

## Otahuhu Power Station Otahuhu, Auckland. New Zealand

May 1998

### COOLING TOWER PIPEWORK

Fibreglass and PVC cooling water pipes were supplied to the gas fire Otahuhu Power Station, built by Mitsubishi for Contact Energy. The majority of the piping was installed in the cooling tower, which was of an induced draught timber construction. There are eight individual bays making up the cooling tower and within the labyrinth of each bay tower the fibreglass piping is circulating the cooling water. Each bay has its own unique piping system consisting of 700 dia. riser pipe and from that the supply lines fed the heat exchangers and spray nozzles. Approximately 1 km of piping was supplied to Otahuhu Power Station plus 400m of 400 dia. pipe – supplying the saltwater from the intake at the pump house to the towers. Two GRP chemical tanks, 20,000 litres and 5,000 litres, were also supplied to the site for another subcontractor. These tanks are for the chemical dosing of the circulating water.

<b>Industry Sector:</b>	<b>Power Generation</b>
<b>Diameter:</b>	700, 500, 400, 300, 200
<b>Construction:</b>	Filament Wound
<b>Resin:</b>	N7878



### CONTRACTS

Both contracts were to international companies based in the United Kingdom and Europe. Initially they were skeptical that such technical expertise could exist in New Zealand to fabricate the piping systems, but their representatives were surprised at the quality of the product and the skill of the New Zealand manufacturers. We are now on an international database and are able to quote on other cooling tower piping systems in our region.



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