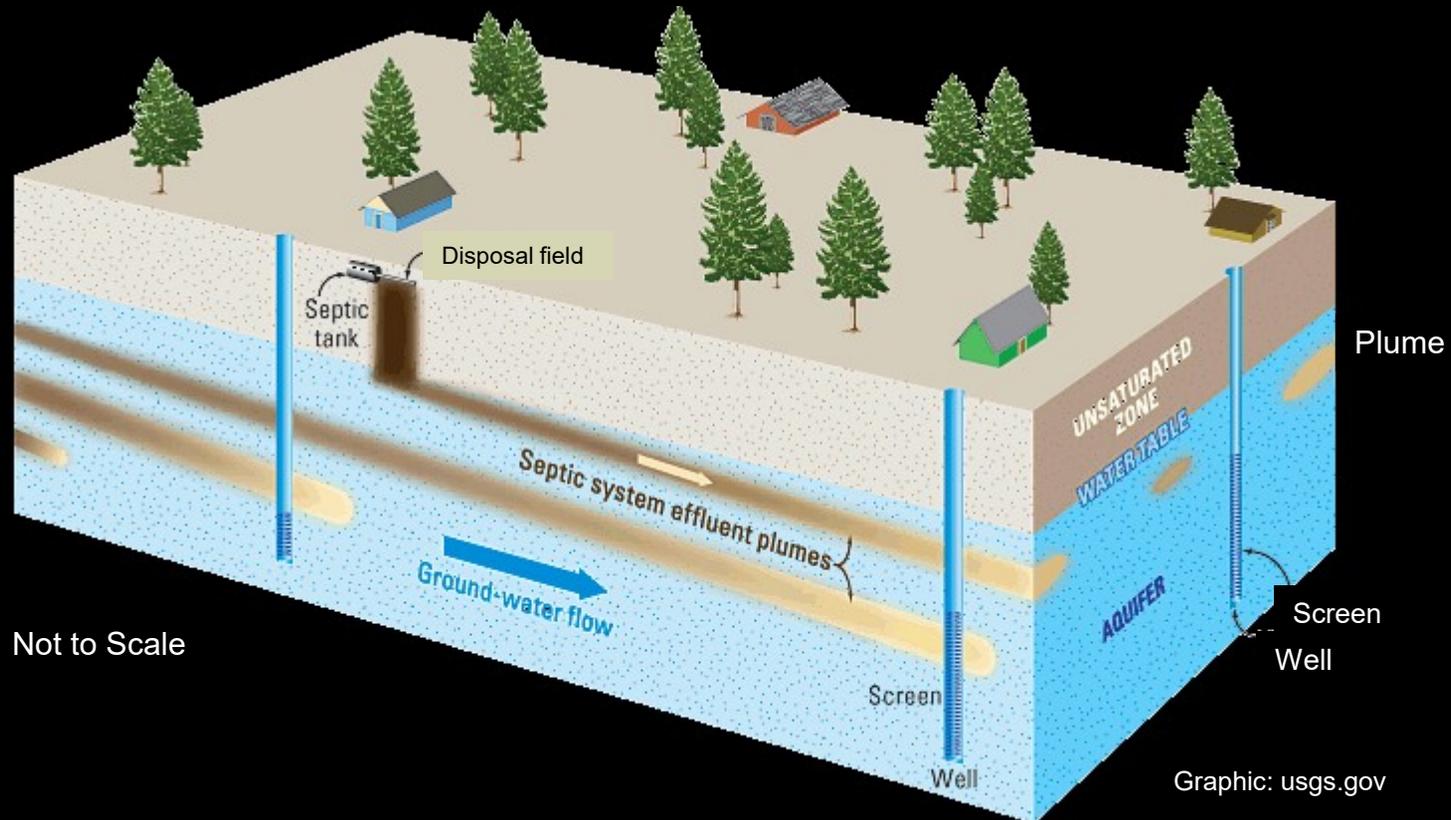


NJ PINELANDS COMMISSION

ALTERNATE DESIGN WASTEWATER TREATMENT SYSTEMS

PILOT PROGRAM

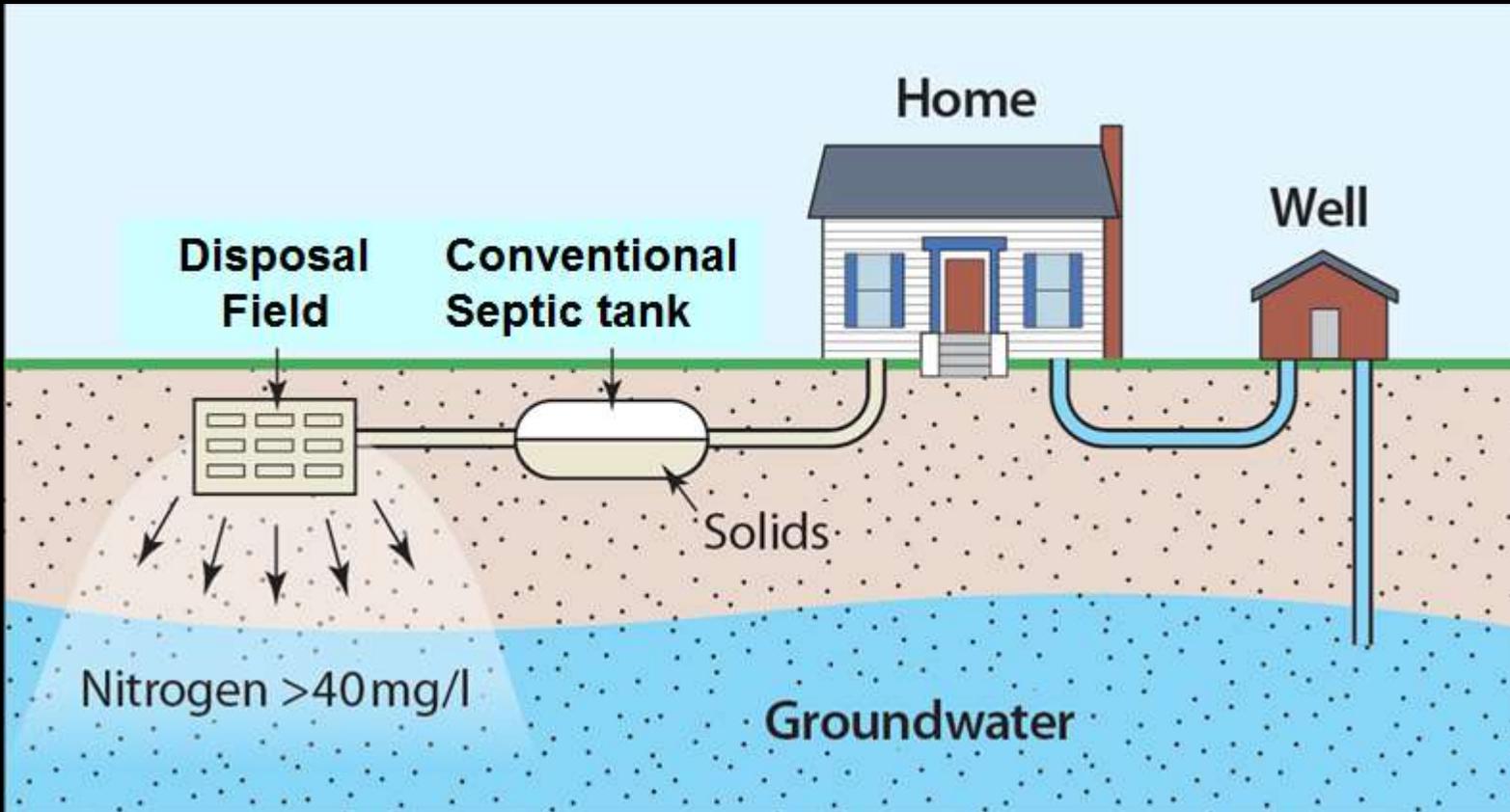


