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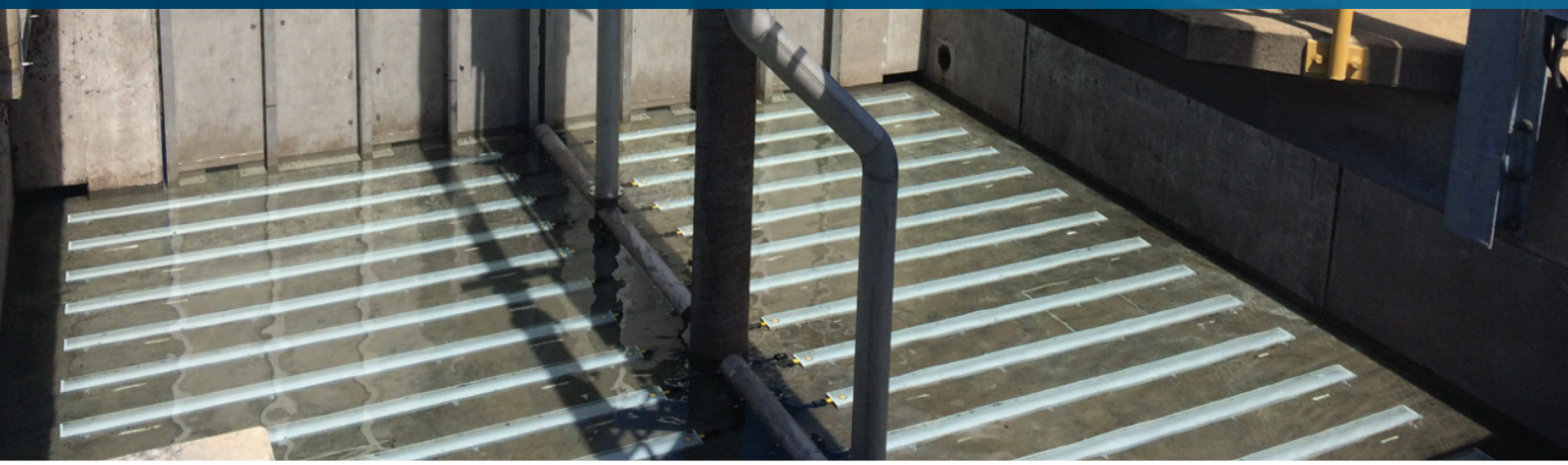
ROCKHAMPTON REGIONAL COUNCIL CUTS ITS COST OF WASTEWATER TREATMENT

CASE STUDY



Among the major challenges facing many councils in Australia is the need to treat growing amounts of wastewater caused by population growth; the need to manage the costs of this treatment and the need to meet and comply with new and stringent discharge limits.

The South Rockhampton Sewage Treatment Plant now serves a population of more than 19,000 people, the price of electricity in Queensland rose more than 20% in July of 2013 and it's no mean feat to keep under the limit of 5—10 milligrams per litre of Total nitrogen.

However, thanks to an upgrade of this treatment plant – which incudes using a diffuser system considered one of the most efficient in the world – the Rockhampton Regional Council has achieved a total nitrogen limit as low as 3.1 milligrams per litre while aiming to reduce electricity costs by up to 20%.

"AEROSTRIP® Diffusers are easy to retrofit to into existing sites. What makes them particularly popular is that, as a result of the superior materials used in their construction, they outlast all other diffusers technologies on the market" says Luis Bastos a Director of Hydroflux HUBER Pty Ltd,

"More than half of the energy used in a treatment plant such as ours is consumed in what is called the biological/ aeration process.

This is why we have upgraded the plant by retrofitting it with the highly-efficient aeration system of AEROSTRIP® Diffusers.

We chose Hydroflux Epco to install 80 of these four-metre AEROSTRIPs not only because they will cut our energy use while reducing our carbon footprint; but also because Hydroflux Epco provided performance guarantees for the installation.

These guarantees, which have been met and verified, include oxygen transfer rates" says Cr Greg Belz of Rockhampton Regional Council.