

**PRESBY ENVIRONMENTAL, INC.**  
800-473-5298      www.PresbyEnvironmental.com



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

## TECHNICAL BULLETIN

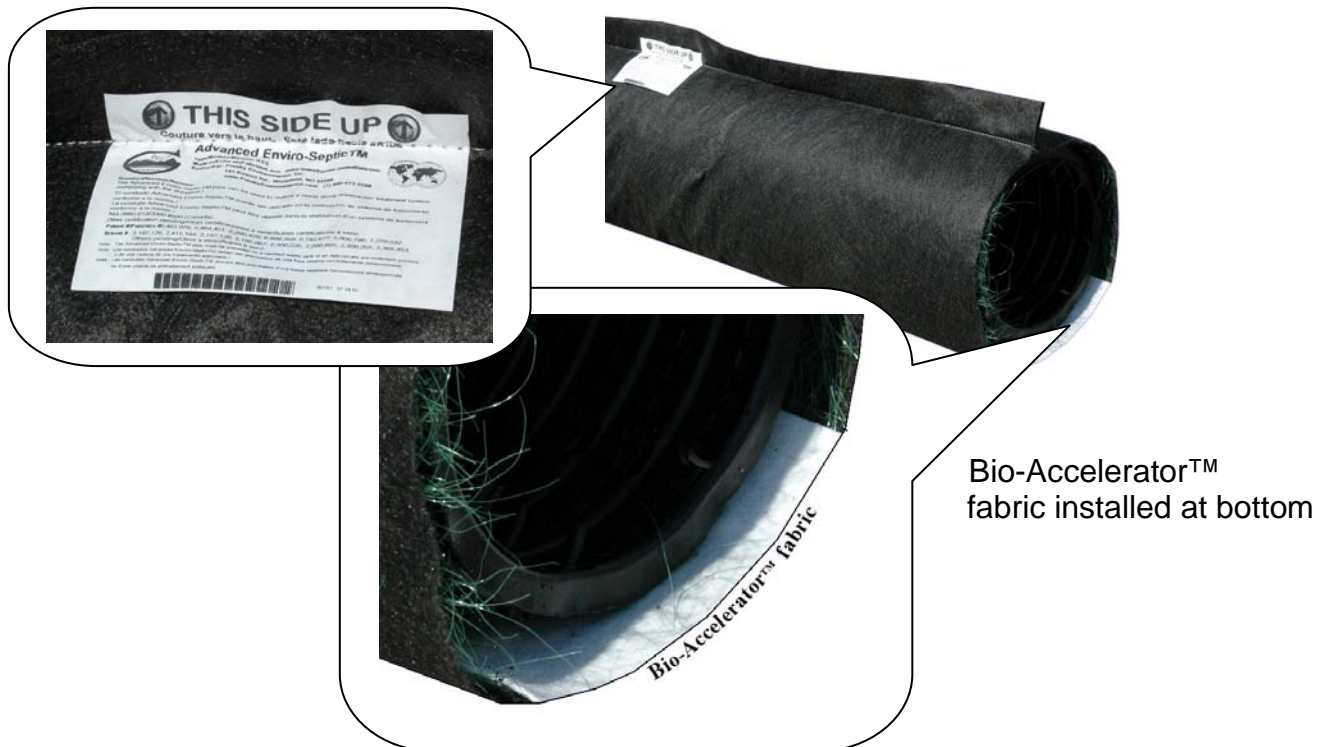
### Introduction of Advanced Enviro-Septic™ in Maine

**Advanced Enviro-Septic™ has been approved for use in Maine:** Presby Environmental, Inc. (PEI) continually seeks to offer the latest and most effective technological advances to its customers. We are proud to announce the availability of the Advanced Enviro-Septic™ Treatment System ("AES") in Maine. Advanced Enviro-Septic™ is the next generation of our effective and reliable Enviro-Septic® technology which has been widely used with excellent results throughout Maine. (See details of approval below; the full text approval is available on our website, [www.PresbyEnvironmental.com](http://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 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. For more information about NSF International and their certification programs, visit [www.nsf.org](http://www.nsf.org). The AES product is approved for use in both residential and commercial installations in Maine per the approved Maine Design and Installation Manual (also available from our website).

**Design and Installation of AES Systems in Maine:** The Design and Installation criteria for non-Certified AES systems are nearly identical to those for Enviro-Septic® except for the following:

1. Venting is mandatory for all AES Systems; and,
2. 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 Maine, continued:

The State of Maine has approved AES under the same terms and conditions and using the same manual as is currently being used for Enviro-Septic®. (Please refer to full text approval available on our website, [www.PresbyEnvironmental.com](http://www.PresbyEnvironmental.com).) For non-NSF certified Systems, the Enviro-Septic® Design and Installation Manual and Maine State Attachment provide requirements for design, installation and use. It is acceptable to substitute AES into a plan for an Enviro-Septic® System; however, if the designer's plan specifies AES, Enviro-Septic® cannot be substituted for AES. We will continue to offer original Enviro-Septic® to accommodate customers who have already submitted plans for or contracted for an Enviro-Septic® System; over a period of time, we expect to transition to supplying AES only. Industry Professionals who are certified to design/install Enviro-Septic® in Maine will not be required to re-certify in order to use AES; however, certification will be required for those who have not previously completed Enviro-Septic® training. We encourage you to visit our website to learn more about the many advantages offered by Advanced Enviro-Septic™. Certification training is now available via the convenience of online webinars or by DVD upon request.

### **Advanced Enviro-Septic™ can be used in both non-NSF Certified Systems and in NSF-40 Certified Systems:**

Non-NSF Certified AES Systems provide exceptional treatment combined with effective dispersal; require no electricity, alarms, sampling devices or special maintenance; and provide a multitude of design options. Given the virtually unlimited range of possible shapes/sizes/configurations, it was simply impractical to subject every one to testing, since NSF's rules require that the "certified system" must be the same as what was tested. NSF-40 Certified Systems can only be installed by Authorized Representatives of PEI per the NSF Installation Manual dated October 2009. Please call customer service at 800-473-5298 for more information about NSF-40 Certified System options. All NSF-40 Certified AES Systems will bear the NSF Mark (a circle bearing the letters "NSF") while non-Certified systems will not.

**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](http://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™.

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

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