



Name:	Newcastle Coal Infrastructure Group Coal Export Terminal	Client:	Abigroup
Owner:	Newcastle Coal Infrastructure Group	Site Location:	Kooragang Island, Newcastle, NSW
Value at Completion:	\$4,680,000	Year Completed:	2009

Project Description:

Design and construction of signalling for the loop and interface to existing signalling infrastructure.

Newcastle Coal Infrastructure Group (NCIG) comprises a group of six coal companies and exporters in the Hunter Valley Region that has formed a corporation. The group includes Hunter Valley Energy Coal (BHPB), Centennial Coal, Peabody Australia, Donaldson Coal, Whitehaven Coal and Felix Resources.

NCIG is implementing construction and operation of a new Coal Export Terminal (CET) at Kooragang Island in Newcastle, NSW, Australia. The CET will be designed for staged construction starting at 30Mtpa (Stage 1), with provision for further expansion in two stages to 45Mtpa (Stage 2) and then to 60Mtpa (Stage 3). Stage 1 of the terminal is planned to commence operations in 2009/2010.

Coal will be delivered by rail to a new unloading facility, then transported by conveyor system to stockpiles, from where it will be reclaimed for loading to ships. The design and construction of the CET will be sufficient to implement Stage 1, but will also consider the requirements for the future expansion to Stages 2 and 3.

O'Donnell Griffin's scope of work covers the requirements for the supply and installation of the signalling system and wayside devices for the NCIG Kooragang Coal Export Terminal

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Project.

Technical Highlights:

- Design of the CET signalling system and interfaces
- Design of the Microlok II interlocking system
- Supply, Installation and wiring of equipment Bungalows
- Supply and installation of Frausher Axle Counter System
- Supply and installation of signals and associated equipment
- Supply and installation of Dragging Equipment and Slide Wheel Detectors
- Termination of in-bearer point machines
- Construction of local cable routes
- Testing and commissioning of complete signalling system.

Personnel:

Project Manager: Chris Gormlie
Project Engineer: Andrew Percy
Project Engineer/Estimator: Michael Davis

Quality Standards Applicable

- AS / NZS ISO 9001:2000
- All works and services to comply with ARTC engineering standards

Specific OH & S Requirements

- AS/NZS 4801:2001
- ISO 14001:2004
- All works and services to comply with the Project Management Plan developed in accordance with Abigroup and, ARTC and NCIG rail safety requirements.

Referees:

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