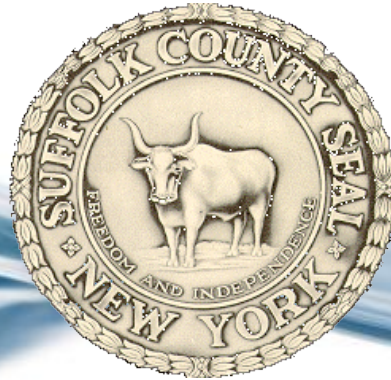


# SUFFOLK COUNTY'S Reclaim Our Water

## INITIATIVE

*6th Northeast Onsite Wastewater Treatment  
Short Course and Equipment Exhibition*



[WWW.RECLAIMOURWATER.INFO](http://WWW.RECLAIMOURWATER.INFO)

**JUSTIN JOBIN, ENVIRONMENTAL PROJECTS COORDINATOR**  
[JUSTIN.JOBIN@SUFFOLKCOUNTYNY.GOV](mailto:JUSTIN.JOBIN@SUFFOLKCOUNTYNY.GOV)  
**631-852-5811**



# PRESENTATION OVERVIEW

- ❑ Why we are worried about Nitrogen Pollution
- ❑ Evolution to Use of Nitrogen Reducing Septic Systems in Suffolk County
  - ❑ Suffolk County Demonstration Program
  - ❑ Liquid Waste Training Requirements
  - ❑ Changes to Suffolk County Sanitary Code
  - ❑ Policy Decisions and Code Amendments
  - ❑ Subwatersheds Wastewater Plan
  - ❑ Suffolk County and New York State Grant and Loan Programs



A screenshot of the 'Reclaim Our Water' website. The header features the title 'Reclaim Our Water' in blue and green text, with a small globe icon. Below the title is a wide landscape photograph of a body of water with reeds and trees in the background. A navigation menu consists of six circular icons: 'Homeowners' (grass), 'Industry' (hands under water), 'Regulatory' (blue globe), 'Technical' (water in a bowl), 'Infrastructure' (silhouettes of people), and 'Contact' (bridge at sunset). Below the icons are two blue horizontal bars with white text: 'Septic Improvement Program' and 'ROW Film Contest'.

**“We are a county that will no longer allow our water quality crisis to go unaddressed, but will come together to Reclaim Our Water.”**

**SUFFOLK COUNTY EXECUTIVE STEVE BELLONE**  
*2014 State of the County*



# Why the Concern?

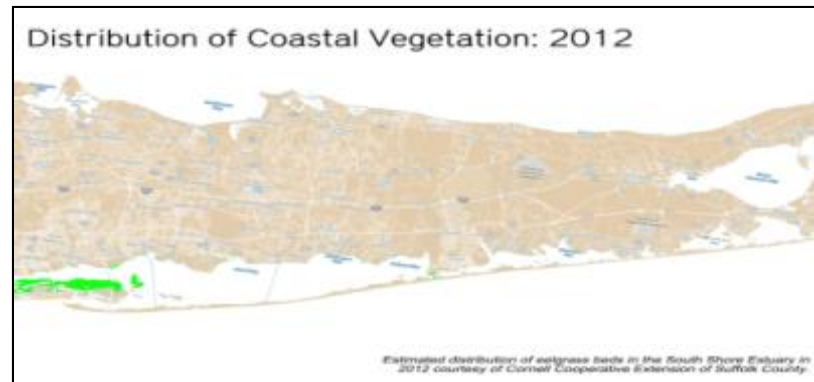
- ~1.5 million people, >900 sq miles/600,000 acres
  - Mostly unsewered (~74% of population)
- Vulnerable sole source aquifer
  - Diffuse public water supply well network (~900 wells)
    - Often relatively shallow (upper glacial aquifer)
  - ~35,000 Private wells
- Wetlands, surface waters, 3 major estuary systems
  - Groundwater and surface waters are connected
- 190 Public Bathing Beaches
  - “The Environment is the Economy.”



# NITROGEN IMPACTS

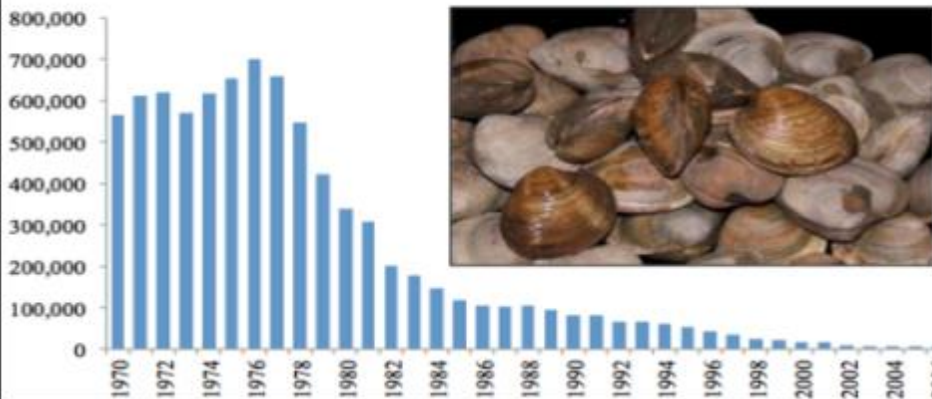
➤ All 3 Estuary systems **IMPAIRED** (dissolved oxygen), **PLUS:**

Harmful algal blooms across Long Island

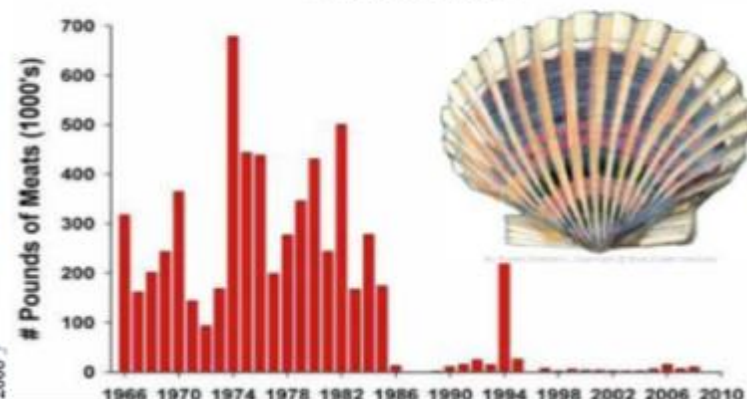


~90% loss of SAV; major loss of wetlands

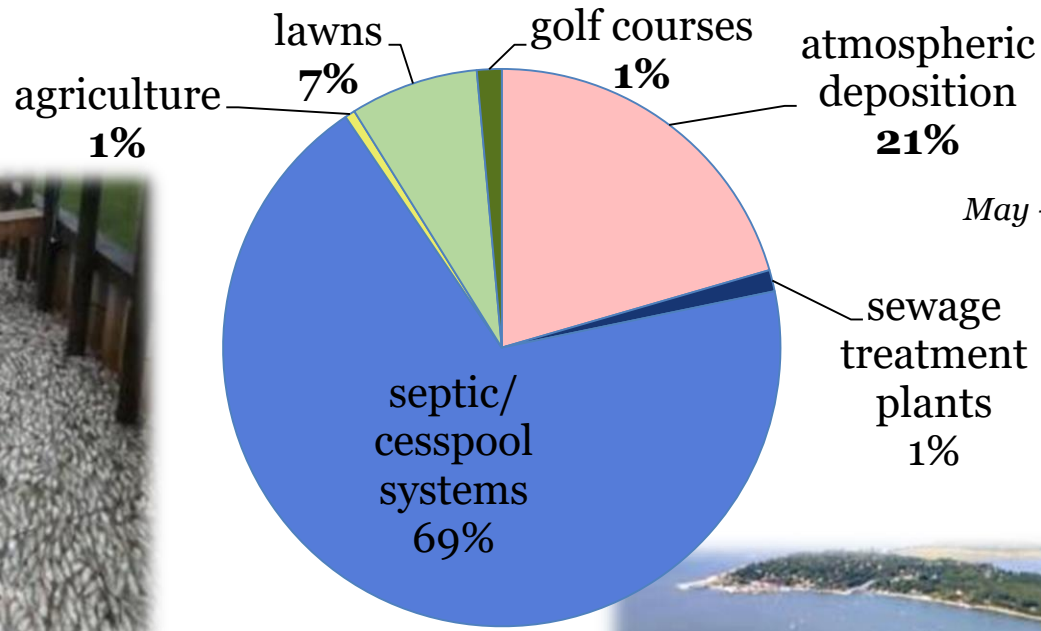
Hard clam landings (bushels) in Great South Bay



