

During September 2020, Burdekin Shire Council was overseeing the design and construct of a 5ML reservoir at their Home Hill Water Treatment Plant, bringing the process train in line with best practice. Council was seeking an experienced company to undertake the detailed design and supply of a Containerised Ultraviolet Disinfection System. The upgrade needed to specifically attain log credit to attain a validated deactivation of cryptosporidium (a microscopic parasite) in the water supply.

Aquatec Maxcon Group (comprising of Aquatec Maxcon, MPA Engineering and Maxcon Industries) was awarded the project specific contract during September of 2020. Utilising a local by contract allowed the Burdekin Shire Council to reduce the overheads associated with project management and contract establishment as these components were already in place. Aquatec Maxcon also kept costs low by completing design and project management in house, utilising its internal Electrical and Mechanical divisions to offer seamless design support and a 'whole of project view' encompassing pipework outside of the delivered project scope. The exact project requirements were detailed by the Burdekin Project Team and delivered by Aquatec Maxcon Group and its international UV Partner Trojan Technologies. Council received a containerised solution with insulated panelling, duty/standby air conditioners, industrial electrics, roller door maintenance access and all the pipework and UV systems pre-installed and tested. Offsite fabrication and testing assured the "plug and play" containerised Ultraviolet Water Treatment Solution package arrived fully tested and ready to go, built to suit the challenging tropical conditions of Northern Queensland.

Aquatec Maxcon is proud to continue to design, supply, deliver and support the Trojan UV fleet in North Queensland. We are proud to add Burdekin Shire Council to our list of installations and ongoing clients in the region.

## Supply of Containerised UV Package

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