



**Presby Environmental**

The Next Generation of Wastewater Treatment Technology



✓ *Minimizes the Expense* ✓ *Protects the Environment* ✓ *Preserves the Site*

# Advanced Enviro-Septic™ (AES) Wastewater Treatment System

**Presby Environmental proudly announces...**

COMBINED TREATMENT  
AND DISPERSAL



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***The onsite wastewater treatment system  
that is sweeping the industry!***



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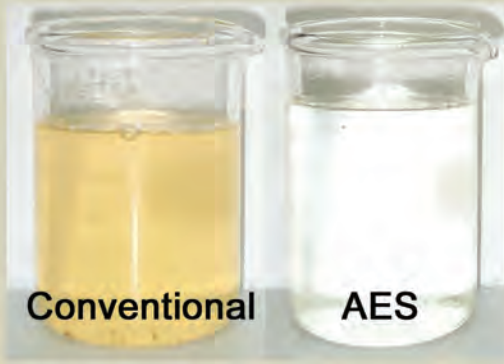
SPD & CTD Models  
Certified to NSF/ANSI  
Standard 40, Class I

Item 71610

[www.PresbyEnvironmental.com](http://www.PresbyEnvironmental.com)

# ADVANCED ENVIRO-SEPTIC™ TREATMENT SYSTEM

## Why choose Advanced Enviro-Septic™ (AES)?



### Third Party Testing

BNQ Testing Parameters	Advanced Enviro-Septic™ Test Results*
CBOD (mg/L)	<2
TSS (mg/L)	<2
Fecal Coliforms (CFU/100 mL)	218

### Industry Standards

EPA Tertiary	NSF-40 Class I	BNQ Advanced Secondary
10	<25	<15
10	<30	<15
1000	n/a	50,000

\* (N/Ref: 30825-049-A) BNQ Test Center, Quebec

## The Environmental Advantage

- Removes up to 99% of wastewater contaminants
- Treats and disperses in the same small footprint
- Proven and reliable track record
- Treatment process requires no energy
- Made with significant amounts of recycled plastic
- Protects soil and groundwater from contamination

## The Cost Advantage



- Smaller installations require smaller crews and less fill material
- Installs quickly and easily
- Lightweight components are easy to handle and transport
- Considerably more cost-effective than mechanical and conventional systems
- Never needs replacement media or special maintenance
- Requires no expensive mechanical devices, computer controls or maintenance contracts
- Durable, non-biodegradable components last indefinitely

## The Design Advantage

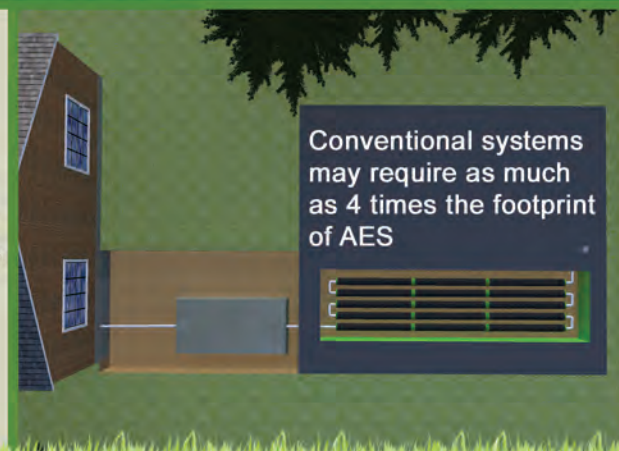
- Available in NSF and non-NSF Certified designs
- Flexible to allow virtually any shape
- Sloping and adaptable configurations
- Multi-Level™ configurations
- Proven performance
- Longevity and reliability
- Technical support
- Free online classes, manuals, templates

*“When we looked at the solution, we determined that Presby was the best alternative for us because of the high performance of the system... The design goes together fast and performs at a high capacity when you have limited space.”*

- Jay Gamble, Vice President and General Manager of the Mt. Sunapee Resort, New England Construction Magazine, April 27, 2009



A powerful eco-system of aerobic and anaerobic bacteria digests up to **99%** of wastewater contaminants, recycling clean water into the environment



Conventional systems may require as much as 4 times the footprint of AES

# ADVANCED ENVIRO-SEPTIC™ TREATMENT SYSTEM

## Ridges

- ▶ Increase surface area
- ▶ Improve cooling
- ▶ Provide more bacterial growth areas

## Skimmers at Each Perforation

- ▶ Prevent grease and suspended solids from leaving the pipe
- ▶ Protect green fibers and geo-textiles from clogging



## Black Geotextile

- ▶ Surrounds the pipe and fibers
- ▶ Provides protected bacterial treatment surface

## Green Plastic Fiber Mat

- ▶ Filters more suspended solids
- ▶ Protects outer geotextile bacterial treatment surface
- ▶ Creates a massive bacterial treatment area

## Bio-Accelerator™ Fabric

- ▶ Quickly develops treatment biomat
- ▶ Screens more solids from the wastewater
- ▶ Ensures distribution of wastewater along the entire length of the pipes
- ▶ Provides additional treatment surface
- ▶ Enhances and accelerates treatment
- ▶ Facilitates quick start-up
- ▶ Further protects outer layers and the receiving surfaces

