



Presby Environmental

The Next Generation of Wastewater Treatment Technology

Summer 2010 Newsletter

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Advanced Enviro-Septic™ is the First Product of its Kind to Receive NSF-40 Certification Leads to new approvals in New Hampshire, Maine and Ohio, with more to come....

Presby Environmental's flagship product, the Advanced Enviro-Septic™ ("AES") Treatment System, has received Certification under NSF International/ANSI's Standard 40 for Wastewater Treatment Devices. Advanced Enviro-Septic™ CTD ("combined treatment and dispersal") is the first NSF-40 Class I certified system that is passive, provides combined treatment and dispersal, and never requires replacement media. The simplicity of the AES System makes it much more cost-effective to purchase and maintain than the complicated, expensive mechanical devices and advanced treatment units (ATUs) that usually obtain this Certification.

About NSF International...



NSF International (also known as "The Public Health and Safety Company™") is an independent, not-for-profit organization recognized throughout the world as a leader in standards development and product certification. Their mission is to protect and improve human health on a global scale by certifying food, water and consumer products. To learn more about NSF standards and their certification programs, visit www.nsf.org.

NSF Standard 40 sets performance standards for onsite wastewater treatment devices for residential systems with hydraulic capacities from 400 to 1500 gallons per day. In order to receive Standard 40 Class I certification, systems are tested for a minimum of six months following NSF's protocol and must achieve exceptional effluent quality. AES was tested at the Bureau de Normalisation du Quebec ("BNQ") and received simultaneous NSF and BNQ certification (see related article, below). AES is used in NSF-40 Certified systems and in non-certified systems pursuant to individual state approvals. AES has recently been approved for use in New Hampshire, Maine and Ohio (see page 2). New approvals are pending in several other states, please call us or check our website for approval updates.



NH Governor John Lynch and Justin Oslowski of the US Dept. of Commerce were among the dignitaries who were present to congratulate Dave Presby on achieving NSF Certification. (Photo Courtesy of Edith Tucker/Coos County Democrat.)

Effluent Quality Standards & AES Results (BNQ 4/06/08 to 10/04/08)

Parameter Measured	NSF - 40 Class I	BNQ Adv. Secondary	AES Results
CBOD5 (mg/L)	<25	<15	<2
TSS (mg/L)	<30	<15	<2

"The certification that you received from NSF recently is a testament to your company's commitment to product quality and performance. Compliance with the NSF standards and policies places you among a select number of companies that seek national and international recognition and acceptance through credible, third-party certification."
--Thomas Bruursema, General Manager, NSF International

Advanced Enviro-Septic™ Receives BNQ Advanced Secondary Certification in Canada



As described in the article above, AES was tested in Quebec simultaneously under NSF and BNQ protocols. While NSF requires a six-month period of testing, the BNQ requires a full year of testing in order to confirm the system's functionality during all four seasons. As a result of the latest round of BNQ testing, AES achieved BNQ's Advanced Secondary Certification. For more information about the BNQ and its certification programs, visit www.bnq.qc.ca. See page 2 for a list of all the international locations in which AES is in use.

(Photo to left, BNQ/NSF test site in Canada, courtesy of DBO Expert, Inc.)



www.PresbyEnvironmental.com

Important Announcements and Breaking News!

Closer to the Water Table in New Hampshire! New AES Innovative Technology approval allows for reduced separation distance of 24 inches (from the pipe) to the seasonal high water table (systems up to 600 gallons per day). See full approval on our website.

More Options in Maine! Maine designers now have the option to use AES or Enviro-Septic® ("ES") configurations when designing a system.

Is AES Approved in my State? We anticipate receiving AES approvals in Indiana, Vermont and Massachusetts in the near future. Other states are in the works, check our website for up-to-date approval information.

Statewide Approval in Ohio! The Ohio Department of Health has approved the AES Treatment System on a state-wide basis with a one-foot soil depth credit for fecal coliform reduction. Select Ohio counties are also continuing to participate in an Experimental Concurrence Program with alternate bed sizing. Visit our website to read the full article about our product and the Experimental Concurrence Program published in the Ohio Journal of Environmental Health (excerpt below):

"The observations outlined here appear to indicate that the Enviro-Septic sewage treatment systems currently operating in Van Wert County [Ohio] are working well. This is evidenced in large part by an overall lack of serious hydraulic loading concerns....testing results suggest that effluent is very clean by the time it reaches the soil...."
—Jason Menchhofer, RS, in the Ohio Journal of Environmental Health



What's Different About Advanced Enviro-Septic?

Advanced Enviro-Septic™ is the "next generation" of our Enviro-Septic® technology. 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. (Product inventor, David Presby, shown at left with AES in the background. Photo courtesy of Stephen Hochbrunn of NEIWPC.)

Where are Presby Environmental (PEI) Products in Use?



