

Hotels, Inns and Public Houses with Off-Mains Drainage



Many wastewater treatment systems, including most available package treatment plants installed at Hotels, Inns and Public Houses, have a reputation of failing the stipulated consent and are a source of offensive or noticeable odour. Conversely, Bio-Bubble Advanced Aeration has an enviable reputation of consistently achieving the highest consent limitations imposed by National and European legislation, using less energy and without any noticeable or offensive odour.

REDUCE REUSE RECYCLE - BIO-BUBBLE COMMERCIAL WASTEWATER SOLUTIONS

Very high variations of effluent pollution strengths are commonly discharged from Hotels, Inns and Public Houses throughout the day, making it difficult for continuous flow package plants such as RBC disc systems to achieve a consistent quality of treatment. These systems generally operate under unsteady-state conditions with low or no margin for peak strength flows. In contrast, Advanced Aeration incorporates steady-state batch treatment allowing blend-mixing and dilution of detergents and organic matter, which vastly improves the quality of the final effluent and ensures a high quality discharge is continually achieved.

High variations in effluent strength contribute to increased odour emissions which are commonly noticeable with practically all package treatment systems. Bio-Bubble Advanced Aeration is an exception, which over many years has demonstrated a proven ability of operating at full load, even during the hottest summer days, without any noticeable offensive odour in evidence.

Many Hotels, Inns and Public Houses have seasonal peaks. The "Sleep Mode" allows the system to

"hibernate" saving up to 75% energy during low season then, revert instantaneously to full treatment load on demand. No other system has this capability. Apart from saving energy, mechanical wear is also reduced which in turn enhances asset life.

Furthermore, conventional systems require higher quantities of sludge to be frequently removed by tanker service. This increases the cost of treatment, the overall energy usage and consequently the carbon footprint of the treatment process. Bio-Bubble Advanced Aeration reduces sludge quantities by 80 -90% and moreover, the sludge is stable, is practically odourless and requires far lower removal frequencies of normally once per year.

Bio-Bubble Commercial Solutions are fabricated from high quality, easily sourced components using minimal moving parts within the treatment process. This ensures a superior, high quality performance with exceptional reliability. Further assurance is imparted with the Remote Monitoring and Alarm system which provides sufficient early warning for any fault to be promptly and efficiently resolved.

