

ACTION Buses - Refuelling Infrastructure Upgrade



Location

Belconnen and Tuggeranong, ACT

Client

ACT Government

Commencement Date

September 2012

Completion Date

June 2013

Contract Value

\$3.6 million

BMD Constructions delivered two complete fuel system upgrades whilst maintaining full refuelling capabilities at both sites.

Overview

The project involved design and construction of the refuelling and environmental controls of two bus depots located at Belconnen and Tuggeranong. The works were executed in parallel at the two sites that were 30 minutes apart.

Project Scope

The scope of works included the review and redesign of the existing refuelling and environmental systems. The new systems needed to comply with the current environmental and refuelling codes and collect fuel data in real time.

The scope of works included:

- Replacement of the above ground diesel tanks at Belconnen with two 80,000 litre tanks. This included of new foundations, extension of bunding, installation of a major roof structure and a Spel Purceptor for the oily water separation;
- New tanker unloading facilities at both sites with remote tank selection and automatic high level shut offs;
- Replacement of all bowsers in order to include sumps and electronic heads allowing data capture and authorisation control;
- Upgrading the waste oil facilities to ensure correct environmental controls including automatic over fill protection. This involved the insitu filling of one tank and the demo and removal of one other; and
- Replacement of fuel delivery lines and delivery pumps and instrumentation at Belconnen.

Outcomes

The design process was driven quickly and efficiently by liaising with the client throughout the project. Information was quickly communicated to suppliers resulting in minimal delays across the delivery of components and installation of structures.

The project team performed a complete refuelling upgrade at both sites whilst maintaining full bus refuelling capabilities.

BMD Constructions were flexible in their approach, accommodating late changes and additions to the original scope.

The project was completed within the agreed timeframe, and the client and all end users are complimentary of the final outcome.