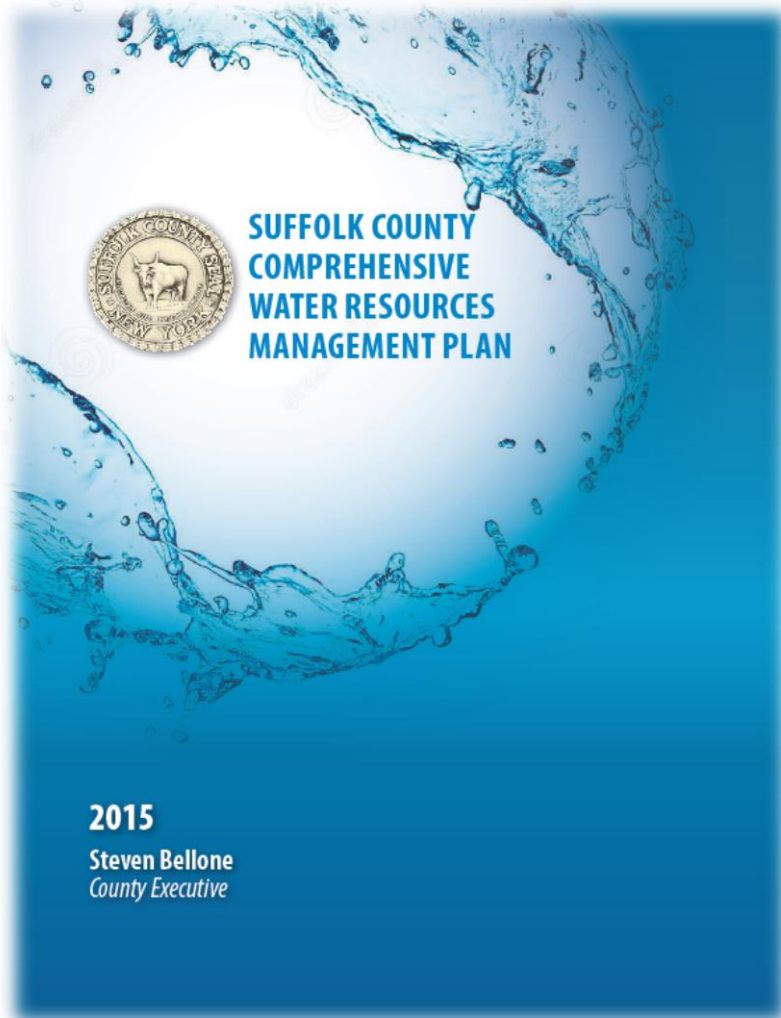
New York Bay Scallop Landings - Commercial -



# Reclaim Our Water



# SUFFOLK COUNTY COMPREHENSIVE WATER RESOURCES MANAGEMENT PLAN 2015



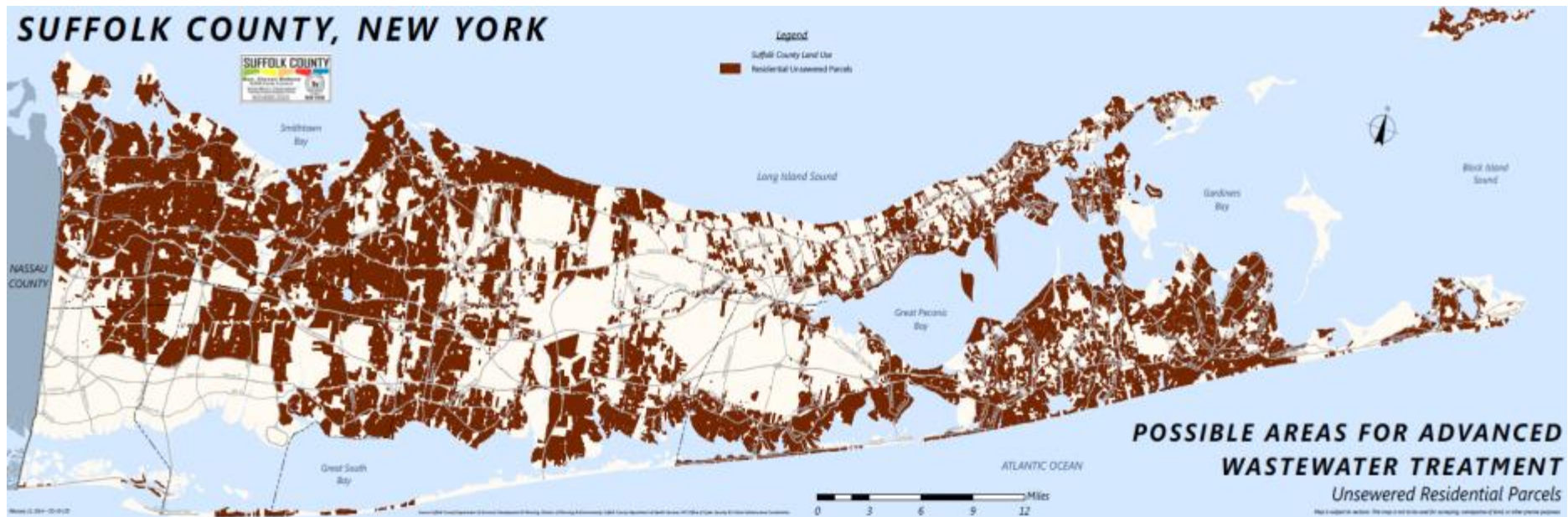
## Topics Include:

- Value of Water
- Ways/Means to Protect Water Quality
- Wastewater Treatment
- Coastal Resiliency
- Nitrogen
- VOCs
- Pesticides
- Pharmaceuticals & Personal Care Products
- Watersheds & Integrated Ecosystem Health



## 74% NON-PERFORMING WASTEWATER TREATMENT

- Approximately 360,000 onsite sewage disposal system
- 209,000 systems in priority areas
- Approximately 252,530 pre-date requirement for septic tank

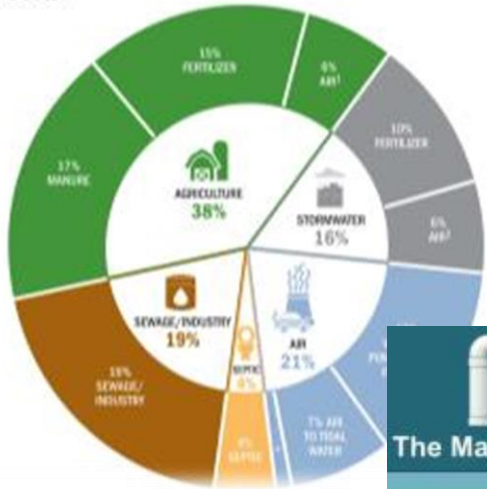







# MULTI-STATE SEPTIC TOUR TO INVESTIGATE I/A TECHNOLOGIES AND I/A PROGRAMS

Nitrogen Pollution to the Chesapeake Bay  
By Sector



COUNTY OF SUFFOLK



**STEVEN BELLONE**  
SUFFOLK COUNTY EXECUTIVE

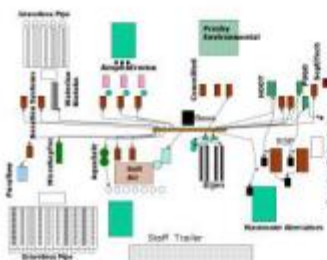
REPORT ISSUED BY SUFFOLK COUNTY  
DEPARTMENTS OF ECONOMIC DEVELOPMENT & PLANNING, HEALTH SERVICES,  
AND PUBLIC WORKS

