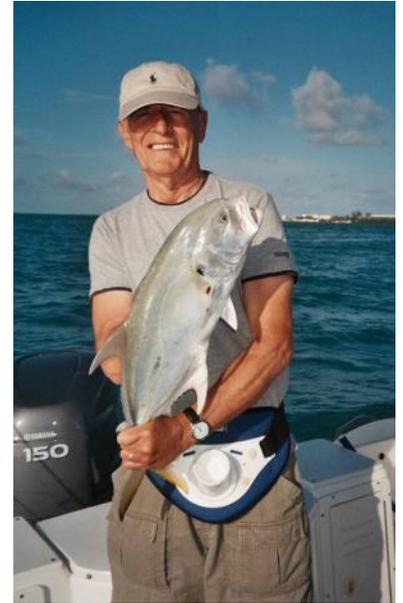
"I can give you a fish and feed you for today or I can teach you to fish and feed you for the rest of your life". That was Judge Coleman's motto, he was a great believer in education and one of the driving forces behind the LILWA Certification Program. This is one of the reasons it was fitting that the LILWA Board of Directors chose to name the annual scholarship program in his honor.

This is the time of year we traditionally kickoff our scholarship program for the coming year. Since it is inception in November of 2017 your generosity has awarded 8 scholarships to deserving students.

Each year LILWA starts off the award fund raising with a \$1000 grant and follows up with a fund-raising drive January through the end of March. A scholarship committee established and appointed by LILWA's President will determine the recipient and or recipients. You will, if you have not yet, receive a flyer in the mail or go to the Scholarship section on [www.lilwa.org](http://www.lilwa.org) and download a donation form. All contributors will be recognized in our Summer newsletter.

The scholarships will be announced and awarded at the LILWA June Board of Director Meeting. Those desiring to apply for an award can find and download the rules and applications also at [www.lilwa.org](http://www.lilwa.org) or call the LILWA office at (631) 585-0448.

So, we are aware this has been a difficult year for many but please try to find it in your heart to help some of our worthy and gifted students.



*The late Judge Coleman*

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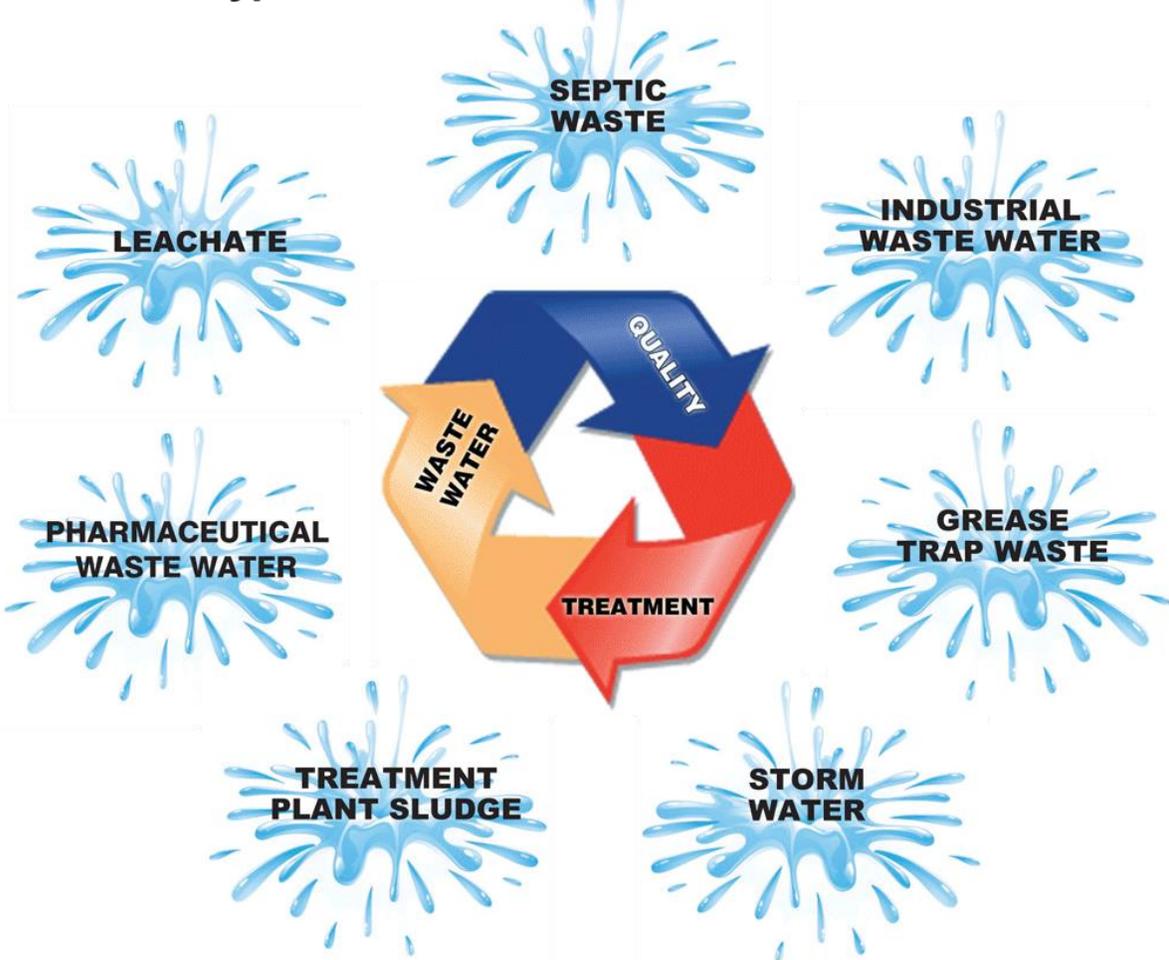
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## Big Step for I/O Systems

