



## Water Treatment - Portland Water Treatment Plant

The Portland Water Treatment Plant is located south of Portland.

### Water Source

The water is sourced from the Dilwyn Aquifer. Three bores intersect this aquifer at one kilometre below the surface. The aquifer stretches from south west Victoria and south east South Australia. The water pumped from the bores at Portland is estimated to be between 893 and 28,700 years old.

Water is drawn out of the ground at approximately 60 degrees celsius. The water is cooled using five cooling towers to lower the temperature to approximately 26 degrees. The cooling towers also aerate the water which assists in removing a small amount of iron that naturally occurs in the water.

### Disinfection

The water is disinfected to ensure that micro-organisms are eliminated from the town's water supply. Chlorine helps maintain safe drinking standards while it is in the storage basin.

### Water Storage

The Portland clear water storage basin holds 36 megalitres of water which is distributed to customers throughout the Portland area.



Cooling towers at the Portland Water Treatment Plant

### 2012/13 AT A GLANCE

#### Portland Water Treatment Plant

Water Source:	Dilwyn Aquifer
Clear Water Storage Capacity:	34ML
Supply Volume to Customers:	1,431.6ML
Total Customers:	5,735

IML = One Million Litres