**Advanced Wastewater &  
Transfer of Development Rights  
Tour Summary**

April 28, 2014

**MASSTC**  
The Massachusetts Alternative Septic System Test Center

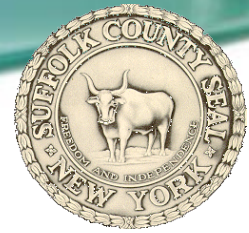
The Massachusetts Alternative Septic System Test Center



Beginning in the early 1990s, Barnstable County, Ma began realizing that nitrogen from septic systems was marine environments, causing accelerated eutrophica blooms. Searching for technologies to address th County Department of Health and Environmer Massachusetts Coastal Zone Management through t began what is now called the Massachusetts Altern Center (MASSTC). The Test Center began in 1995 septic treatment technologies in triplicate under Environmental Protection Agency (EPA) called the Ei Initiative (EII). Working with EPA and the National Sar of Ann Arbor Michigan, MASSTC conducted a refined n

# Cesspools and the Rhode Island Cesspool Act September 1, 2015

# LESSONS LEARNED FORM MULTI STATE SEPTIC TOUR

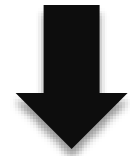
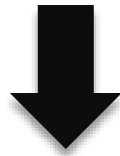
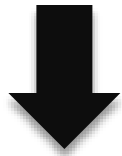
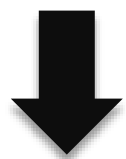


- **Wastewater planning is important**
- **Technology Demonstration Projects Are Effective**
- **Grants and Loans Are An Effective Tool for Incenting Homeowner Participation:**
- **Program Infrastructure is needed to Effectively Manage Program:**  
In order to track O&M contracts, maintenance, and performance, Barnstable County and several Rhode Island Towns have deployed an online tracking system.
- **A Variety of Technologies Are Viable Candidates for Further Investigation in Suffolk County**
- **Septic Test Centers Are 24/7 365 Endeavors**



# SETTING THE STAGE FOR THE SOLUTION TO NITROGEN POLLUTION:

## Evolution to the Use of Innovative Treatment Systems



INNOVATIVE  
ONSITE  
SYSTEMS

PREPARING  
THE  
INDUSTRY

RESPONSIBLE  
MANAGEMENT  
ENTITY

CODE  
AMENDMENTS

PUTTING NEW  
TECHNOLOGIES  
IN PLACE



PILOT  
PROGRAM

LICENSING  
LAW

ENACTED  
ARTICLE 19

WORKING  
GROUPS

IDENTIFY  
PRIORITY AREAS  
FOR ADVANCED  
TREATMENT



CERTIFICATIONS

TRAINING

REGULATE  
INSTALLATIONS  
AND MAINTENANCE

UPDATES OF  
OUTDATED  
REGULATIONS

FUNDING  
MECHANISM

# I/A OWTS DEMONSTRATION PROGRAMS





# SEPTIC DEMONSTRATION PROGRAM (I/A OWTS)

## ➤ *Phase 1 - Septic Demo Program*

- Manufacturer Selection
  - 4 manufacturers selected to install 6 types of systems for a total of 19 systems
- Homeowner Selection
  - 19 homes selected throughout the County via lottery by Legislative District

## ➤ *Phase 2 - Septic Demo Program*

- 6 manufacturers applied to install 8 types of systems
- Homeowner Selection - over 207 Applicants
- 20 homeowners selected on July 26, 2016





# SEPTIC DEMO PHASE 1 SYSTEMS



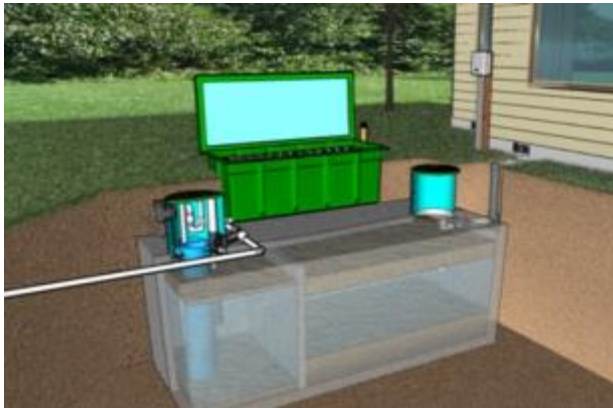
Norweco Hydro-Kinetic



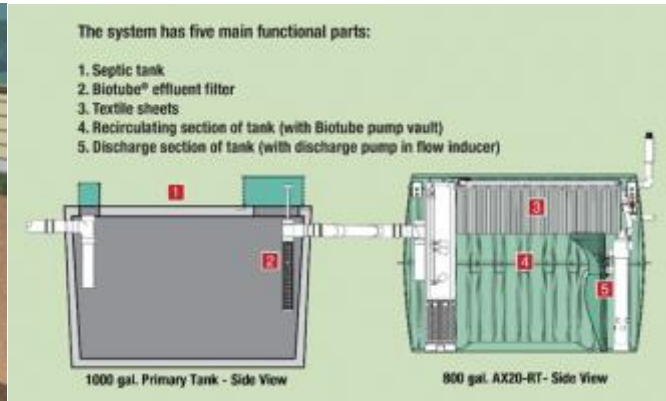
Norweco Singlair  
TNT



Busse



Orenco AdvanTex  
AX20



Orenco AdvanTex AX-RT

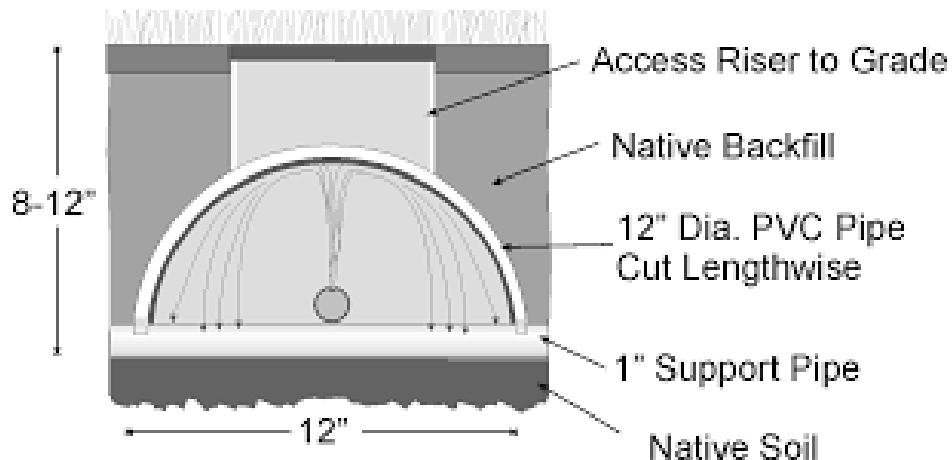


Hydro-Action



# THE PRESSURIZED SHALLOW DRAINFIELDS (PSDs)

- Pressurized drainfields that evenly and horizontally distribute treated effluent within 18 inches of the top soil horizon.
- Emphasis on increased microbial activity and nutrient absorption.
- **Treated effluent reductions up to 50% TN**





# PRESSURIZED SHALLOW DRAINFIELD

## A Cheaper and Better Performing Alternative to Mounded Systems

- Typical cost of I/A OWTS to PSD  
\$26,000
- Typical Cost of Conventional System  
with Mounded Retaining Wall  
\$45,000







