

Membrane BioReactor (MBR) Systems

In December 2012, Pure Aqua successfully supplied six Toray Membrane BioReactor (MBR) Systems to a major company in Indonesia. Each system was designed to produce 5,000 GPD. From its initial start-up, the systems has been operating accordingly with minimal trouble-shooting.

The Membrane BioReactor (MBR) is a state of the art pre-engineered sewage treatment system utilizing Pure Aqua's water treatment expertise with Toray's submerged membrane technology. The membrane separation process eliminates the conventional sedimentation tank and allows high volumetric loading, resulting in a smaller footprint. The MBR can produce high quality effluent with high BOD5 removal (about 98%), complete nitrification and partial de-nitrification and achieves virtually complete TSS removal.



System Overview

Location:	Indonesia
End-User:	A major company
Objective:	To remove BOD & TSS
Water Source:	Sewage
Capacity:	6X 5,000 GPD

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Designed and
Manufactured in
Southern California,
USA

Pure Aqua Inc. is an
ISO: 9001 certified
company with over a
decade of experience
in advanced system
design and
manufacturing.

Using the latest
technology in 3D
Computer Aided
Design (CAD) software
allows for highly
detailed and functional
design. This reduces
material cost and
environmental impact,
while maintaining
quality and reliability.

Our modular systems
are engineered for
ease of integration and
delivery to many
locations worldwide.