



TRILITY was selected by TasWater to design and construct Work Package One of the TasWater Regional Towns Water Supply Program



Work Package One was the design and construction of water treatment plants and the subsequent operational support for a period of one year for eight of sixteen townships around Tasmania.



TRILITY's contract with TasWater and the communities which it serves will ensure safe, clean and reliable water supply to eight of the communities that form part of the 24glasses program.

The scope of Work Package One included the planning, design, construction and commissioning of water treatment plants to supply treated drinking water to the reticulation system for each of the townships. TRILITY designed and built the purpose built modular plants to suit the specific needs each of the eight townships.

The key process areas in each treatment plant consists of:

- Raw water supply and storage
- Pre-screening of the raw water to remove larger particles
- Ultrafiltration (UF)
- Granular Activated Carbon (GAC) filters
- Calcite for pH adjustment
- Using ultra violet treatment of the clean water where it is needed
- Treated water storage and supply



Who

TasWater commenced operations on 1 July, 2013 and was formed through the amalgamation of the three Tasmanian water and sewerage corporations: Ben Lomond Water, Cradle Mountain Water, Southern Water, and their shared services firm; Onstream.

TasWater's vision is to be a trusted and respected provider of essential services that is making a positive difference to Tasmania.

What

TasWater's 24glasses - Regional Towns Water Supply Program was implemented to remove all longstanding Public Health Notices in regional towns across Tasmania.

In August 2016, TasWater made a commitment to accelerate its program to address the water quality issues and to systematically remove public health alerts as quickly as possible across a number regional towns and communities across Tasmania.

Where

As part of TasWater's Regional Towns Water Supply Program Work Package One, the following towns will receive water they can drink straight from the tap by 31 August 2018: Herrick, Cornwall, Wayatinah, Bronte Park, Gladstone, Mathinna, Rossarden and Conara.

Why

More than 99.4% of TasWater customers can turn on their tap and get a fresh, clear glass of water that is safe to drink. There are still 16 towns in the state on Public Health Alerts. Regardless of their locations or size, they all depend on safe drinking water for their day-to-day needs and to underpin the economy of the town.

Snapshot

Client	TasWater
Type of Contract	Design and Construction (D&C) and the subsequent operational support for a period of two years
Facilities	Modular/purpose built packaged treatment facilities
Technology	Ultrafiltration, granular activated carbon filtration, pH balancing and ultraviolet treatment
Design Capacity	Township Capacity (kL/d) Bronte Park 104 Conara 222 Cornwall 25 Gladstone 40 Herrick 24 Mathinna 50 Rossarden 49 Wayatinah 50
Term	Design, planning and construction – 62 weeks Operational support ongoing until practical completion



For further information