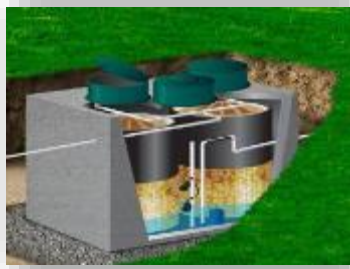
# SEPTIC DEMO PHASE 2 SYSTEMS



1. EcoFlo Coco Filter



2. Amphidrome



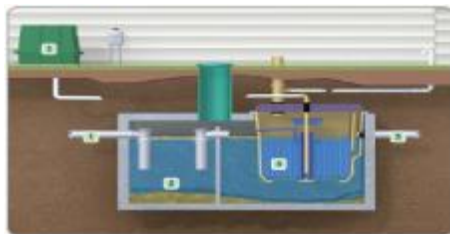
3. Waterloo BioFilter



4. Pugo Systems



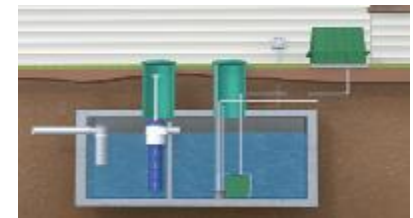
5. Fuji Clean USA



6. BioMicrobics:  
MicroFAST

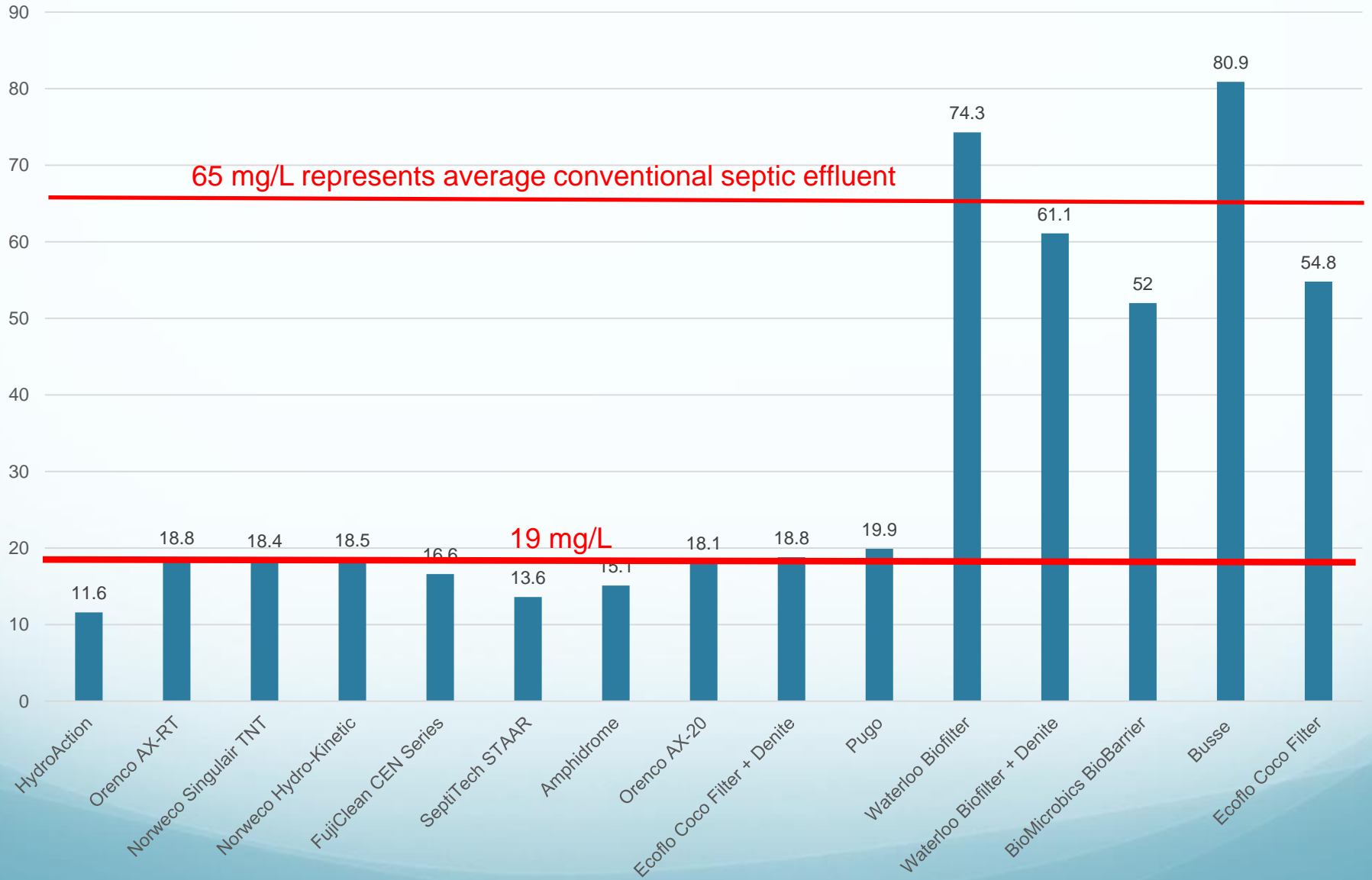


7. BioMicrobics: SeptiTech  
STAAR



8. BioMicrobics: BioBarrier  
MBR

# Suffolk County's I/A OWTS Demonstration Sampling Results 3/24/19



# Performance Summary of I/A OWTS Demonstrated in Suffolk County and Approved for Provisional Use

Technology	AVG (mg/L)*	Provisional Approval
Hydro-Action AN Series	11.6 mg/L	Approved in September 2016
Norweco – Singulair TNT	18.3 mg/L	Approved in October 2016
Orenco Advantex – RT	18.8 mg/L	Approved in March 2017
Norweco – Hydro-Kinetic	17.4 mg/L	Approved in April 2017
Fuji Clean System	16.6 mg/L	Approved in January 2018
SeptiTech STAAR	13.6 mg/L	Approved in July 2018
Amphidrome	15.1 mg/L	To be Approved in April 2019
Orenco AX Series	18.1 mg/L	To be Approved in April 2019
Ecoflo Coco Filter +	18.8 mg/L	To be Approved in April 2019

\*Standard is 19mg/L

# Septic Industry Licensing Program



# SEPTIC INDUSTRY LICENSING AND TRAINING

- New License Requirements Effective 6/23/16



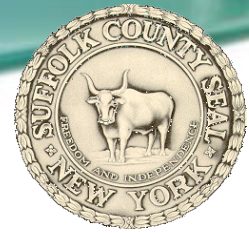
- 11 Specialized endorsements under “liquid waste umbrella”
- Required training and certification
- Required Continuing Education upon license renewal.





# ENDORSEMENTS

1. Septic Tank Pumping, Cleaning, and Maintenance
2. Grease Trap 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 Services
- ~~8. Conventional Maintenance Inspector~~
9. Conventional Septic System Installation
10. I/A OWTS Installer
11. I/A OWTS Maintenance Provider



# CONTINUING EDUCATION REQUIREMENTS TRAINING CONTACT HOURS (TCHs)

- Endorsements 1 – 8
  - A minimum of 8 TCHs for each 2-year endorsement renewal period.
  
- Endorsements 9 -11
  - A minimum of 12 TCHs for each 2-year endorsement renewal period.
  
- Suffolk County DHS able to offer Continuing Education Sessions for FREE thanks to SCUPE Grant from NYSDEC.



