



# Coal Processing Plant

PROJECT REPORT

CLIENT: PIKE RIVER COAL LIMITED, NEW ZEALAND



CONCEPT   DESIGN   MANUFACTURE   INSTALL   COMMISSION   OPERATE

INNOVATIVE SOLUTIONS TO INDUSTRY



## The Situation

- Pike River Coal Limited (PRCL) has employed Brightwater Peat Limited to design and construct a modern coal processing plant for the development of their underground mine on the west coast of the South Island of New Zealand. The plant is known as the Pike River Coal Processing Plant.
- The mine will operate within an environmentally sensitive area and will incorporate the latest proven mining technology.
- The coal processing plant will be located approximately 10.6km from the mine head.
- Processed coal will be transported from the processing plant via road to a newly constructed road/rail facility at Ikamatua, approx 20km from the plant, from Ikamatua the coal will be transported to Lyttel where it will be exported.

## The Solution

- The coal will be pumped through a slurry pipeline from the underground coal crusher and slurry plant approximately 10.6km down the valley to the processing plant.
- The coal will then be processed to remove stone and will be separated by sulphur content.

## Key Features

- Design and construction of the complete facility.
- Environmentally sensitive construction platform.
- Employed leading edge technology.
- Project manage specialist suppliers and subcontractors.
- Close client and local authority liaison to overcome environmental issues.



**Brightwater**  
ENGINEERING

### New Zealand Head Office

Address 7 Spencer Place, Nelson 7022  
PO Box 43 Brightwater, Nelson 7051  
New Zealand  
Telephone +64 3 543 5300  
Facsimile +64 3 543 5301  
Email [inquiries@brightwater.co.nz](mailto:inquiries@brightwater.co.nz)  
Web [www.brightwater.co.nz](http://www.brightwater.co.nz)

### New Zealand Branches

Nelson Auckland Christchurch Greymouth

### Australian Branches

Perth Melbourne Brisbane  
Email [inquiries@brightwater.net.au](mailto:inquiries@brightwater.net.au)  
Web [www.brightwater-group.com](http://www.brightwater-group.com)



ISO9001  
Certified