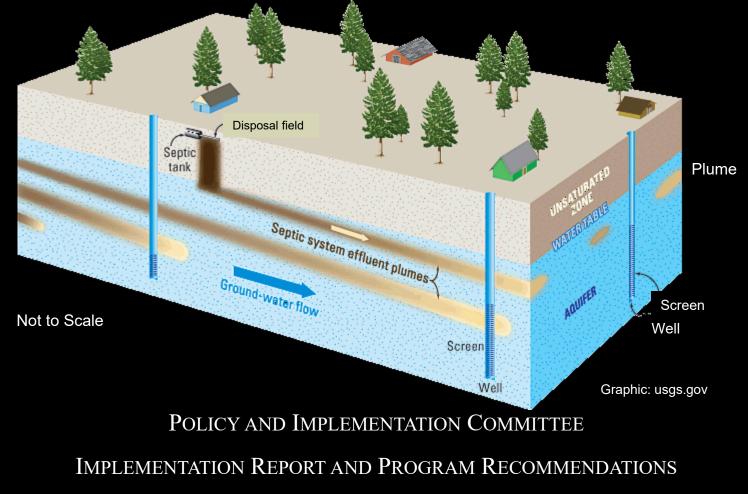
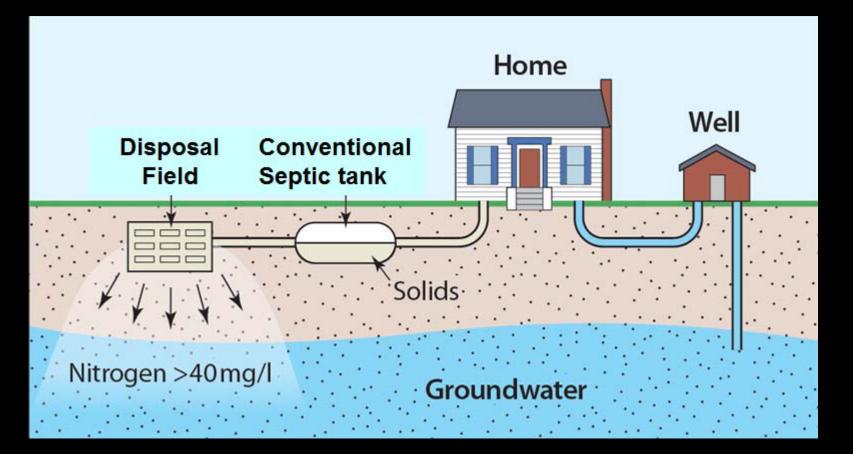
NJ PINELANDS COMMISSION ALTERNATE DESIGN WASTEWATER TREATMENT SYSTEMS PILOT PROGRAM

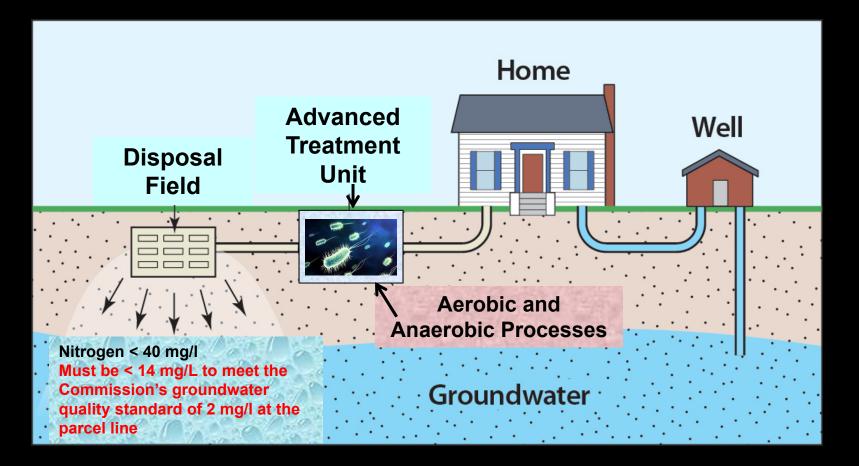


JANUARY 24, 2020

All septic systems contribute nitrogen to groundwater



Modified from: http://www.stonybrook.edu/newsroom/general/2016_21_06 _CleanWaterTechonology.php Pinelands alternate design treatment systems significantly reduce nitrogen discharges to groundwater



Modified from: http://www.stonybrook.edu/newsroom/general/2016_21_0 6_CleanWaterTechonology.php

First Round Pilot Program Technologies

Amphidrome

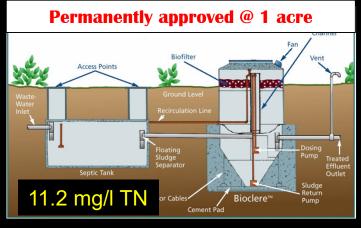
Permanently approved @ 1 acre



Cromaglass



Bioclere



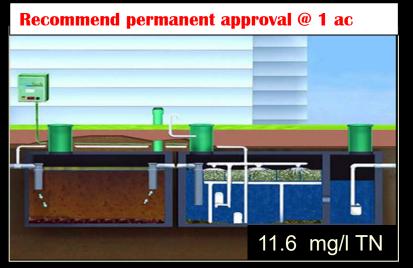
FAST

Permanently approved @ 1.4 acres

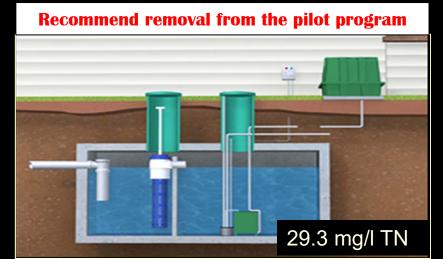
Second Round Pilot Program Technologies

SeptiTech

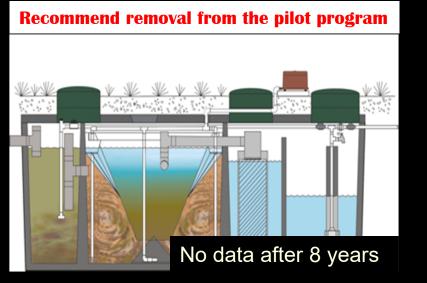
Bio Barrier

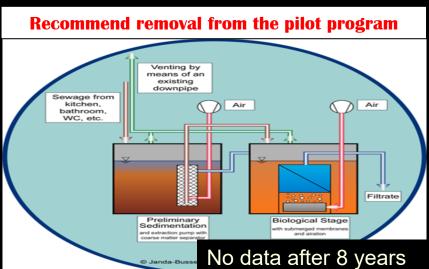


Hoot ANR



Busse GT





Pilot Program Implementation Report Recommendations

- Recommend continuation of the pilot program
 - To identify advanced treatment technologies capable of meeting Pinelands water quality standards for authorized development.
- Recommend adoption of a CMP amendment
 - To permanently approve the SeptiTech technology for residential development on minimum one-acre parcels.

Pilot Program Implementation Report Recommendations

- Recommend removal of the BioBarrier technology
 Inability to meet Pinelands water quality standards.
- Recommend removal of the Busse GT and Hoot ANR technologies
 - No Busse or Hoot systems installed since receiving Commission approval in October 2011.

Pilot Program Implementation Report Recommendations

Introduce up to six new NSF Standard 245 / US EPA ETV certified technologies

✤ CMP permits up to six piloted technologies at one time.

- Amend the CMP
 - Eliminate annual reporting on the pilot program
 - Next report on any new pilot program technologies due in 2025, with a possible extension to 2027 if necessary.
 - Consider additional measures to streamline the program