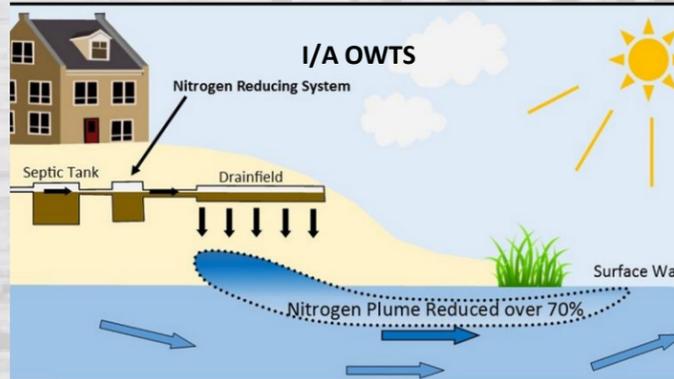
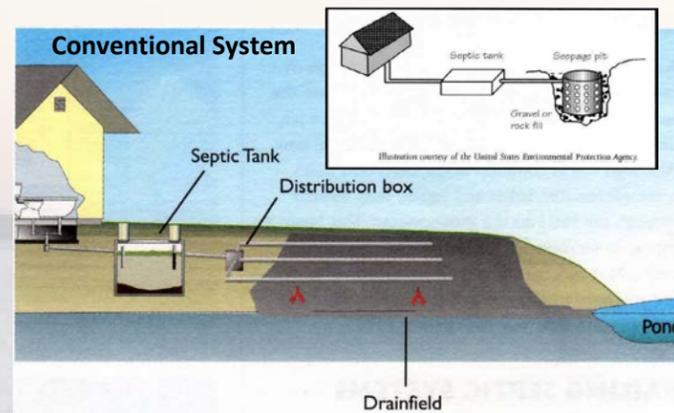
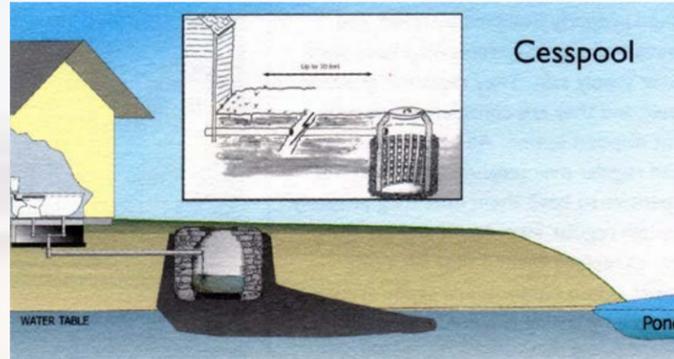


Overview of 2017 Article 6 Amendments Regarding The Elimination of In-kind Cesspool Replacement



Cesspools – 250,000 in Suffolk County

- ✓ Cesspools are little more than holes in the ground that discharge raw, untreated human waste and can contaminate surface and groundwater sources and contributes to harmful algal blooms.
- ✓ Untreated wastewater from cesspools contains pathogens such as bacteria, protozoa and viruses that can cause gastroenteritis, Hepatitis A, conjunctivitis, leptospirosis, salmonellosis and cholera.
- ✓ EPA banned large capacity cesspools and strongly discourages use of small cesspools.
- ✓ Outlawed in Suffolk County for New Construction Since 1973.
- ✓ Homeowners can currently replace failed cesspools in-kind.
- ✓ Cesspool installations range from \$2,000 - \$4,000
- ✓ **This change DOES NOT MANDATE UPGRADE UPON FAILURE**
- ✓ **If a property owner is replacing a failed cesspool, they must install a minimum code compliant system (Septic Tank Required)**

Conventional Septic Systems – 110,000 in Suffolk County

- ✓ Conventional systems consist of a septic tank before leaching pool or field. Tanks collect solids, reduce BOD, TSS, other contaminants and protect leaching structure from excessive solids and clogging.
- ✓ Conventional system installations typically range from \$6,000 - \$8,000
- ✓ **THIS IS THE MINIMUM CODE COMPLIANT SYSTEM**

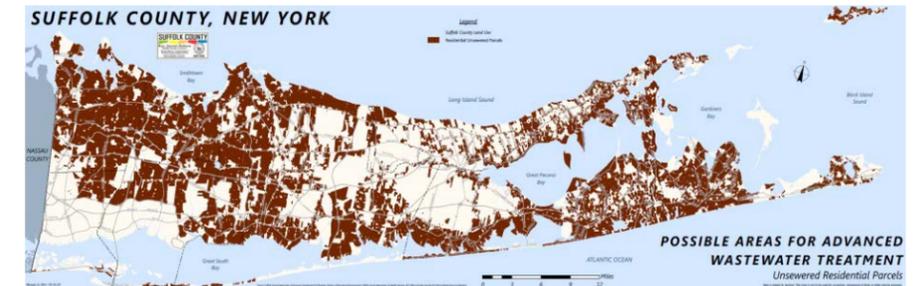
I/A OWTS ~300 Approved in Suffolk County

- ✓ Advanced treatment systems that reduce BOD, TSS and remove up to 70% of Total nitrogen.
- ✓ Allowed on Voluntary basis in SC since 2016
- ✓ I/A OWTS designs & installations have an average cost of \$19,500
- ✓ **THESE CHANGES DO NOT REQUIRE I/A OWTS**

Sewers

- ✓ 90% removal of Total nitrogen.
- ✓ Sewering costs estimated between \$50,000 - \$80,000 per household according to SCDPW (as high as \$120,000 in Nassau County)

Overview of Residential Wastewater Treatment In Suffolk County, NY



- Approx. 25% of Suffolk County is Sewered
- Approx. 75 % of Suffolk County is Unsewered
- Approx. 360,000 residences on onsite systems
- Approx. 250,000 cesspools

Summary 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

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

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