

Membrane Bioreactor



MBR system showing 30-foot diameter reactor with internal membranes.

Envirogen Technologies, Inc. offers a biological treatment system for aqueous wastes that produces exceptional water quality at low cost.

The Membrane Bioreactor (MBR) system is particularly well-suited to wastewater or groundwater streams with recalcitrant organics, high contaminant concentrations, highly variable influent composition and/or for sites where system footprint is a concern.

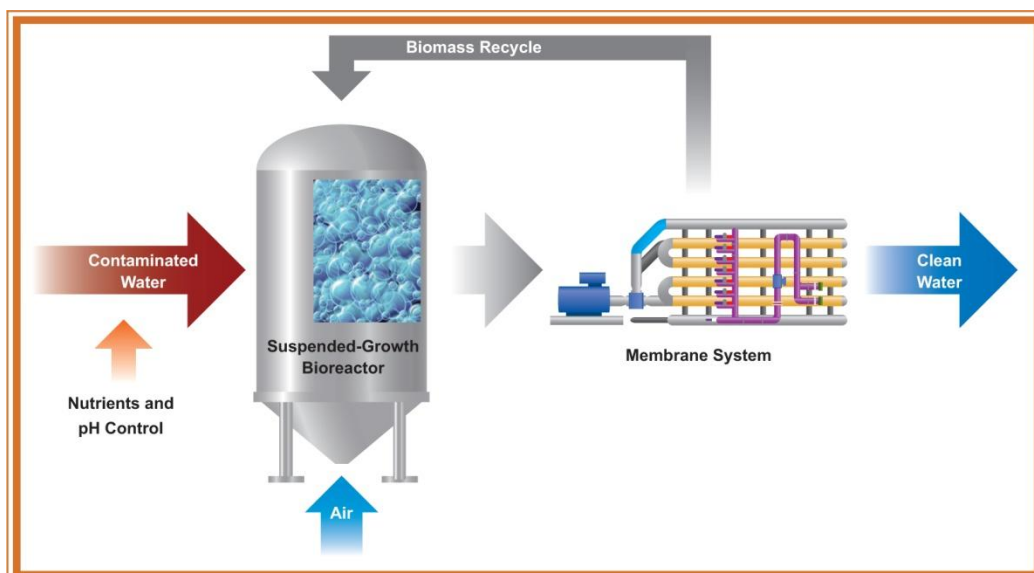
The MBR system offers an excellent solution for in-process, at-source treatment applications and can be used in very demanding applications, including streams not commonly considered amenable to biotreatment.



Bioreactor treating soft drink bottling plant wastewater

THE ENVIROGEN ADVANTAGE

- Cost effective (low capital and O&M costs)
- Minimal generation of biosludge
- High-quality effluent produced
- Small footprint
- Minimal operator labor required
- Recalcitrant contaminants degraded
- Faster system startups
- Long solids retention times



MBR System Simplified Process with External Membranes Flow Diagram