

Value	A\$125,000,000
Start Date	December 2005
Completion	March 2007
Client	SunWater



Burdekin to Moranbah Water Pipeline

NORTHERN QUEENSLAND, AUSTRALIA

Substantial growth in world demand for coking coal has seen significant expansion to the Bowen Basin's coal mining operations. Three successive years of well below average rainfall left Eungella Dam, which services the region's mining operations, at critical levels. Without significant inflows into the dam, water supplies to existing mines are severely limited making key mining activities such as onsite handling, processing and dust suppression very difficult.

In partnership with six foundation users, SunWater commissioned McConnell Dowell to procure, construct and commission a 217 km long pipeline from the Gorge Weir, located on the Burdekin River, to Eungella Dam located at Moranbah, in the northern Bowen Basin of north Queensland. The works included modification to Gorge Weir to incorporate an intake structure, a pumping station at Gorge Weir, refurbishment of the Gorge Weir structure, 40 km of 813 mm OD DICL pipeline, 177 km of 750 mm OD MSCL pipeline, fibre optic cable installation, a further 3 booster pump stations along the pipeline route, a 600ML balancing storage built 35km north of Moranbah, and all weather access roads. The contrasting wet and dry seasons in northern Queensland were factored into the project program.

Critical activities such as clear and grade, pipe laying, backfilling and reinstatement were

accelerated to achieve completion during the optimal conditions of the dry season from March to November. Rubber Ring Jointed.

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