



JETOX NEWS

Aquabio uses JETOX multi-nozzle 'self aspirating' aeration technology to solve noise and space issues at wastewater treatment plant.

A Suffolk chicken processor's new wastewater treatment plant had to address noise and space issues. Two 30kW JETOX multi-nozzle jet aeration and mixing systems were used to ensure that no air blowers, acoustic enclosures or expensive air main networks were required. Also, in the absence of ancillary items normally associated with a 'conventional' aeration system the space required for the JETOX units is only a fraction of a traditional system.



JETOX Operation

The mixed liquor from the bioreactor tank is recirculated, using a dry mounted centrifugal pump, through specially designed stainless steel JETOX nozzles. The pump is installed at ground level, outside of the tank, so that it can be easily isolated for routine maintenance.



At the nozzles, air is 'entrained' through the open air main pipework and fine bubbles are created as intimate mixing occurs with the recirculating liquid.

The operating dissolved oxygen level in the bioreactor is controlled to set points by regulating the air flow through an automatic actuated positioning valve with a 4-20mA control link to the signal probe in the tank. The valve is also mounted at low level outside of the tank, adjacent to the pump, for ease of access.

For further information about this, and other, JETOX aeration and mixing systems contact us at Aquabio Limited, Worcester, UK, either by e-mail or fax.

*Tel : +44 (0) 1905 641966
e-mail : info@aquabio.co.uk*

*Fax : +44 (0) 1905641977
Web : www.aquabio.co.uk*