# SCDHS TRAINING OPPORTUNITIES



***I/A OWTS Self-Guided Tour – Western Suffolk Tour  
May 16, 2018 from 1 pm to 5 pm***

**Location:** *Entire class held in the FIELD! The class will be a self-guided tour and agendas with site assignments will be sent out one-week prior to the tour.*

**Cost:** *Free – Tour is limited, so please register early*





**ARTICLE 19**  
**MANAGEMENT OF INNOVATIVE AND ALTERNATIVE ONSITE WASTEWATER**  
**TREATMENT SYSTEMS**

**§760-1901 Declaration of Policy**

The designated best use of all groundwater of Suffolk County is for public/private water supply and food production and the best use of most surface waters is for food production, the propagation of natural resources, bathing, and recreation. The federal government has officially designated the aquifer below Suffolk County as a sole source for water supply. Therefore, it is hereby declared to be the policy of the County of Suffolk to maintain water resources as near to their natural condition of purity as reasonably possible for the safeguarding of the public health and the environment and, to that end, to facilitate the best available onsite wastewater management technologies to minimize and prevent water pollution from onsite wastewater treatment systems.

**§760-1902 Statement of Purpose**

Nitrogen has adversely affected groundwater and has caused impairments of all three major estuaries and numerous freshwater lakes and streams, resulting in eutrophication, hypoxia, and harmful algal blooms. Nitrogen has also decimated submerged aquatic vegetation and fragile wetland ecosystems, it has diminished coastal resiliency, and has contributed to the demise of a once nationally significant shellfish industry. When properly designed, sited, installed, managed, and maintained, Innovative and Alternative Onsite Wastewater Treatment Systems (I/A OWTS) provide a cost-effective and environmentally sound alternative to sewers in portions of Suffolk County that are outside the designated sewer areas, significantly reducing nitrogen and, in many instances, reducing or eliminating levels of other contaminants of concern such as pharmaceuticals, personal care products, and volatile organic compounds. The intent and purpose of this Article is to:

- a. Facilitate development and use of I/A OWTS in Suffolk County as an environmental conservation and public health protection measure; and
- b. Authorize the Suffolk County Department of Health Services, as a Responsible Management Entity, to develop and use resources, standards, capabilities and systems to ensure that I/A OWTS are properly managed and maintained.

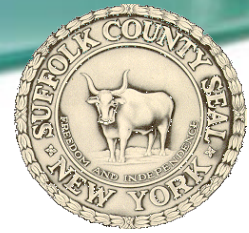
I/A OWTS are not considered sewerage, community sewerage systems, or modified subsurface sewage disposal (denitrification) systems under Article 6 of the Suffolk County Sanitary Code and it is not the intent of this Article to alter density requirements for unsewered parcels.

**§760-1903 Definitions**

- A. **Commissioner** means the Commissioner of the Suffolk County Department of Health Services.



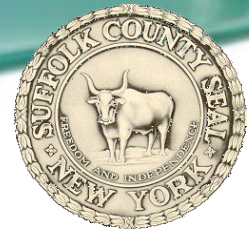
# Article 19 of the Suffolk County Sanitary Code



## KEY COMPONENTS OF ARTICLE 19

---

- Establishes a framework for the Department, as the Responsible Management Entity, to evaluate, approve, register, oversee, and facilitate the use of I/A OWTS
- Allows the Department the authority to promulgate procedures, protocols, and standards to evaluate, approve, register, oversee, and facilitate the use of I/A OWTS
- Article 19 allows the Department to ensure that I/A OWTS continue to function effectively over the long-term and to benefit the environment.
- The Department shall have the legal authority and technical capacity to ensure the long-term operation, maintenance and management of all I/A OWTS. Activities (monitoring, operation and maintenance, and data management)



## ARTICLE 19 SPECIFICS

---

- Department Responsibilities
  - Responsible Management Entity (RME) of I/A OWTS
  - Oversee Installation and O&M
  - Promulgate Procedures, Standards, & Protocols for I/A OWTS
  - Track I/A OWTS: Sampling, O&M, Contracts, Registration
  - Enforcement
  
- Property Owner Responsibilities
  - Maintain Current O&M Contract
  - Implement requirements to ensure system function
  - Register I/A OWTS with County prior to construction, upon property transfer, and every 36 months after initial registration
  
- Service Provider Responsibilities
  - Maintain Liquid Waste Endorsement K
  - Annual O&M
  - Notify Department w/ 30 days when O&M Contract is canceled or not renewed
  - Report all O&M, Recommendations, & Emergency Service



# KEY COMPONENTS OF ARTICLE 19 STANDARDS

- Approval Process for I/A Technologies
- Technology Verification and Performance Standards
- Property Owner Registration Requirements
- O&M Requirements
- Sampling Protocol



# **Approval Process in Suffolk County**



# TECHNOLOGY VERIFICATION

- I/A OWTS must have attained verification and/or certification status through:
  - The United States Environmental Protection Agency (“USEPA”) Environmental Technology Verification Program (“ETV”), or
  - National Sanitation Foundation/ American National Standards Institute (“NSF/ANSI”) Standard 245, or
  - Have current approval for 19 mg/l of Total Nitrogen (TN) in a minimum of two (2) comparable jurisdictions in similar climate conditions to Suffolk County. This includes all States who have signed the Memorandum of Cooperation for the US EPA’s New England Coastal States and Long Island Data Sharing Project.



# PERFORMANCE STANDARDS

- I/A OWTS must meet treated effluent concentrations for total nitrogen of nineteen (19) mg/L or less.
  
- The following criteria shall be used to evaluate these effluent through the different approval processes:
  - Experimental and Piloting Approval: 75% of technologies shall meet treated effluent concentrations for total nitrogen of nineteen (19) mg/L or less over a 12 month rolling average
  - Provisional and General Use Approval: The technology dataset must maintain a mean of nineteen (19) mg/L or Less.
  
- **Annual Review of Technologies:** The Department shall perform an evaluation of new I/A OWTS technologies to ensure that performance standards represent the best available technologies. This evaluation shall occur, at a minimum, on an annual basis, and more frequently if advances in technology so warrant.







# RESIDENTIAL APPROVAL PROCESS

<b>Approval Phase</b>	<b># of Systems</b>	<b>Sampling Frequency</b>	<b>Performance Requirement</b>
<b>Experimental*</b>	3 – 5 year-round	Monthly Sampling 12 months rolling average	The total dataset of 75% of the systems must have a combined average of 19 mg/L or less TN
<b>Piloting*</b>	8 – 12 year-round	Monthly Sampling 12 months rolling average	The total dataset of 75% of the systems must have a combined average of 19 mg/L or less TN
<b>Septic Demo Piloting</b>	1-5 Meeting Specific Criteria	Monthly Sampling 6 months rolling average	The total dataset of 75% of the systems must have a combined average of 19 mg/L or less TN
<b>Provisional 1</b>	First 20 year-round	Bi-Monthly Sampling for 24 months rolling average	The dataset of all the 20 systems must have a combined average of 19 mg/L or less TN
<b>Provisional 2</b>	All Residential Systems installed during Provisional Use Approval	Every 12 Months	The annual dataset must maintain a combined average of 19 mg/L or less TN in order to remain in the Provisional phase
<b>General Use</b>	All Residential Systems	Every 36 Months	The dataset must maintain an average of 19 mg/L or less in order to remain in General Use phase



# Suffolk County I/A OWTs Approval Process

## Comparison of Septic Demo vs Piloting

Septic Demo	Piloting	Provisional	General Use
			
1-5 Systems Required	8-12 Systems Required	Minimum of 20 Systems Required	Greater than 20 Systems
Dataset of 75% of systems must average 19 mg/L or less	Dataset of 75% of systems must average 19 mg/L or less	Entire dataset must average 19 mg/L or less	Entire dataset must average 19 mg/L or less
Procedures for excluding outliers; Streamlined path to Provisional	Procedures in place for excluding outliers	Cannot exclude outliers	Cannot exclude outliers
NSF 245 or USEPA ETV only	NSF 245, USEPA ETV or approval for N reduction in 2 comparable jurisdictions	NSF 245, USEPA ETV or approval for N reduction in 2 comparable jurisdictions	NSF 245, USEPA ETV or approval for N reduction in 2 comparable jurisdictions
Only installed in households who met specific criteria & agreed to routine visits & monthly sampling by SCDHS	Must be year round residences that agree to routine visits & monthly sampling by SCDHS	20 year round residences sampled every 60 days for 2 years by manufacturer with SCDHS QA/QC	All residential systems sampled every 3 years by O&M Provider with SCDHS QA/QC
Proven technologies with >20,000 installed in similar jurisdictions. Great confidence systems will reduce TN by 50% as certified by NSF & ETV	Proven technologies with >20,000 installed in similar jurisdictions. Great confidence systems will reduce TN by 50% as certified by NSF & ETV	Proven technologies with >20,000 installed in similar jurisdictions. Great confidence systems will reduce TN by 50% as certified by NSF & ETV. Proven ≥ 70% TN reduction on limited dataset in Suffolk County (i.e. achieved 19 mg/L)	Great confidence systems will reduce TN by 70%. Large dataset showing reduction of TN to 19 mg/L in Suffolk County

