

# Christies Beach Waste Water Treatment Plant Upgrade



## Location

Christies Beach, South Australia

## Client

SA Water

## Commencement Date

January 2010

## Completion Date

May 2011

## Contract Value

\$23 million

**BMD Constructions delivered complex earthworks, services installations, and major water retaining concrete structures which were overlaid with highly specified industrial buildings.**

## Overview

The Christies Beach Waste Water Treatment Plant upgrade marks the third project BMD Constructions has undertaken for SA Water as part of their major plant upgrade. Previous contracts included the early works contract and outfall pipe construction. The project can be described as highly technical, involving nuanced engineering controls and rigid specification at every step.

## Project Scope

The contract chiefly involved construction of newly activated sludge, membrane, and UV disinfection concrete tanks. Combined, these structures constitute the C Plant, which effectively doubles the capacity of the existing plant. Also essential to the project was the construction of roadworks along the perimeter of the site. BMD Constructions supplied a range of services supporting water reticulation and process pipework, including installation of up to 900mm dia fibre reinforced pipes.

The project landscaping package incorporated re-vegetation to aid in balancing the local ecosystem, as well as the creation of a pleasant coastal walking path for the continued enjoyment of the local community. The works comprised extensive sand dune rehabilitation following the obligatory deconstruction of dunes during the previous outfall pipe phase of the overall project.

## Outcomes

Stabilisation of sand dunes along the stunning Christies Beach coastline.

Expansion of the Christies Beach Waste Water Treatment Plant to double capacity.

260,000 hours worked with an excellent safety record.