

# Adventure Bay Water Treatment Plant Interim Upgrade Project

(Reference site only)



## Improved monitoring and control of existing water supply with new disinfection and mixing systems



Water treatment facilities upgrade to ensure reliability of the  
water quality and security of supply



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# Installing ultraviolet disinfection, rechlorination and a new control system for measuring and controlling water usage.

The Adventure Bay Water Treatment Plant (WTP) was assessed as part of TasWater’s Water Services Optimisation Program. It was identified as one of the systems requiring an upgrade to ensure reliability of the water quality and security of supply.

TRILITY was engaged to design, supply, fabricate, install, test and commission a replacement ultraviolet disinfection system, as well as installing a new control system for measuring and controlling the water usage.

In addition, a Hydra-Mix system was installed in the clear water storage tank to mix, and where necessary, rechlorinate the supply. The scope of works also included the dismantling, removal and legal disposal of existing equipment that was upgraded.



### Who

TasWater provides water and sewerage functions in Tasmania, with a vision to be a trusted and respected provider of essential services that is making a positive difference to Tasmania.

### What

Upgrade of existing disinfection plant to replace the old ultraviolet disinfection system and other instruments. The upgrade included the relocation of the electrical switchboard and the complete overhaul of the existing electrical installation to ensure compliance with Australian standards. A Hydra-Mix system was installed in the clear water storage tank, along with the implementation of remote monitoring with real time data.

### Where

Bruny Island, Tasmania

### Why

To upgrade the Adventure Bay disinfection plant in accordance with the requirements of the Water Services Association of Australia Manual for Health Based Treatment Targets.

### Snapshot

Client	TasWater
Type of contract	Design, supply, fabrication, installation, testing and commissioning
Technology	Ultraviolet disinfection, Hydra-Mix submersible reservoir mixer
Capacity	Design flow @ minimum validated UVT: At least 1.6L/s at equal to or less than 75%UVT



### For further information

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