

Sugarloaf North - South Pipeline Interconnector

70km pipeline securing Melbourne's future water supply



Project Need

To build a pipeline that can carry water from the Goulburn River near Yea to Melbourne Water Storages at Sugarloaf Reservoir with water savings to be split between Melbourne Water and irrigators in Northern Victoria (At the time Melbourne's water storages had depleted to below 30%). The Victorian government ruled that the pipeline can only be used in times of critical human need when Melbourne's water storage levels are critically low, thereby assisting to provide a complete system of water security to Victoria.

Solution

Steel Mains (formerly Tyco Water Pty Ltd) was contracted to manufacture and deliver the pipes for the pipeline. The pipeline was constructed with mild steel, fusion bonded polyethylene coated, cement lined pipe complying with Australian Standards AS1579, AS4321 and AS1281. The total pipes supplied for the pipeline were 3830 lengths of 1750mm diameter and 1464 lengths of 1404mm diameter pipes. The pipes were manufactured in 13.5 metre overall lengths from 12mm thick, 300MPa and 350MPa Grade steel. Total steel used to manufacture the pipes was approximately 35,800 tonnes. Steel Mains utilised both its manufacturing facilities in Wacol, Queensland and Somerton, Victoria to fulfil the contract. The Company also invested in new and modern plant and equipment at its Somerton facility to ensure that majority of the project could be supplied from Victoria.

Achievements

Despite bushfires and restricted access on the right-of-way, the pipes were successfully delivered within the agreed timeframe. The investment in new, modern plant and equipment by Steel Mains ensured that the pipes were supplied to the highest standards. The Sugarloaf North – South Interconnector Pipeline provides drinking water insurance for Melbourne when its water storages are extremely low. The pipeline also provides a source of water that can be used for fighting bushfires in the local area.

www.steelmain.com

Project: North South Interconnector Pipeline

Principal: Melbourne Water – Sugarloaf Pipeline Alliance

Location: Yea to Yarra Glenn Victoria

Completion: 2009

Supplied: 52km of 1750OD & 23.4km of 1404OD Welded Ball & Socket Joint Sintakote® Steel Pipe