*(Continued from page 1)*

for approval of water supply and Sewage disposal facilities in accordance with Section 760-606 of this Article shall include the installation of an I/A OWTS as the method of Sewage disposal if all of the following conditions exist:

1. The Construction Project is a New or Expanded Single-Family Residence or Major Reconstruction; and
  2. The Construction Project is permitted to install an Individual Sewerage System or Subsurface Sewage Disposal System in accordance with Section 760-608 or 760-612 of this Article.
- B. Other Construction Project applications submitted to the Office of Wastewater Management on or after July 1, 2021 for approval of water supply and Sewage disposal facilities in accordance with Section 760-606 of this Article shall include the installation of an I/A OWTS as the method of Sewage disposal for the Density Load if all of the following conditions exist:
1. The Other Construction Project is a New Other Construction Project; and
  2. The Other Construction Project is permitted to install an Individual Sewerage System or Subsurface Sewage Disposal System in accordance with Section 760-610 or 760-612 of this Article.
- C. The requirement of Section 760-614.A and 760-614.B shall exclude Construction Project or Other Construction Project parcels located within a proposed sewer district as approved by the Commissioner in accordance with Department standards.
- D. An existing New or Expanded Single-Family Residence shall be exempt from the provisions of Section 760-614.A, provided it meets all of the following criteria:
1. The Construction Project is not a Major Reconstruction.
  2. the Construction Project does not include an addition of one or more bedrooms to an existing Single-Family Residence exceeding the number of bedrooms previously approved by the Department's Office of Wastewater Management; and
- E. An existing New or Expanded Single-Family Residence shall be exempt from the provisions of Section 760-614.A, provided that it is not a Major Reconstruction, there is no change in square footage or building footprint, and the total number of bedrooms does not exceed five (5). In all cases where bedrooms are added to New or Expanded Single-Family Residences, at a minimum, a conforming Conventional Septic System is required.
- F. The installation of an I/A OWTS in accordance with 760-614.A to serve a modified existing Single-Family Residence, where the hydraulic capacity and setbacks of the I/A OWTS have been maximized to the greatest extent possible compared to Department Standards, shall be deemed to comply with Department Standards without the need for a variance or waiver from the Department per Section 760-612.A, at the discretion of the Department and provided the following criteria are met:
1. The installation of a new or modification of an existing Individual Sewerage System or Subsurface Sewage Disposal System replaces a Conventional Septic System or Cesspool with an I/A OWTS;
  2. The separation distances from the Individual Sewerage System or Subsurface Sewage Disposal System to onsite and neighboring Individual Water Supply Systems comply with Department Standards or are not less than the existing separation distances; and
  3. The Construction project cannot be modified to comply with Department Standards.