*Note - SCDHS is the first jurisdiction to have a program designed with US EPA statistical analysis. Approval process also allows for an experimental phase which requires an additional 12 months of sampling prior to a technology being accepted into the piloting phase.*



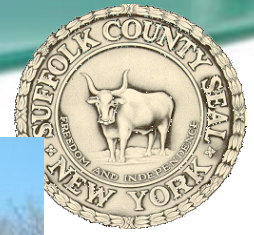
# COMMERCIAL APPROVAL PROCESS

- *Piloting/Experimental phases are identical for residential and commercial systems*
  - *A technology can advance to Provisional Approval after successfully completing piloting phase with residential systems, commercial systems, or any combination thereof*
  
- In order for a commercial technology to receive General Use Approval specific to any of the following subcategories:
  - (1) *Office, retail, industrial, gym and dry goods*
  - (2) *Restaurants, coffee shops, and other kitchen / fats, oils, and grease (FOG) waste*
  - (3) *Multi-tenant residential*
  - (4) *Institutional use*
  - (5) *Medical use*
  
- A minimum of four (4) systems must be installed and successfully implemented in that specific subcategory



# COMMERCIAL APPROVAL PROCESS

Approval Phase	# of Systems	Sampling Frequency	Performance Requirement
Experimental*	3 – 5 year-round	Monthly Sampling 12 months rolling average	The total dataset of 75% of the systems must have a combined average of 19 mg/L or less TN
Piloting*	8 – 12 year-round	Monthly Sampling 12 months rolling average	The total dataset of 75% of the systems must have a combined average of 19 mg/L or less TN
Provisional 1	First 20 Systems Installed and systems installed in commercial subcategories	Monthly Sampling for 12 months; bi-monthly sampling for an additional 12 months	The dataset of all the 20 systems must have a combined average of 19 mg/L or less TN
Provisional 2	All Other installations during Provisional Use Approval	Every 12 months, unless seasonal then every month of operation.	The annual dataset must maintain a combined average of 19 mg/L or less TN in order to remain in the Provisional phase ***
General Use	All Systems	Every 12 Months	The dataset must maintain an average of 19 mg/L or less in order to remain in General Use phase



# SAMPLING RESPONSIBILITIES

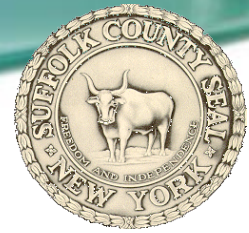
## ➤ *Experimental and Piloting Phases*

- SCDHS to perform monthly sampling

## ➤ *Provisional Phase*

- Manufacturer to perform bimonthly sampling of 1<sup>st</sup> 20 year-round systems
- Manufacturer to perform yearly sampling (TN only) for all other systems during the Provisional Phase
- SCDHS to take at least 1 sample from at least 20 Provisionally Approved systems per I/A Manufacturer per year (Check)





# GUIDANCE & APPROVAL DOCUMENT

- Once a technology is approved for Piloting, Provisional, or General use approval by SCDHS, The manufacturer (or designer in the instance of non-proprietary technologies) shall submit a finalized guidance document detailing all design, installation, and operation and maintenance requirements.
- I/A OWTS shall be installed, operated, and maintained in accordance with the process outlined in the guidance document and comply with all conditions outlined in the approval document for that specific technology.
- The manufacturer (or designer in the instance of non-proprietary technologies) shall conduct training in accordance with Chapter 563 Article VII (Septic Industry Businesses) and Endorsement K (Innovative and Alternative Treatment System Service Provider Endorsement) through the Suffolk County Department of Labor, Licensing and Consumer Affairs, pursuant to Suffolk County Code § 563-79(II) (K)



## REGISTRATION AND O&M

- Property owners shall register their I/A OWTS
  - Upon approval / installation
  - Within 60 days of property transfer
  - Every 36 months
- O&M contract must be in place for registration to be valid
- O&M Providers must be licensed
- O&M Providers must notify SCDHS if a contract is canceled or not renewed
- O&M must occur at a minimum of once per year



# **Article 6 Working Group**

# Suffolk County Department of Health Services Proposed Sanitary Code Changes

Policy 1:  
“Grandfathering”  
for Commercial  
Properties

Policy 2: Permit  
Requirements for  
Retrofits &  
Replacements

Policy 3:  
Require I/A  
OWTS for  
New  
Construction

Policy 4: Require  
I/A OWTS for  
existing systems  
(e.g. failure,  
sunset etc..)

Policy 5:  
Require I/A  
OWTS upon  
Property  
Transfer

Policy 6:  
Amend Unsewered  
Density Limit to 1  
Unit / Acre for all  
Hydrogeologic Zones

## Phase - I

## Phase - II

- Approved by SC Legislature and SC BOH 2017
- Changes effective January 2018 for Grandfathering
- Changes to take effect July 2018 for reporting of pump-outs, replacements, and retrofits.
- Changes to take effect July 2019 for permits for replacements or retrofits

- Goal to Implement ASAP after SWP GEIS Findings Statement
- Dependent on Sub-watersheds Wastewater Plan Recommendations (County Wide vs Critical/Priority Areas)
- Policy 4 and 5 may be dependent on establishment of Wastewater Management District and Funding Mechanism
- Requires increase in SCDHS Staffing





# OVERVIEW OF ARTICLE 6 CHANGES

Starting July 1, 2018

- Liquid Waste haulers may report all pumping and maintenance activities to SCDHS
- Septic System installers must report all installations of new cesspools/leaching pools/overflow pools to SCDHS



**NOTE: SCDHS expects between 5,000 and 10,000 replacement/retrofit reports to be filed every year**



## STARTING JULY 1, 2019

- Permits/filing for replacements or retrofits of existing sewage disposal systems are required
- Require filing indicating system components installed when property owner decides system needs to be replaced/retrofitted
- Require installation of a system substantially conforming to standards (Best-Fit)
  - Current standards require a septic tank + leaching structure at a minimum



JULY 1, 2019

**CERTIFICATION OF SEWAGE DISPOSAL SYSTEM BY INSTALLER**

This certification shall not be used in lieu of inspections required by personnel of the Department and may be duplicated on company letterhead, provided it contains the information below. Leave blank any items that are not applicable to the installation

Health Department Reference Number: \_\_\_\_\_  
Suffolk Tax Map #: Dist: \_\_\_\_\_ Sect(s) \_\_\_\_\_ Blk(s) \_\_\_\_\_ Lot(s) \_\_\_\_\_  
Project Name or Address: \_\_\_\_\_  
Applicant's Name: \_\_\_\_\_  
Date of System Installation: \_\_\_\_\_

***I/A OWTS TREATMENT UNIT***

Make and Model: \_\_\_\_\_  
Rated Daily Treatment Capacity (gallons): \_\_\_\_\_  
Material:  Concrete  Fiberglass/Plastic

***SEPTIC TANK***

Volume (gallons): \_\_\_\_\_  
Material:  Concrete  Fiberglass/Plastic  
Shape:  Rectangular  Cylindrical  
Top:  Slab  Traffic Slab  Dome  
Name of Tank Manufacturer: \_\_\_\_\_

***DISTRIBUTION LEACHING POOLS (If applicable)***

Number of Pools \_\_\_\_\_  
Diameter and Effective Depth \_\_\_\_\_  
Top:  Slab  Traffic Slab  Dome  
Name of Precast Manufacturer: \_\_\_\_\_

***LEACHING POOLS/GALLEYS***

Total Number of Pools/Galleys \_\_\_\_\_  
Diameter/Dimensions and Effective Depth \_\_\_\_\_  
Top:  Slab  Traffic Slab  Dome  
 N/A  
Name of Precast Manufacturer: \_\_\_\_\_

***OTHER LEACHING STRUCTURES***

Make and Model (if applicable): \_\_\_\_\_  
Total Linear Feet of Leaching Structure(s): \_\_\_\_\_

***COVERS AND LIDS***

Installed covers comply with current standards (secondary safety device installed if cover weight less than 60lbs.)  
 Yes  N/A

I hereby certify that the subsurface sewage disposal system, described herein, has been installed by me in accordance with the approved plans and standards of the Suffolk County Department of Health Services; and any and all mechanical/electrical components have been tested and are operational.