United States

Indiana
Maine
Maryland
Massachusetts
New Hampshire
New York
Ohio
Vermont
Virginia
Washington

Canadian Provinces

Alberta
British Columbia
Manitoba
New Brunswick
Ontario
Quebec
Saskatchewan

International

Belgium
France
Mexico



David Presby met with US Embassy officials in Singapore during a recent trip to explore international opportunities.



PEI's Ongoing Commitment to Community Service Initiatives...

School Recycling Program - PEI has donated containers to the local school district to support their efforts to begin recycling plastic bottles. Congratulations to the Whitefield Elementary School, which was recognized as "2010 Rookie Recycler of the Year" by The School Recycling CLUB, Northeast Resource Recovery Association (NRRRA) and New Hampshire the Beautiful.

Northern New England Small Business Alliance (NNEBSA) - PEI is proud to be the founding member of NNEBSA, a rapidly-growing alliance of small businesses dedicated to creating a stronger business community and regional economic growth. Visit www.nnesba.com to learn more or to become a member.

Earth Day 2010 - PEI Personnel spent their afternoon picking up litter along three miles of roadways in the vicinity of our plant, collecting 40 bags of trash (pictured left).



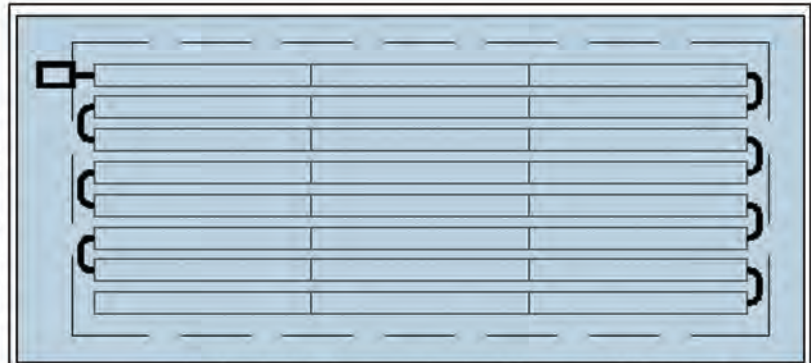
PEI Training and Certification Now Available Online and by DVD....

Training is required in most states and always highly recommended for anyone who is designing, installing, inspecting or servicing an Advanced Enviro-Septic™ or Enviro-Septic® System. These programs give you the benefit of our Technical Team's years of experience in the field and ensure understanding of core concepts related to the design, construction and maintenance of AES and ES Systems. We know your time is valuable, and gas is expensive, so we have transitioned from "live" classes to online training, allowing you to complete the program whenever and wherever it is convenient for you. (If you don't have computer access, training programs can be sent to you by mail in DVD format upon request.) Hundreds of industry professionals have completed online certification already. Visit our website to view any of our training presentations; several of our programs offer professional CEU's (see details below, this page). Certification requires registration; for more information, contact our Training and Certification Coordinator, Connie Johnson, at (800) 473-5298 or connie.johnson@presbyeco.com.

DESIGNERS, THIS IS OUR GIFT TO YOU !

NEW AutoCAD LISP Routine Design Software...

An automated software program designed to produce AES or ES beds in plan view using ACAD LISP Routines. Simply enter in a few details about your design and the program draws the number of rows at the specified length and spacing, significantly reducing drafting time. Visit our website to give it a try; a short tutorial is available to guide you through using the software.



This is an example of a bed design created using PEI's new ACAD LISP Routines. Complimentary software is now available from our website.

New Website...

In the fall of 2009, PEI launched its improved and updated website, www.PresbyEnvironmental.com. The website was built to meet the needs of a wide variety of users, including homeowners, regulators, designers, installers, inspectors and service providers. The site is organized to get you to the information you're looking for quickly and easily. There are more tools and downloads available to make your job easier: NEW ACAD LISP Routines, ACAD block library, state Design and Installation manuals, our NEW Owner's Manual, information about online training and certification programs, FAQs, tutorials and Technical Bulletins on a variety of topics, and more!

"I'd like to thank you for all your help. It's not often these days that I put down the phone and say to myself, I sincerely felt this person wanted to help me with my mission. You did, and I appreciate your kindness....I look forward to installing your product...."

--David Chevrette, recently Certified Vermont Designer/Installer, commenting on his experience with PEI's online Certification process



Under the skilled direction of our Technical Advisor/Corporate Trainer, Dennis Fogg (shown above), we're putting technology to use in every way possible to make the knowledge you need and the tools you want easily accessible.

Continuing Education Credits Available for PEI Training:

- NH DES:** 3 CEU's for Certification Training
- GSDI:** 4 CEU's for Certification Training
- NEIWPC:** 2 TCH's for Certification Training
- Maine Subsurface:** PDH's for Onsite Certification Training

Check our website periodically, more to come soon....

The Maine Association of Site Evaluators (MASE) and the Maine Rural Water Association (MRWA) are revitalizing their education program by building a new wastewater training center in Richmond, ME. PEI has donated their AES proprietary system for installation at the training center. Training workshops are scheduled for October 13, 14, 19 & 20, 2010. For more information, contact Gary Fullerton at 207-856-0277 x-256.