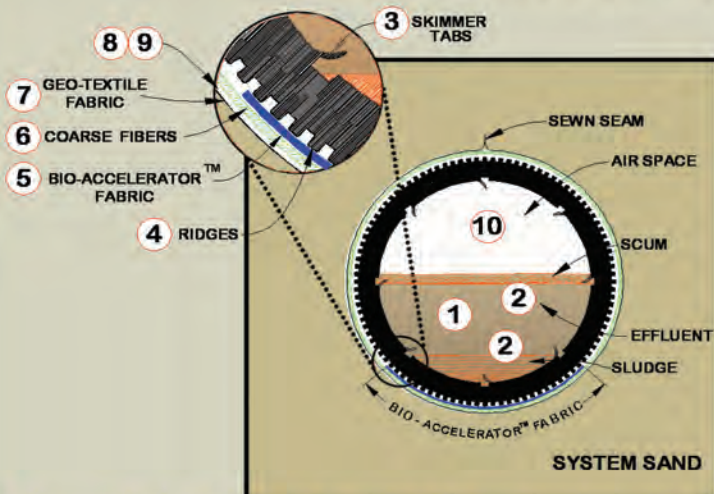


The Public Health and Safety Company™

SPD & CTD Models  
Certified to NSF/ANSI  
Standard 40, Class I



## ADVANCED ENVIRO-SEPTIC™ WASTEWATER TREATMENT SYSTEM



- STAGE 1: WARM EFFLUENT ENTERS THE PIPE AND IS COOLED TO GROUND TEMPERATURE.
- STAGE 2: SUSPENDED SOLIDS SEPARATE FROM THE COOLED LIQUID EFFLUENT.
- STAGE 3: SKIMMERS FURTHER CAPTURE GREASE AND SUSPENDED SOLIDS FROM THE EXITING EFFLUENT.
- STAGE 4: PIPE RIDGES ALLOW THE EFFLUENT TO FLOW UNINTERRUPTED AROUND THE CIRCUMFERENCE OF THE PIPE AND AID IN COOLING.
- STAGE 5: BIO-ACCELERATOR™ GEO-TEXTILE FABRIC FILTERS ADDITIONAL SOLIDS FROM THE 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.
- STAGE 6: A MAT OF COARSE RANDOM FIBERS SEPARATES MORE SUSPENDED SOLIDS FROM THE EFFLUENT.
- STAGE 7: EFFLUENT PASSES INTO THE GEO-TEXTILE FABRIC AND GROWS A PROTECTED BACTERIAL SURFACE.
- STAGE 8: SAND WICKS LIQUID FROM THE GEO-TEXTILE FABRIC AND ENABLES AIR TO TRANSFER TO THE BACTERIAL SURFACE.
- STAGE 9: THE FABRIC AND FIBERS PROVIDE A LARGE BACTERIAL SURFACE TO BREAK DOWN SOLIDS.
- STAGE 10: AN AMPLE AIR SUPPLY AND FLUCTUATING LIQUID LEVELS INCREASE BACTERIAL EFFICIENCY.

# Presby Environmental

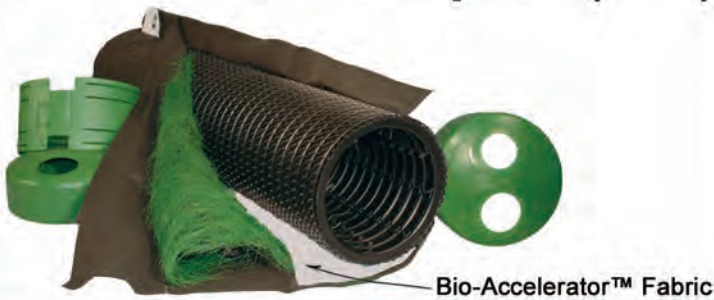
*...changing the way the world approaches wastewater treatment.*

Presby Environmental, Inc. (PEI), founded in 1995 by inventor and entrepreneur David Presby, is an innovative environmental organization that engineers new technology to change the way the world approaches wastewater treatment. Today, PEI is on the cutting edge of wastewater treatment technology to help protect and preserve our most precious natural resources.

Through extensive field testing and R&D, PEI has developed the world's most practical and effective wastewater treatment system, the Advanced Enviro-Septic™ Wastewater Treatment System (AES). AES combines superior treatment and dispersal in the same footprint, offering design, installation and cost advantages no other system can. This System is so effective, it is the only one of its kind to meet the stringent standards of NSF-40 Class I and BNQ Advanced Secondary.

Presby Environmental combines innovation, simplicity and extensive research and development into a patented line of complimentary onsite wastewater treatment technologies, designed and manufactured at PEI's state-of-the-art facility. Mr. Presby continues to lead the industry by striving to improve the techniques and technology used in the field, always pushing to provide the next generation of wastewater treatment technology.

## Advanced Enviro-Septic™ (AES)



## Enviro-Septic® (ES)



## Presby Maze®



## Presby De-Nyte™



## The Best Customer Service in the Industry...for us it's personal

- Design layouts
- User-friendly website
- Design, Installation & Operations Manuals
- Online training classes
- Technical support
- System Sand Supplier List

### To contact our Customer Service Team

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