



BARWON WATER BIOSOLIDS MANAGEMENT PROJECT

Water Infrastructure Group is designing and building Australia's largest thermal drying biosolids facility as part of a consortium with Barwon Water and Plenary Environment.

Water Infrastructure Group will also operate the facility at Black Rock near Geelong in Victoria for a 20-year concession term.

Project Drivers

Barwon Water provides quality water and sewerage services to 250,000 people in an 8,100 square kilometre region in southwest Victoria near Geelong. The region produces 54,000 tonnes of biosolids each year, which is currently trucked to Melbourne Water's Western Treatment Plant where it is dried in the open air.

Our Solution

The \$76 million thermal drying facility delivers one of the first steps that Barwon Water needs to achieve its goal of a "zero waste" sewage treatment and water recycling process.

The biosolids will be processed to "T1" grade to maximise the potential for sustainable beneficial use, as a fossil fuel replacement or fertiliser.

CLIENT

Barwon Water

LOCATION

Geelong, Victoria Australia

VALUE

\$76 million

CONTRACT

DBO



...continued

The plant will recycle 100 % of the biosolids from Barwon Water's key water reclamation plants and reduce greenhouse gas emissions by up to 40% compared with alternative treatment methods.

Other benefits include fewer truck movements to and from the Black Rock facility and an 80 per cent reduction in land area required for biosolids processing.

The thermal drying facility will be fully enclosed to ensure that dust, and odour are fully controlled.

