



## AquaTex™ SBR

Wastewater Resources Inc. (WRI) manufactures five advanced water purification plants for the industrial process water market: AquaTex™ COG, AquaTex™ HS, **AquaTex™ SBR**, AquaTex™ LLD and AquaTex™ CT. To service its industrial clients, WRI offers AquaTex™ SBR to clean specific industrial process water and wastewater.

**Business Case** – AquaTex™ SBR (Sequence Batch Reactor) has been successfully used to treat municipal, marine and industrial wastewaters. The Sequencing Batch Reactor (SBR) is an activated sludge process designed to operate under non-steady state conditions. It is uniquely suited for treatment applications characterized by high organics content and low or intermittent flow conditions.



**Applications** – AquaTex™ SBR is ideal for cleaning wastewaters from these industries:

- Municipal treatment plants
- Marine vessels
- Petro-chemical and refineries
- Metal finishing & plating
- Painting & finishing
- Food & beverage and
- Hazardous spills.

**Technology** – AquaTex™ SBR is a fill-and-draw activated sludge system for wastewater treatment. Wastewater is added to a single batch reactor, treated to remove undesirable content, and then discharged. Equalization, aeration, and clarification can be achieved using a single batch reactor. To optimize the performance of the system, two or more batch reactors are used in a predetermined sequence of operations. AquaTex™ SBR performs equalization, biological treatment, and secondary clarification in a single tank using a timed control sequence. It can also be designed to allow flow water to be channeled for additional advanced treatment prior to recycling or beneficial reuse.

### WRI's Industrial Products:

- AquaTex™ COG
- AquaTex™ HS
- AquaTex™ SBR
- AquaTex™ LLD
- AquaTex™ CT

*AquaTex™ SBR is designed for treating municipal, marine and industrial wastewaters.*

*AquaTex™ SBR at a U.S. Army munitions plant*

*AquaTex™ SBR performs equalization, biological treatment and secondary clarification in a single tank.*

## Benefits – Benefits derived from AquaTex™ SBR are numerous:

- Dependable advanced treatment plant
- Low operations and maintenance costs
- Flexible treatment system compared to typical sludge reduction
- Designed to operate intermittently or with low flow rates and
- Eliminates regulatory fines for disposal of untreated wastewater
- Reduces environmental degradation by untreated wastewater.



*AquaTex™ SBR can be designed with other advanced treatment technologies to clean flow water for recycling or beneficial reuse.*

*AquaTex™ SBR is a dependable and low maintenance treatment plant.*

*AquaTex™ SBR sludge unit at a U.S. Army munitions plant*

## Automated Controls – Every automated system that WRI manufactures comes

equipped with a state-of-the-art control panel with the latest Allen Bradley PLC technology that offers user-friendly color touch screen programming, computer monitoring, and full reach-back capabilities to the corporate office. Whether wastewater streams are from gas wells, manufacturing plants, or cruise ships, WRI leads the industry in system automation technologies. At its manufacturing facility in Scottsdale, the Systems Automation Group builds control panels, installs wiring and electronic components, writes custom software, and prepares operating and training manuals for its clients.



*AquaTex™ SBR is equipped with automated controls and remote monitoring technology.*



***Wastewater Resources:***  
*Keeping our waters clean.*

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