

Bryn Estyn Water Treatment Plant Upgrade

Upgrade and expansion to greater Hobart's primary source of drinking water.

Project Need

The Bryn Estyn Water Treatment Plant (WTP) annually provides an average 60% of the water supply of greater Hobart and is clearly an important asset in Tasmania's water security. The upgrade to the WTP, which aims to improve operational efficiency, enabling the reliable supply of 160ML of water per day; was necessary to meet projected demand for coming years whilst continuing to provide healthy drinking water today.

For this project, pipes and fittings of 1404, 1219, 1067 and 914 OD totalling 1.5 km was needed. This is part of the largest single infrastructure project that the principal, TasWater, has ever undertaken.



Project: Bryn Estyn Water Treatment Plant Upgrade

Principal: TasWater

Location: Tasmania

Completion: 2021

Supplied: 1.5 km of SINTAKOTE® DN1404, 1219, 1067, 914; Sintelock-1 Pipeline

Solution

Steel Mains was required to supply the 1404, 1219, 1067 and 914 OD Sintakote® cement lined seal coat pipes and fittings for this project. The selected joint type was the Steel Mains' Sintelock® Type I rubber ring joint, also supplied by Steel Mains.

There were many changes to the fitting requirements made during the manufacturing period which Steel Mains was tasked with facilitating in order to maximise the efficiency of the clients operations. Steel Mains was able to sufficiently accommodate these changes to the project requirements without compromising product quality.

Thanks to the advanced jointing and coating technology of Steel Mains' signature Sintakote Steel Pipeline System, this project demands very little in terms of operation and maintenance costs.

Achievement

This project showcases Steel Mains ability to make adjustments to a projects' production process in order to adapt to the everchanging needs that clients may have. Sintelock Type I joints also represent Steel Mains' drive for high levels of safety within the industry as entry into the pipe during construction is not required, decreasing risks associated with internal welding or reinstatements.

The Bryn Estyn WTP will continue to provide a majority of greater Hobart's population the water they need to prosper, and the pipelines supplied by this project will only enhance this ability for days current and forthcoming.