



The Wet Gazette

Volume 10, Issue 1

The Latest in Technology For The Treatment Of Water & Wastewater

In recent years we have all been hearing the buzzword **Green** in reference to homes, cars, etc. In our industry we have historically been associated with **Green Technology** in Water and Wastewater Treatment facilities. This edition is dedicated to a discussion of what we offer for **Green Machines**.

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The Green Edition

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Single Stage
Centrifugal Blowers*

*Aqua-Aerobic
SBR Technology*

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Systems ThermAer™
Process*

*Infilco Degremont
Aquaray® Ultraviolet
Disinfection Systems*

*Envirogen
Technologies*

SolarBee® Inc.

Shand & Jurs

*Gill Trading
WeirWasher®
Automated Cleaner*

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Turblex, Inc manufactures **Single Stage Centrifugal Blowers** that are the most efficient in the industry. Their design offers dual point control utilizing inlet/outlet guide vanes and an aerodynamically designed impeller to provide the proper turndown to meet specific needs and not waste a bit of energy.

Coupled with above, **Sanitaire, Inc.** has been providing **Fine Bubble Aeration Systems** designed to supply process air more efficiently and reliably than any in the market. Many plants have been upgraded and converted often resulting in a 50% reduction in energy costs! Ask us to show you proof!



Aqua-Aerobic SBR Technology offers batch treatment whereby the operator can more easily fine tune his use of power as compared to a conventional flow through type plant and be able to provide better control of the wastewater treatment process. An increasing number of facilities in Texas and Oklahoma are being faced with more stringent effluent discharge criteria with regard to Biological Nutrient Removal (BNR) and the SBR is one of the most efficient processes to accomplish these treatment objectives.

Thermal Process Systems offers the proven clean and green **ThermAer™ Process** which is an Autothermal Thermophilic Aerobic Digestion



(ATAD) biosolids reduction technology which produces a high quality pathogen free (Class A), odor free and stable end product for beneficial re-use such as fertilizer.

Infilco Degremont, Inc. supplies **Aquaray® Ultraviolet Disinfection Systems** in lieu of using gas or liquid chemicals such as chlorine and bleach minimizing the potential downstream effect on the environment.



Envirogen Technologies provides **Biofilters**



that use naturally occurring microorganisms to treat air containing reduced sulfur compounds, VOC's and other odorous substances.

The foul air flows through media in the Biofilter where the microorganisms metabolize the target contaminants to cleanse the airstream.

Something new in our line-up but with a proven track record is **SolarBee® Inc.** which manufactures mixing equipment that is **solar powered**. These devices are used in reservoirs, lakes, ponds and inside potable water storage tanks to help prevent stratification and stagnation, control blue-green algae blooms, prevent seasonal fish kills, oxygenate lake bottoms and a host of other applications. Obviously no electrical power hook up is required. How green can you get!



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*If you would like to receive the **Wet Gazette** by email send your email address to kbray@hartwellenv.com*

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Shand & Jurs, an L&J Technologies Company, manufactures Biogas Safety and Handling Equipment.



*Methane gas is produced in anaerobic digesters and then used to fuel boilers, heaters and engines for onsite power generation. **Shand & Jurs** provides the components that insure safe handling and delivery while also reducing or eliminating VOC's and odors.*

Gill Trading offers the WeirWasher® Automated Cleaning System

that takes treated effluent from the process stream and through a spray system cleans algae and other debris on clarifier weirs, troughs and baffles. Not only is this green but it also enhances operator safety by eliminating the need to manually clean these slippery areas.

