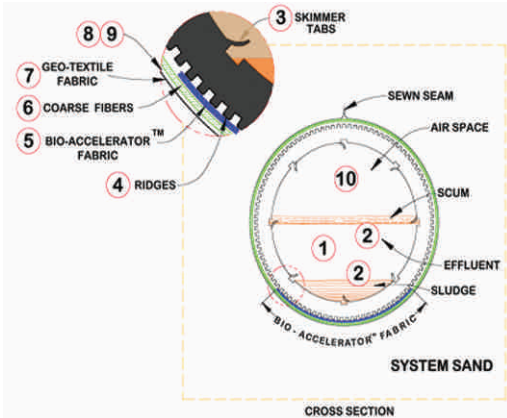


Stages Of The Effluent Treatment Process

Advanced Enviro-Septic™ treats effluent more efficiently to provide longer system life and protects the environment.

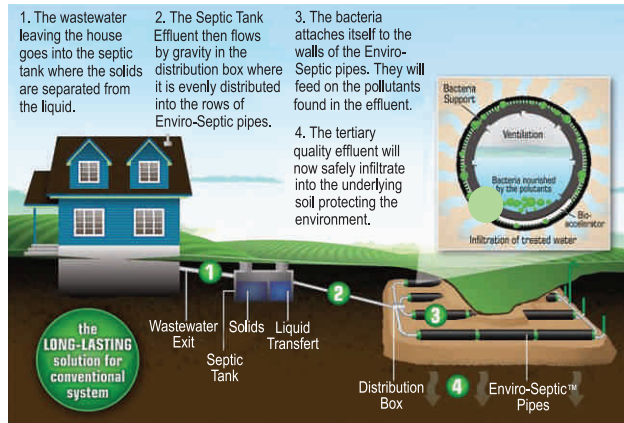


- Stage 1: Warm effluent enters the pipe and is cooled to ground temperature.
- Stage 2: Suspended solids separate from the cooled liquid effluent.
- Stage 3: Skimmers further capture the grease and suspended solids from the existing effluent.
- Stage 4: Pipe ridges allow the effluent to flow uninterrupted around the circumference of the pipe and aid in cooling.
- Stage 5: Bio-Accelerator™ fabrics screen the additional solids from the effluent and develops a Biomat which provides treatment and ensures accelerated Biomat development.
- Stage 6: A mat of coarse random fibres separates more suspended solids from the effluent.
- Stage 7: Effluent passes into the geo-textile fabrics and grows a protected bacterial surface.
- Stage 8: Sand wicks liquid from the Geo-Textile fabrics and enables air to transfer to the bacterial surface.
- Stage 9: The fabrics and fibres provide a large bacterial surface to break down solids.
- Stage 10: An ample air supply and fluctuating liquid levels increase bacterial efficiency.

Passively Exceeding Effluent Quality Standards

Testing Parameters	Advanced Enviro-Septic™ Test Results	Qld Secondary	Qld Advanced Secondary
CBOD (mg/L)	< 2	< 20	< 10
TSS (mg/L)	< 2	< 30	< 10
Fecal Coliforms (CFU/100ml)	N/A ** Subsoil Installation	N/A ** Subsoil Installation	N/A ** Subsoil Installation

A Typical Advanced Enviro-Septic-System™ Installation at a Residential Property



CALL US NOW!

Chankar Environmental
 Unit 6/62 Rene St, Noosaville QLD 4566
info@enviro-septic.com.au



**“Always
The First
Option”**

- ✓ NO Power Requirements
- ✓ NO Chemicals
- ✓ NO Membranes
- ✓ NO Quarterly Servicing or Maintenance
- ✓ NO Failing Pumps, Control Boards, Aerators
- ✓ NO Home Owner Intervention Needed
- ✓ NO Grease Trap Required
- ✓ NO Annual Out Of Pocket Expenses

Chankar Environmental announces the Advanced Enviro-Septic Wastewater System that's sweeping the Industry.

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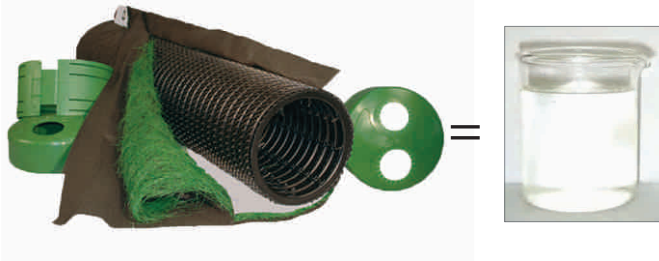
www.enviro-septic.com.au
07 5474 4055

“Always The First Option” unless soil and site conditions rule it out

Give the AES team a call. It could save you \$1000's on installation and \$1000's every year on service and operation costs!

What is Advanced Enviro-Septic™ ?

Advanced Enviro-Septic™ (AES) is an innovative onsite Wastewater System, that is passive, non-mechanical and does not use pressure distribution. The primary component is a large diameter perforated pipe installed in a bed of System Sand.



AES purifies wastewater within the system pipes and disperses the treated wastewater in the underlying soils. The system is adaptable to virtually any residential or commercial application.

How Does Advanced Enviro-Septic™ work?

By utilising simple yet effective natural processes, the AES System treats septic tank effluent in a manner that prevents suspended solids from sealing the underlying soil, increases system aeration, and provides a greater bacterial area (“biomat”) than conventional septic systems.

Why is Advanced Enviro-Septic™ Better?

The AES System retains suspended solids in its pipe and provides multiple bacterial surfaces to treat effluent prior to release into the soil. The rising and falling of effluent inside the pipe enhances bacterial activity. No other passive wastewater system design offers this functionality. AES can be retro-fitted to all existing Septic Systems and can be used for black and greywater or just blackwater.

System Advantages

Whether you design, install or provide service in the septic system industry, AES offers you and your customers huge advantages compared to traditional, expensive AWTs Systems:

- NO Power Requirements
- NO Chemicals
- NO Membranes
- NO Home Owner Intervention Needed
- NO Quarterly Servicing or Maintenance
- NO Failing Pumps, Control Boards, Aerators, Blowers



System Components

- Each AES pipe is 3 metres long. It has been made from high density plastic that has perforated ridges on the peak of each corrugation and skimmers protruding on the interior.
- Surrounding each pipe is a mat of coarse plastic fibres that assist in the treatment of harmful contaminants.
- Covering this mat is a special, non-woven, geo-textile plastic fabric stitched into place. Snap-lock couplings, offset adaptors, and end caps are used for assembly.

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 fibres and geo-textiles from clogging.



Black Geo-textile

- Surrounds the pipe and fibres.
- Provides protected bacterial treatment surface.

Green Plastic Fibre Mat

- Filters more suspended solids.
- Protects outer geo-textile.
- Creates a massive bacterial treatment area.

Bio-Accelerator™ Fabric

- Quickly develops treatment biomat.
- Screens more solids from wastewater.
- Ensures distribution of wastewater along the entire length of the pipes.