

Value	A\$103,000,000
Start Date	September 2003
Completion	March 2005
Client	GasNet



Telfer Gas Pipeline

WESTERN AUSTRALIA, AUSTRALIA

GasNet awarded McConnell Dowell an EPC contract for 442 km of 250 mm diameter gas pipeline from Port Hedland to the Telfer Gold-Copper Mine in northern Western Australia.

The mine is owned by Newcrest Mining Limited, who entered into a long-term contract with GasNet for the supply of gas to the new onsite power station, as part of the \$1.2 billion expansion of the mine.

The pipeline was designed to have a high level of reliability and to be capable of expanded capacity (through compression) to cater for future expansion of the Telfer mine or the connection of other mine sites.

The class 600 pipeline utilises a single compressor station, with one duty and one stand-by compressor, also within MacDow's scope.

The pipeline traverses 100 km of flood plains, including a 600 m long HDD crossing of the De

Grey River, before a 300km section of the Great Sandy Desert to the very remote Telfer mine site. This region is one of the hottest environments in Australia, passing to the north of Marble Bar.

The pipeline was designed to have a high level of reliability and have the capability of expanded capacity, by the addition of further compression, to provide for future expansion of the Telfer mine or the connection of existing or new mining projects.

The works included implementation of environmental safeguards, flow isolation and monitoring.

Tropical Cyclone Fay caused massive flooding to the project area in March 2004 requiring the construction team to develop innovative solutions to deal with the altered conditions.

A 21 km reroute of the pipeline needed to skirt around a newly formed lake left by the cyclone.

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In addition, a stretch of pipeline had to be installed off a causeway, specially constructed through the flooded area.

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