



PRESBY ENVIRONMENTAL, INC.

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www.PresbyEnvironmental.com



SPD & CDT Models Certified to
NSF/ANSI Standard 40 Class I*
*See AES NSF-40 Fact Sheet

TECHNICAL BULLETIN

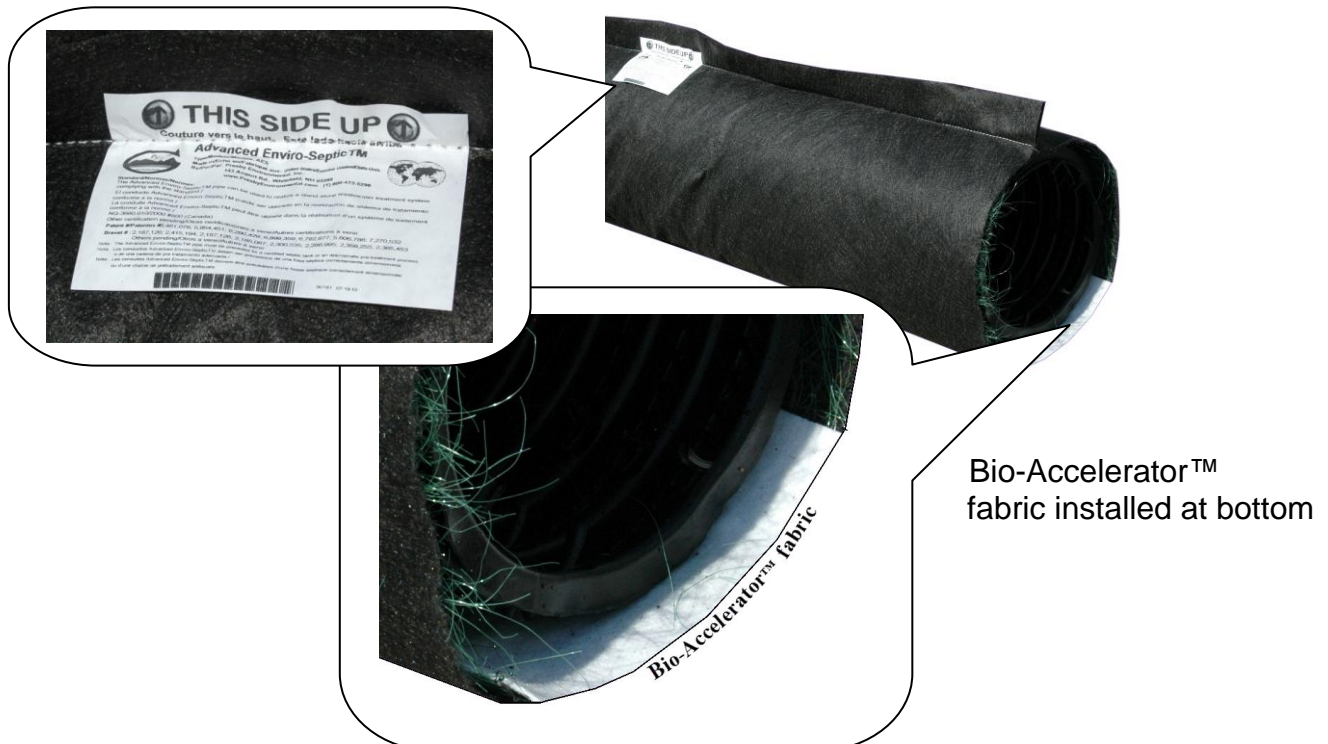
Introduction of Advanced Enviro-Septic™ in New Hampshire

Advanced Enviro-Septic™ has been approved for use in New Hampshire: Presby Environmental, Inc. continually seeks to offer the latest and most effective technological advances to its customers. We are proud to announce a new Innovative Technology Approval (ITA) (Approval #2010-07-01, Issued July 30, 2010) for the Advanced Enviro-Septic™ Treatment System ("AES") in New Hampshire. The approval allows for a reduced offset of 24 in. from the bottom of the pipe to the seasonal high water table (SHWT) for most systems, making AES the only combined treatment and dispersal system that can be installed this close to the SHWT in New Hampshire. Advanced Enviro-Septic™ is the next generation of our effective and reliable Enviro-Septic® technology which has been widely used with excellent results throughout New Hampshire. Please note that the NH Department of Environmental Services (NH DES) has authorized the substitution of AES into already approved Enviro-Septic® System plans in order to take advantage of the reduced separation distance. (See details of approval below; the full text approval is available on our website, www.PresbyEnvironmental.com.)

