

AquaSBR® for Large Flows.

A Proven and Cost Effective Process

For the past 20 years, Aqua-Aerobic has installed more than 800 AquaSBR® systems worldwide in a variety of municipal and industrial applications at flows ranging from a few thousand gallons to millions of gallons per day.

All of the benefits that the AquaSBR® offers for small flow plants are also applicable to large flows. These benefits include components that can be retrievable and accessible, small footprint, separation of aeration and mixing for power cost savings and operational flexibility and the ability to achieve nutrient removal. Also, the AquaSBR® operates in a True Batch treatment mode, which means that only the highest quality effluent is achieved.

According to an EPA Summary Report*, SBR technology is a more economical alternative compared to conventional activated sludge and oxidation ditch systems. This conclusion was based on total installed capital cost and overall life cycle cost for flows ranging from 1 MGD to 50 MGD.

Aqua-Aerobic's experience with large flow AquaSBR® systems has earned us the reputation as the leader in SBR technology, and an expert in large flow wastewater treatment applications.

12 MGD **Millville WWTP** Panama City, FL

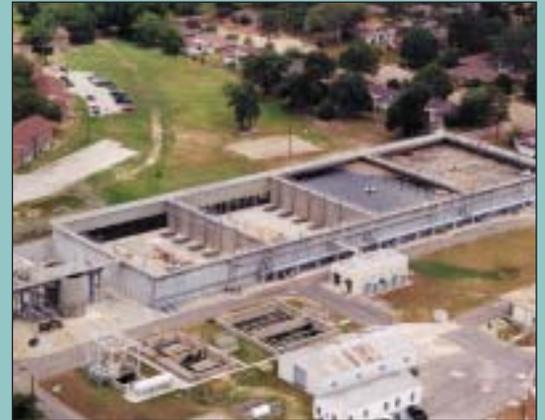


The AquaSBR® at Millville is a three-basin system designed to meet advanced wastewater treatment standards of 5, 5, 3, 1 BOD₅, TSS, nitrogen and phosphorus, respectively. The plant has been in operation since November of 2000 and has provided the Panama City area with a low cost, efficient system that consistently meets its treatment objectives.



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17 MGD **Keagan Bayou WWTP** Biloxi, MS



To accommodate increased growth, Keagan Bayou replaced an old trickling filter system with an AquaSBR®. The expansion not only tripled the plant's capacity, but because of limited space, also allowed Keagan to utilize many of the plant's existing basins for equalization and sludge thickening. The four-basin AquaSBR® services all of east Biloxi including an area of casino-hotel chains.

23 MGD **Weymouth WWTP** United Kingdom



This four-basin AquaSBR® is the result of an Urban Wastewater Treatment Directive (UWWTD) and has met the demands of Weymouth since late 2000. The AquaSBR® was chosen for its small footprint as the entire wastewater treatment system including the AquaSBR® is buried underground and located directly beneath a community football playing field.

*Summary Report: EPA/625/8-86/011