Installer's Signature: \_\_\_\_\_ Date \_\_\_\_\_  
Installer's Name: \_\_\_\_\_  
Company Name: \_\_\_\_\_ Phone \_\_\_\_\_  
Company Address: \_\_\_\_\_  
Consumer Affairs Liquid Waste License Number and endorsement(s): \_\_\_\_\_

**THIS DOCUMENT MUST CONTAIN AN ORIGINAL SIGNATURE FROM THE INSTALLER**

- It will be Mandatory to upload to SHIP:
- Certification form
  - Sketch showing the measurements from building corners to the access covers/ports of disposal system



# PROCESS FOR IMPLEMENTATION OF JULY 1, 2018 CHANGES

## ➤ *Steps Moving Forward:*

### ● *Pump-Out Reporting*

- ✓ The reporting of pump-outs requirement will be postponed to address redundant reporting requirements
    - Scavenger Plant (Bergen Pt, Riverhead, Huntington, and Private Plants)
    - NYS DEC
  - ✓ SCDHS and SCDOIT to work with LW work group and scavenger plants
    - Create a common report meeting all plant & SCDHS requirements
    - Address implications to scavenger plant resources
    - Goal for requiring pump-out reporting by the end of 2018
- LW Holders encouraged to enter pump-outs info into SHIP voluntarily during this time





# PROCESS FOR IMPLEMENTATION OF JULY 1, 2018 CHANGES

## ➤ *Steps Moving Forward:*

### ● **Replacement/Retrofit Reporting**

- ✓ LW License Holders required to begin entering information for replacement retrofits
- ✓ 4<sup>th</sup> Quarter 2018 SCDHS will send letters reminding LW industry to enter retrofits/replacement
- ✓ Beginning January 1, 2019 SCDHS will begin enforcement actions against anyone not reporting



# ARTICLE 6 CHANGES AND DATABASE UPDATE

## Welcome to the Suffolk County Septic Hauler Information Portal (SHIP)

In December of 2017, the Suffolk County Legislature and Suffolk County Board of Health amended Article 6 of the Suffolk County Sanitary Code to require all Liquid Waste License Holders to report pump-outs, replacements, and retrofits of existing sewage disposal systems to the Suffolk County Department of Health Services beginning July 1, 2018, through this information portal.


All Liquid Waste Professionals are urged to attend informational and instructional sessions, scheduled for March 28, April 4th, June 12, and June 14, held by the Suffolk County Department of Health Services to discuss the amendments to Article 6 of the Suffolk County Sanitary Code and the SHIP system functions.

Final login instructions will be sent to all Liquid Waste License holders in early June of 2018.

[Click Here To Login](#)



# LOGIN PAGE

  
**Welcome!**  
Please enter your credentials below.  
  
  
[Login](#)  
[Forgot Password?](#)

## Welcome to the Suffolk

In December of 2017, the Suffolk County Legislature require all Liquid Waste License Holders to report Department of Health Services.

All Liquid Waste Professionals are urged to attend in by the Suffolk County Department of Health Services to discuss the amendments to Article 6 of the Suffolk County Sanitary Code and the SHIP system functions.

## Information Portal (SHIP)

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held for March 28, April 4th, June 12, and June 14, held

Final login instructions will be sent to all Liquid Waste License holders in early June of 2018.

[Click Here To Login](#)



# COMPANY PROFILE PAGE

Select Business:

ACME PUMP INC

## Add Truck:

Lic. Plate #:

Truck Waste Type:

Select Waste Type

Truck Cap. (gal):

Add

## Existing Trucks:

Truck License	Waste Type	Load Capacity (Gal)	
ACME1	Cesspool / Septic	5500	<a href="#">Edit</a> <a href="#">Delete</a>
TESTTRUCK1	Cesspool / Septic	5000	<a href="#">Edit</a> <a href="#">Delete</a>
TESTTRUC3	Cesspool / Septic	3500	<a href="#">Edit</a> <a href="#">Delete</a>
TESTTRUCK1	Cesspool / Septic	5000	<a href="#">Edit</a> <a href="#">Delete</a>

Save





# MAIN PAGE

## Main Page

Please click the button below to begin a new report. Any open reports that have not yet been finalized/submitted will be shown below.

Click to ADD a new report



### Old Reports Warning!

You currently have open reports that are over two weeks old.

Okay

Show 10 entries

Excel Copy

Search:

Select

Company

Type

Work

Date Report Created

Select

ACME PUMP INC

RES

5/14/2018 2:49:51 PM

Showing 1 to 1 of 1 entries

Previous

1

Next



# MAIN PAGE

## Main Page

Please click the button below to begin a new report. Any open reports that have not yet been finalized/submitted will be shown below.

Click to ADD a new report

Open Reports > 2 Weeks

All Open Reports

Submitted Reports

All Reports

Show 50 entries

Excel

Copy

Print

Column visibility

Search:

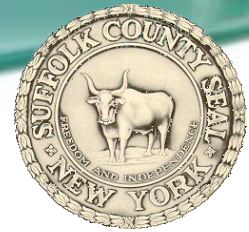
Select	Company	Type	Name	Location	Job Type	Date of Work	Date Report Created
Select	ACME PUMP INC	RESIDENTIAL	N/A	N/A	PUMPOUT	05/15/2018	5/14/2018 2:49:51 PM

Showing 1 to 1 of 1 entries

Previous

1

Next



# NEW REPORT

### Select Property Type:

Address Search:

Please Enter/Select Address Then Verify

Parcel ID  
0209026000700009000  
Suffolk NY Geocoder  
0209026000700009000

Reclaim Our Water: R...

1 of 1

esri

### Select Report Type:

<input checked="" type="button" value="Pumpout"/>	<input type="button" value="Retrofit"/>	<input type="button" value="Pumpout / Retrofit"/>
---	---	---

Date Of Work:

Truck License:

Homeowner's Email:

<input type="button" value="Backyard - Left"/>	<input type="button" value="Backyard - Center"/>	<input type="button" value="Backyard - Right"/>
<input type="button" value="Sidyard - Left"/>	<input checked="" type="button" value="House"/>	<input type="button" value="Sidyard - Right"/>
<input type="button" value="Frontyard - Left"/>	<input type="button" value="Frontyard - Center"/>	<input type="button" value="Frontyard - Right"/>

Structure Pumped Out:

Disposal Facility:

# Of Gallons Pumped:

Date Of Disposal:

Disposal Facility 2 (if appl.):

Date Of Disposal 2:

Details of Work Done:



# REVIEW REPORT

## Report Information Review:

Please review the information you provided below to ensure that everything is correct. If you need to change any information please click the "EDIT/GO BACK" button at the bottom of the page, otherwise please click the "FINISH AND SUBMIT" button to complete your application.