POLICY AND IMPLEMENTATION COMMITTEE

IMPLEMENTATION REPORT AND PROGRAM RECOMMENDATIONS

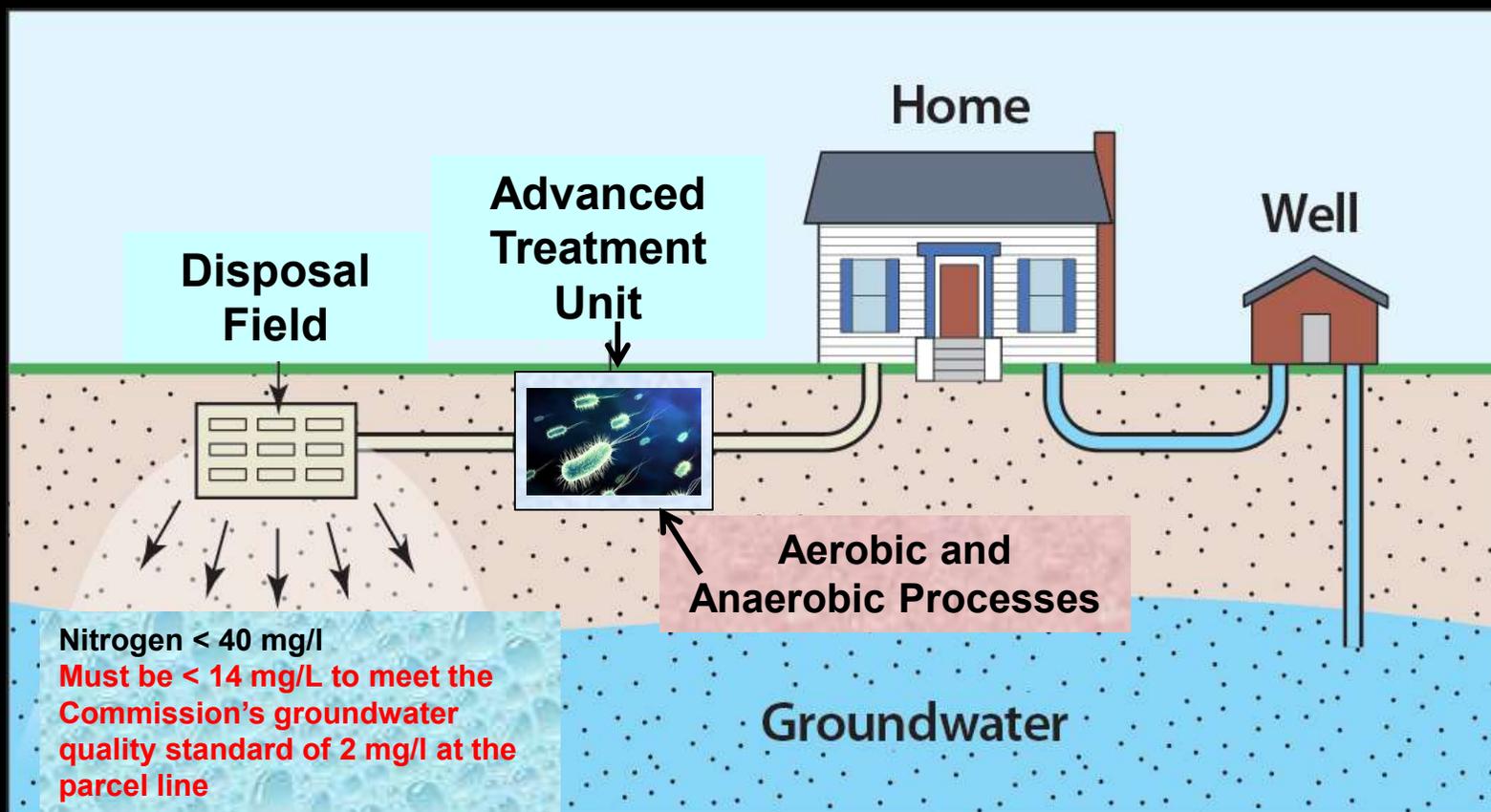
JANUARY 24, 2020

All septic systems contribute nitrogen to groundwater



Modified from:
http://www.stonybrook.edu/newsroom/general/2016_21_06_CleanWaterTechnology.php

