

Lion Co. Australia Wastewater Recycling Plant

(reference site only, no longer operated by TRILITY)



Providing industry with the necessary skills to ensure ongoing performance of a wastewater reuse plant



TRILITY partnered with Lion Co. Australia to commission and operate an affordable and environmentally sound water recycling plant at Lion's Brewery in Milton, Brisbane.



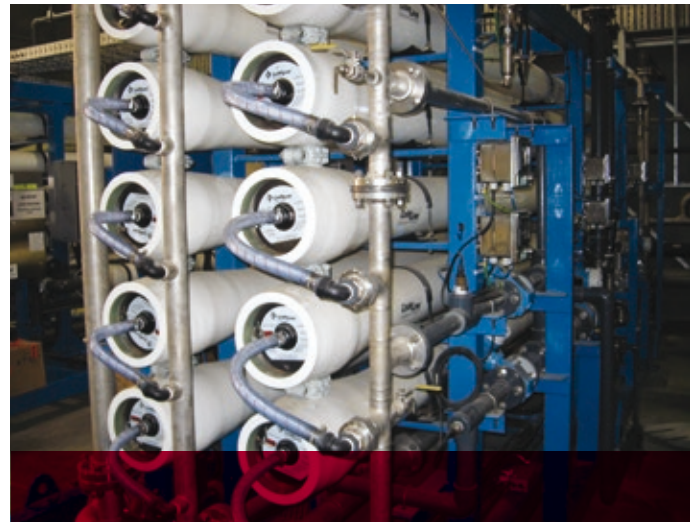
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As one of Brisbane's largest water consumers, Lion Co. Australia, supported by TRILITY, has been proactive in reducing their impact on the city's water infrastructure.

Lion Co. Australia contracted TRILITY to commission and operate the Water Recycling Plant (WRP) at Lion's Brewery in Milton, Brisbane.

The plant is capable of treating 3.8 ML/d of trade effluent to high quality water suitable for reuse within the brewery.

The WRP incorporates a complex design of traditional wastewater treatment technologies to produce an intermediate system suitable for further treatment in an integrated membrane system of micro filtration and reverse osmosis. The plant also produces a biogas suitable for partially replacing the town gas necessary for the operation of the site steam boiler, thus further reducing the carbon footprint of the site.



Who

Lion Co. is one of Australasia's leading beverage companies with operations in Australia and New Zealand. The company is engaged in the production, marketing, sales and distribution of beer and other beverages in Australia and New Zealand.

What

The 3.8 ML/d wastewater recycling plant at the Brewery was commissioned and was operated and maintained by TRILITY.

Where

Lion Co. Australia brewery in the inner city suburb of Milton, Brisbane.

Why

The effects of drought and climate change on water sources has been particularly severe in the high growth region of South East Queensland. Lion Co. Australia has been proactive in managing its water sources and sought a solution to reduce its town water intake.

Snapshot

Client	Lion Co. Australia
Type of Contract	Operation and Maintenance (O&M)
Facilities	Water recycling plant
Technology	Micro filtration and reverse osmosis membrane system
Design Capacity	3.8 ML/d
Term	Fixed term (now complete)
Capital Cost	N/A