Report Type: **PUMPOUT**

Structure Pumped: **Cesspool**

Gallons Pumped: **20**

Disposal Facility: **Clear Flo Technologies, Inc.**

Date Worked: **3/26/2018 12:00:00 AM**

Gallons Disposed **20**

Location Address: **1 APPLE CT**

Location Hamlet: **MOUNT SINAI**

Location State: **NY**

Location Zip: **11766**

Location Phone Number: **631-555-1212**

Location Email: **happyhome@gmail.com**

Edit/Go Back

Log Out

Finish and Submit

Print this page



# POLICIES & ENFORCEMENT

- Users have 10 business days from date of service to file report in database.
  - System will automatically remind you of old reports that need to be filed
- First 6-months the goal is to get users using system, reminders will be sent but enforcement will not start until January 2019.
  - Coordinated enforcement by SCDHS and Consumer Affairs
  - 1 – Notice of Non-Compliance
  - 2 – Non-Compliance Reminder Notice
  - 3 – Fines will be considered
- Significant and Repeat violations may incur Sanitary Code Fines.



# **Subwatersheds Wastewater Plan**



# SUBWATERSHEDS WASTEWATER PLAN

- **Science Based Bridge to Transition from Septic Demo and SIP to wide-scale implementation**
- **Provide blueprint for wastewater upgrades:** Set priority areas and describe where, when, and what methods to implement to mitigate nitrogen from wastewater sources (I/A OWTS, sewerage, clustered, other)
- **Completed using the first consistent, unified evaluation of our three major estuary system watersheds since the 1970s LI 208 Study:** 189 Subwatershed boundaries, nitrogen loads, impacts, and load reduction goals.
  - FIRST EVER to be completed with an integrated and predictive groundwater model
- **Cost-Benefit to Support Policy and Funding Decisions:** evaluate trigger points and related cost/staff impacts for requiring I/A OWTS (e.g., sensitive areas, new construction, on property transfer, system failure, etc.); Countywide water quality district.
- **Generic Environmental Impact Statement:** SEQRA – review environmental impacts for SWP recommendations



# THE PROCESS...DRIVING DECISIONS WITH SCIENCE

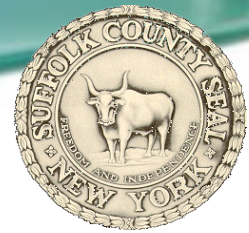
- Establish uniform and consistent set of subwatershed boundaries for all priority areas (surface water, drinking water, groundwater)
- Develop nitrogen load rates
- Develop receiving water residence times (surface water sensitivity)
- Establish baseline water quality
- Establishment of tiered priority areas
- Define endpoints (e.g., water clarity, dissolved oxygen, HABs, SAV, etc.)
- Establish first order nitrogen load reduction goals for all of the County's surface water, drinking water, and groundwater resources
- Recommendations for wastewater upgrades for each priority tier
- Evaluate annual costs for various implementation options to support funding and policy decisions





# **Suffolk County Septic Improvement Program (SIP)**

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# SUFFOLK COUNTY'S SEPTIC IMPROVEMENT PROGRAM

## APPROVED LOCAL LAW

Intro. Res. No. -2017

Laid on Table 3/28/2017

Introduced by Presiding Officer on request of the County Executive

**RESOLUTION NO. -2017, ADOPTING LOCAL LAW  
NO. -2017, A LOCAL LAW TO ESTABLISH A GRANT  
ASSISTANCE PROGRAM FOR THE INSTALLATION OF  
INNOVATIVE AND ALTERNATIVE ONSITE WASTEWATER  
TREATMENT SYSTEMS**

**WHEREAS**, there was duly presented and introduced to this County Legislature at a meeting held on , 2017, a proposed local law entitled, "A LOCAL LAW TO ESTABLISH A GRANT ASSISTANCE PROGRAM FOR THE INSTALLATION OF INNOVATIVE AND ALTERNATIVE ONSITE WASTEWATER TREATMENT SYSTEMS"; now, therefore be it

**RESOLVED**, that said local law be enacted in form as follows:

**LOCAL LAW NO. -2017, SUFFOLK COUNTY, NEW YORK**

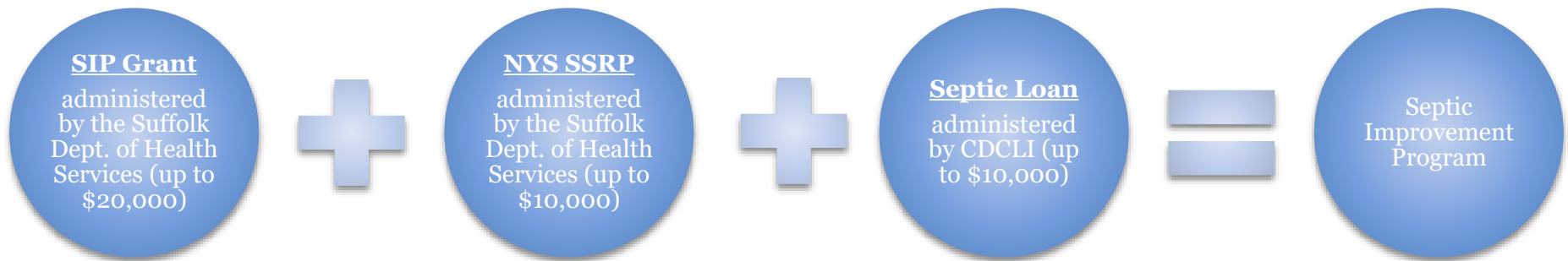
**A LOCAL LAW TO ESTABLISH A GRANT ASSISTANCE PROGRAM FOR  
THE INSTALLATION OF INNOVATIVE AND ALTERNATIVE ONSITE  
WASTEWATER TREATMENT SYSTEMS**



**May 31, 2017  
Suffolk County Executive  
Steve Bellone signs  
SIP into Law**



# SEPTIC IMPROVEMENT PROGRAM (SIP)

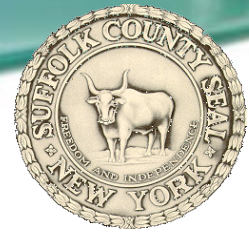


## GRANT PROGRAM DETAILS:

- Individual homeowners may be eligible for a Suffolk County base grant up to \$10,000 and an additional.
  - \$5,000 may be available for installation of a Pressurized Shallow Drainfield (PSD)
  - \$5,000 may be available for Low to Moderate income property owners.
- **Homeowner will be responsible for engineering and design services.**

## LOAN PROGRAM DETAILS:

- Administered by CDCLI Funding Corporation
- Individual homeowners may be eligible for low cost financing up to \$10,000
- Competitive 3% interest rate
- Repayment term of up to 15 years



# STATE SEPTIC SYSTEM REPLACEMENT FUND

- \$75 Million over five years / \$15 million per year
- Suffolk County receives **\$10,025,000 or 67%** of entire first year allocation
  - Program Eligibility
    - ✓ Must be located in a Priority Area
    - ✓ Must be failure, likely to fail, or determined by County Health Official that suspected to be major source of pollutants based on environmental factors.
    - ✓ Only single family homes, 2 family homes, and small businesses are eligible.
    - ✓ Projects cannot exceed 1,000 gpd
    - ✓ Seasonal / secondary homes at discretion of County Health Department
  - Ineligible Costs
    - ✓ Routine Maintenance
    - ✓ Sales tax
    - ✓ Fines, penalties, permit fees, and late fees
    - ✓ Non-essential site beautification
    - ✓ Administrative work completed by engineer
    - ✓ Construction oversight by engineer if engineer is also conduction septic repair or replacement



**[www.ReclaimOurWater.info](http://www.ReclaimOurWater.info)**

**Questions?**

**Justin Jobin, Environmental Projects Coordinator**

**[Justin.Jobin@suffolkcountyny.gov](mailto:Justin.Jobin@suffolkcountyny.gov)**

**631-852-5811**