Pinelands alternate design treatment systems significantly reduce nitrogen discharges to groundwater

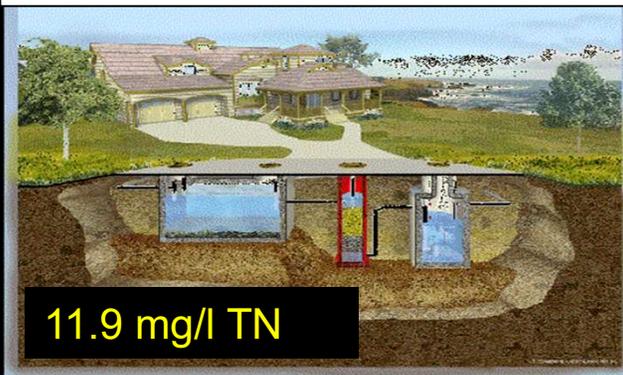


Modified from:
http://www.stonybrook.edu/newsroom/general/2016_21_06_CleanWaterTechonology.php

First Round Pilot Program Technologies

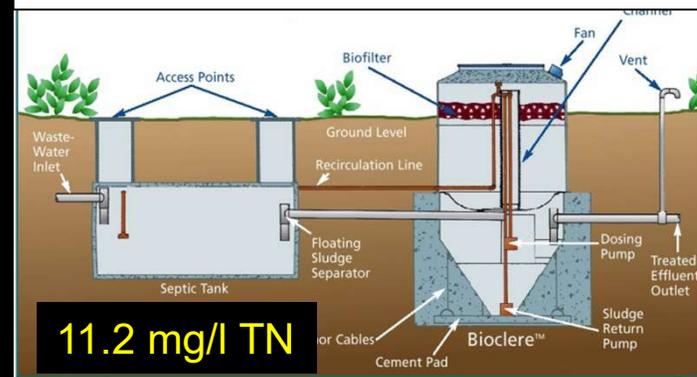
Amphidrome

Permanently approved @ 1 acre



Bioclere

Permanently approved @ 1 acre



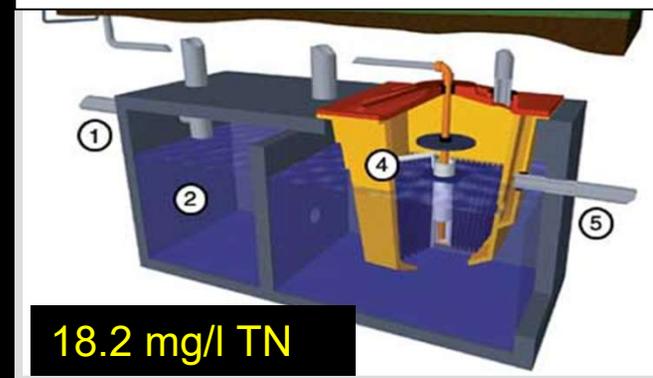
Cromaglass

Eliminated from the Pilot Program



FAST