## Executive Director Highlights



Linda Perlow

There are days and years in life we will never forget where we were and what we were doing. On November 22, 1963 I remember having lunch with a girl friend at the Blarney Stone in Manhattan when, with the rest of the world, I learned of the assassination of President John

Kennedy. In December of 1999 I was planning to spend New Years Eve in Vegas celebrating the incoming new century when we all learned of a serious computer bug labeled Y2K. The Y2K bug was a bug that could cause problems when dealing with dates beyond December 31, 1999. and the year 2000 was approaching. Consequently, I was forced to cancel plans and spend the weekend at the office repairing the one out of our 4 computers that was affected by Y2k bug. Lucky for me it only effected one computer.

Then this past January 2020 started off like any new year but by the end of the month we started to hear about this thing called COVID-19 in the Far East and parts of Europe, a long way from us. We even held a live Certification Session in February.

Again, lucky for me I was in Florida the end of February when even with travel restrictions it hit our shores. New York had become the epicenter of the Pandemic and we all started to pay attention to this threat. At LILWA we had already scheduled the next Certification Session for May and in the beginning of April the US experienced record cases and deaths from this pandemic... New York leading the way.

Lucky for us there was a new software program in the market place, that had become the flavor of the day, called "Zoom" that sounded ideal for

our needs. So, we purchased it and began to learn it. Next step, we had to rewrite our existing Certification program which was developed by members of the local septic industry for Long Island. I would compare it to turning a book into a movie. In 3 months using our original Certification Program as a guide we revised the script, added graphics and enlisted panelists just in time for a July presentation.

Before we felt ready for the Certification Sessions we tested ourselves using Zoom for our Board of Directors Meetings and after a few hiccup's we were ready for prime time. Our first webinar which was held in July and had over 50 attendees, surprisingly it went well. Instead of our usual 9AM – 5PM all day live presentation we broke it into 2 nights 5PM – 9 PM.

*(Continued on page 8)*

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## Long Island Liquid Waste Association Certification 2021

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 and/or webinar. 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

*Note: 9 AM—5 PM sessions are live classroom sessions and 5 PM—9 PM are webinars*

Sessions	February 15 & 17 2021	May 10, 2021	August 9, 2021	November 15 & 17 2021
Time	5 PM - 9 PM	9 AM - 5 PM	9 AM - 5 PM	5 PM - 9 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



## UPDATE

### Total Maximum Daily Load for Nitrogen for the Peconic Estuary

In 2007, New York State developed a nitrogen pollutant load limit for the Peconic Estuary called the Total Maximum Daily Load for Nitrogen for the Peconic Estuary (TMDL). The TMDL outlines the maximum amount of nitrogen the estuary can receive and still meet water quality standards. TMDL plans:

- Identify all the pollutant sources contributing to the water impairment.
- Use computer models to determine the pollution reductions needed to meet water quality standards and to specify the amount of pollution coming from each source.
- Determine how much each source should be reduced to meet water quality standards.
- Include an implementation plan that identifies and describes the actions needed to improve water quality.

PEP was influential in moving forward the 2016 Riverhead Sewage Treatment Plant upgrade and reuse project in order to meet the TMDL requirements in the western segment of the Peconic Estuary. After upgrades to the Riverhead plant, highly treated wastewater is now used to irrigate the Indian Island Golf Course, reducing overall water use and diverting approximately 1.4 tons of nitrogen per year from entering the Peconic Estuary via the Riverhead Sewage Treatment plant outfall pipe. This project is an excellent example of how water reuse can be used to reduce nitrogen from entering Long Island's embayments.

### Living Shoreline Nutrient Bioextraction Pilot Project

In coordination with the Suffolk County Cornell Cooperative Extension Marine Program, PEP is working on a pilot project to create a living shoreline at the Suffolk County Marine Environmental Learning Center. A living shoreline is a protected coastal edge made of natural materials such as plants, sand, or rock and is designed to mimic a natural shoreline. Living shorelines provide wildlife habitat, as well as natural resilience to communities near the waterfront. Studies have shown that natural shorelines are more protective during heavy storms because they disperse the waves' energy.



