

## Project Sheet



## Red Mud Neutralisation Facility



### Location

Queensland Alumina Limited (QAL)  
Red Mud Dam Boyne Island  
Gladstone, QLD

### Value

\$4.5 million

### Client

Outokumpu Technology  
Australasia Pty Ltd

### Contract Type

Supply and Construct

### Duration

March 2007 to March 2008

### Peak Labour Force

22

### Total Manhours

20,000hrs

Queensland Alumina pump red mud slurry, a waste product from the alumina refining process, to a neighbouring storage dam for disposal. To neutralize any caustic content, Walz Construction built a neutralizing plant that mixes sea water with the red slurry waste.

The red mud slurry mix is delivered to the neutralisation plant by a pipeline from Queensland Alumina's main processing operation.

Once the slurry mix is neutralized, it is pumped to the tailings dams where the water content is drained off through settling mazes and the mud settles into a land fill, which will in time, be rehabilitated.



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