

Ludmilla Waste Water Treatment Plant Expansion



Location

Darwin, Northern Territory

Client

Power and Water Corporation

Commencement Date

October 2011

Completion Date

November 2012

Contract Value

\$17m

BMD Constructions were engaged to supply and construct the expansion works to the final component in the major overhaul and redevelopment of the sewerage collection and treatment system for a large portion of the Darwin area.

Overview

This project is situated in the Darwin suburb of Ludmilla, directly opposite the renowned Fanny Bay Racecourse. The expansion is for the NT Government department of Power and Water Corporation who are responsible for the delivery of sewerage services to the Northern Territory.

Project Scope

This project involves modification works to the existing treatment plant and new works in the form of treatment tanks, pipework, mechanical installation and commissioning, electrical and instrumentation installation and commissioning and civil and road works.

Scope of works include:

- Modifications to the existing inlet works, a coagulation & flocculation tank, 4 off Chemically Assisted Sludge (CAS) and a Feed Averaging tank (FAT);
- A dewatering system located within the dewatering building and a new chemical closing building containing a dual dosing system; and
- An odour control facility including refurbished lime system, expansion of the existing chlorine dosing system and a new switch-room to service the expanded plant.

Outcomes

A concerted effort has been made to ensure that a high content of Northern Territory suppliers and sub-contractors are being engaged for the project.

This demonstrates that BMD are conscious of the environments in which we operate and endeavour to support the local economics.

The project has had its challenges with the commencement coinciding with the on-set of the "wet season".

Contingencies had been made for the effects of this being site dewatering of excavations and scheduling of construction activities within the existing treatment plant to minimise disruptions due to wet weather.