The living shoreline for this project includes intermittent patches of cord grass, a native plant found in coastal salt marshes, and ribbed mussels. Cord grass was planted in the pilot area where they developed an extensive root system that not only keeps the sediment intact, preventing erosion, but also provides the filtration of nutrients and pollution before it enters the bays. Ribbed mussels are an integral part of

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the salt marsh complex, providing resilience to the seaward edge of the marsh and improve water quality through filter-feeding.

The pilot project will monitor the effectiveness of cord grass and ribbed mussels to mitigate nitrogen pollution in the Peconic Estuary. This project will be a model for restoring and protecting the coastline to mitigate coastal erosion, allowing natural processes that trap sediment and filter runoff while maintaining the beach and wetland habitats. The project is due to be completed by September 2021.

## Peconic Estuary Solute Transport Model

With funding from NYSDEC, the PEP and the United States Geological Survey (USGS) are developing a Solute Transport Model for nitrogen in the Peconic Estuary. The model looks at water table fluctuations over time, water use, and nitrogen loading—as a function of changing land use and atmospheric deposition rates—from the early 1900's through the present. The objective of the model is to understand historical and current nitrogen loads to the Peconic watershed, which will be used to guide local, state and regional management actions. The model is expected to be complete by Spring 2021.

## Nitrogen Assessment Project

PEP is funding a Nitrogen Assessment Project and hired Anchor QEA LLC to assess the cost, per pound, of nitrogen removal for various nitrogen reduction best management practices currently being employed throughout the country. This project will result in a decision-making tool to be used to determine the most cost-effective ways to reduce nitrogen on a sub-watershed basis in the Peconic Estuary. The project is expected to be completed in the Fall 2021.





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### CATASTROPHIC FAILURE REPLACEMENT PLAN

Singulair Green I/A OWTS Program for the Replacement of  
a Residential Wastewater System Due to Structural Failure

The SCDHS describes a structural failure as a collapsed cesspool or leaching structure which prohibits the sanitary system from accepting sewage from the residence which cannot be corrected by having the system pumped by a contractor.

Because the cost of replacing a failed system might be difficult for homeowners to bear, Roman Stone Systems (RSS) has established a “Catastrophic Failure Plan” that will allow contractors to offer a Singulair Green Tank combined with County/State SIP grant that will possibly pay for the entire installation and help homeowners out of a financial jam.

RSS can quickly provide a Singulair Green Tank from our yard in Bay Shore (or we will leave one on consignment in your yard) upon discovery of a failed/ collapsed cesspool. The Green tank comes complete with the preinstalled aerator and filter, up to 3 inlet openings for jobsite versatility and weighs less than 1,000 pounds. *From identification of the failure to final approval, these projects can be completed in as little as one week.*

Contact Roman Stone Systems today for more information about getting a Green Tank on consignment in your yard and for help in upgrading a failed cesspool to a NORWECO Singulair Green I/A OWTS system.





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## WWETT Show Re Scheduled



Dallas, TX – After discussions with industry peers and partners, the WWETT Show team made the decision to postpone the event to May of 2021. This decision was not made lightly and was done with our community’s best interest in mind. In order to provide the best possible experience for our customers, **the WWETT Show will take place May 3rd-6th in the same location – The Indiana Convention Center.**

“We understand how important the sense of community and gathering is to this industry, and we wanted to do our part to ensure a productive and relaxed environment for all those in attendance,” said Sue Pino, Sales Director for The WWETT Show. “So much goes into preparing for an event, so we wanted to provide our exhibitors, speakers, attendees and industry partners ample notice of our plans for the 2021 show.”

We have seen this industry come together in support of one another like never before and we are looking forward to reuniting as we return to the live event this Spring. We are eager to continue our role in driving the industry forward, connecting our communities and supporting your businesses. Thank you for your support, we look forward to seeing you in Indianapolis in May