

New aerobic wastewater bioreactor

Sustainable Technologies Group of the United Kingdom has developed a new aerobic wastewater bioreactor. The 'Aeroflow' consists of submerged aerated filters capable of achieving greater process efficiency than conventional aerobic biological treatment methods. The design incorporates a support medium to provide a large surface area for the growth of micro-organisms. The system is modular, which ensures even distribution of microbial activity throughout the bioreactor, thus overcoming many of the limitations other bioreactor systems have. The Aeroflow has been designed for the treatment of industrial waste effluents. Inside the reactor, the environment is controlled to ensure optimum growth of the mixed microbial population. The pH and dissolved oxygen levels, and the biomass loading are regulated. *Contact: Mr. Jerry Wyatt, Sustainable Technologies Group, 4, Acorn Business Centre, Arran Road, Perth, PH1 3DZ, Scotland, the United Kingdom. E-mail: enquiries @stg-wastewater.com.* (TPI News, July 2002)