



WESTERN TREATMENT PLANT

PROJECT NAME/LOCATION

Western Treatment Plant

OWNER/PRINCIPAL

Melbourne Water Pipelines Alliance

MAIN CONTRACTOR

Melbourne Water

MATERIALS SUPPLIED

Recycled Sand

TOTAL TONNAGES SUPPLIED

Over 15,000 tonnes

ALEX FRASER CONTACT

Mark Barraclough

General Manager Recycling Industries

03 9371 8035

mark.barraclough@alexfraser.com.au

alexfraser.com.au

PROJECT DETAILS

Overview

Located in Werribee, in Melbourne's west, the 10,500 hectare Western Treatment Plant is a world leader in technical and environmental innovation. It processes around half of Melbourne's sewage and produces nearly 40 billion litres of recycled water a year.

The Western Treatment Plant treats about 60% of Melbourne's sewage. It serves about 1.6 million people in the central, northern and western suburbs.

The Werribee Pipeline delivered an upgrade to the previously existing Class C recycled water supply system. It is a 5.4 kilometre, 1m diameter Glass Reinforced Plastic pipeline.

Alex Fraser contributions

Between June and August 2011, Alex Fraser Group supplied over 15,000 tonnes of 5mm Recycled Glass to the project as pipe bedding and backfill material the pipeline. This was the largest project to have used recycled glass as a sand source and the consistency of the material was critical to its success on the project. The material was supplied in accordance with (insert specification).

Carbon savings

By choosing Alex Fraser Recycled Sand, Melbourne Water both contributed to saving natural sand sources and prevented glass waste from being stockpiled in landfill.