The Advanced Enviro-Septic™ has received Class I Certification under NSF International/ANSI's Standard 40 for Wastewater Treatment Devices: AES is the first NSF-40 Certified System that is passive/non-mechanical; requires no electricity, special maintenance or replacement media; and provides treatment and dispersal in the same footprint (refer to the "AES NSF-40 Fact Sheet" on our website for additional information). The AES product is approved for use in both residential and commercial installations in New Hampshire per the approved New Hampshire Design and Installation Manual (also available from our website). The simplicity of the AES System makes it much more cost-effective to purchase and maintain than the complicated and expensive mechanical devices that usually obtain NSF-40 Certification. AES is also certified as a Secondary and Advanced Secondary Treatment System by the Bureau de Normalisation du Quebec (BNQ).

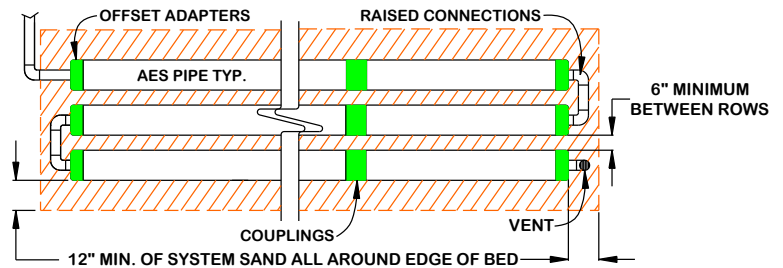
Design and Installation of AES Systems in New Hampshire: The Design and Installation criteria for AES are nearly identical to those for Enviro-Septic® except for the following:

1. Ensure that pipes are positioned so that the white Bio-Accelerator™ is centered along the bottom of the pipe. The sewn seam has an attached label indicating "THIS SIDE UP" as shown in the photographs below:



Design and Installation of AES Systems in New Hampshire, continued:

2. Venting is mandatory for all AES Systems.
3. Offset between the bottom of the AES pipe and the SHWT is 24 in. (minimum) when the following conditions are met:
 - a. Daily Design Flow is 600 GPD or less; and,
 - b. Soils with 51-60 mpi perc. rates require a minimum row length of 65 ft.
4. A minimum of 12 in. of System Sand is required around the entire edge (perimeter) of the bed (see illustration to the right).



It is acceptable to substitute Advanced Enviro-Septic™ for Enviro-Septic® provided all of the conditions (1 – 4) above are met and amendments are submitted to NH DES prior to a request for inspection.

Designers and Installers newly licensed (after July 2010) must become PEI Certified to use AES. Certification training is now available via the convenience of prerecorded online webinars (or by DVD upon request).

Product Enhancement: AES provides superior treatment and dispersal processes as a result of the addition of Bio-Accelerator™. This proprietary enhancement filters additional solids from effluent, enhances and accelerates treatment, facilitates quick start-up after periods of non-use, provides additional surface area for bacterial growth, promotes even distribution, and further protects outer layers and the receiving surfaces so they remain permeable. Accelerated bacterial treatment processes make AES an excellent choice for properties that receive intermittent or seasonal use. By protecting the receiving surfaces better, treatment, function and longevity are all improved.

Advanced Enviro-Septic™'s Track Record: While new to the US market, Advanced Enviro-Septic™ has a track-record of reliable performance for several years throughout Canada, where it has achieved BNQ certification for both Secondary and Advanced Secondary treatment (see BNQ Certificate Number 890, www.bnq.qc.ca). AES improves upon and incorporates all the features of original Enviro-Septic®. AES provides accelerated and enhanced environmental protection comparable to expensive mechanical devices, while still being one of the most affordable alternatives for onsite wastewater treatment. By offering exceptional performance that is relatively inexpensive to purchase and simple to maintain, AES offers consumers an environmentally responsible alternative that is also cost-effective. We encourage you to visit our website to learn more about the many advantages offered by Advanced Enviro-Septic™.

Results of Latest Performance Testing by BNQ 04/06/08 to 10/04/08				
Parameter Measured (Averages)	EPA Tertiary Treatment Guidelines	NSF-40 Class I (EPA Secondary)	BNQ Advanced Secondary	Advanced Enviro-Septic™ Test Results
CBOD5 (mg/L)	10	< 25	< 15	<2
TSS (mg/L)	10	< 30	< 15	<2
Fecal Coliforms (CFU/100 mL)	1,000	n/a	50,000	218

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Dated: July 30, 2010

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