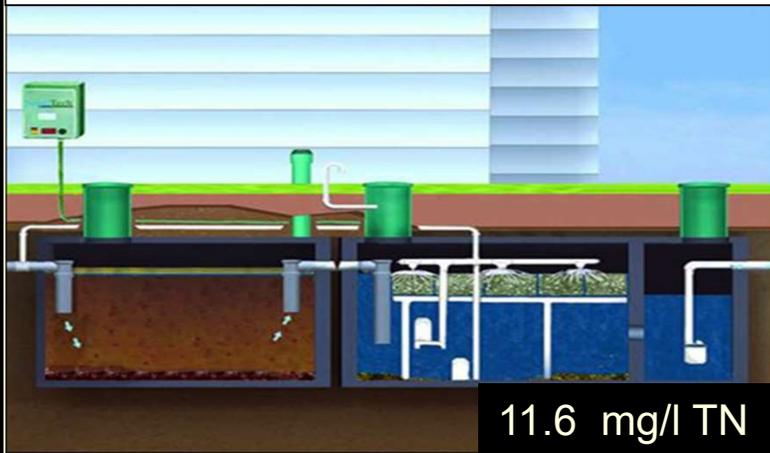
Permanently approved @ 1.4 acres



Second Round Pilot Program Technologies

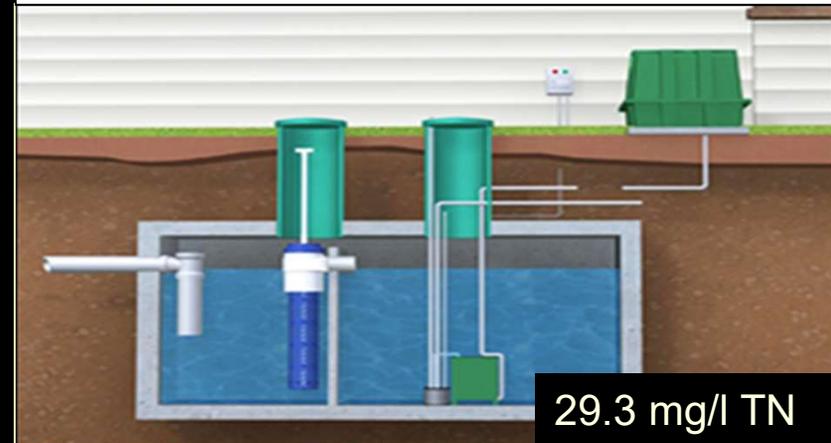
SeptiTech

Recommend permanent approval @ 1 ac



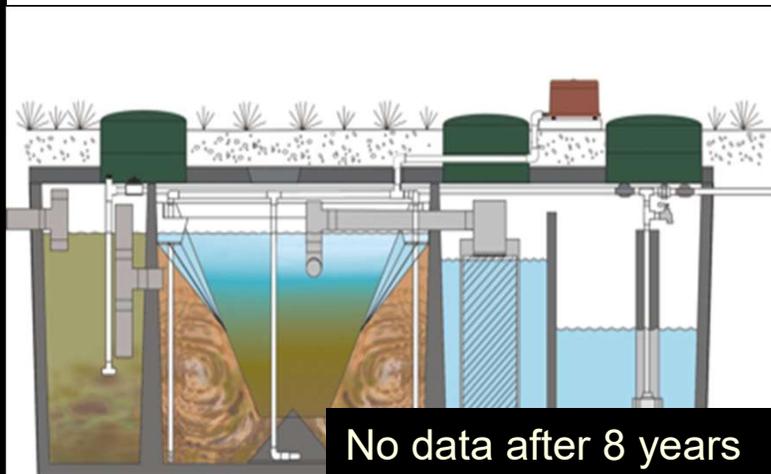
Bio Barrier

Recommend removal from the pilot program



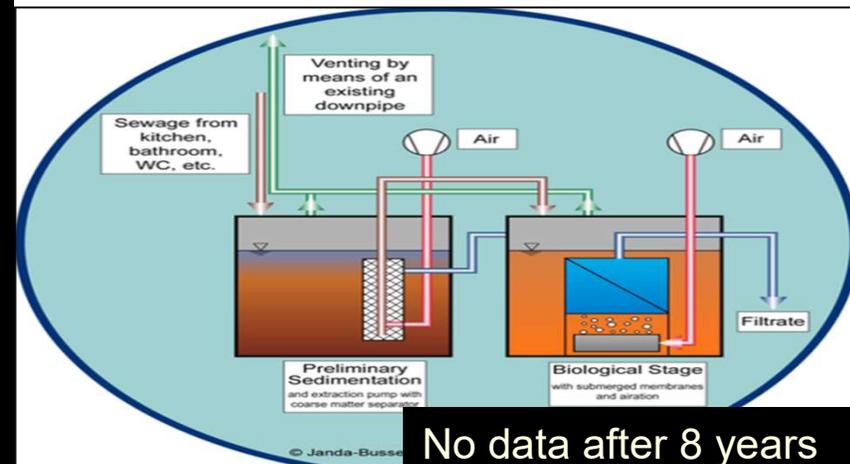
Hoot ANR

Recommend removal from the pilot program



Busse GT

Recommend removal from the pilot program



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