

Update 02  
January 2012

## Water Treatment Plant Upgrade

### The project

We are undertaking major upgrade works at the Gunbower Water Treatment Plant to improve water quality, treatment and operational flexibility. We are also rectifying a number of occupational health and safety concerns that have been identified at the site.

Built in 1994, the treatment systems are dated and infrastructure is aged. \$4.1 million will be spent at the Gunbower Water Treatment Plant to install a more robust treatment system which will allow us to better manage the variability in the raw water supply that is experienced throughout the year.

Please see over the page for illustrations as to what the upgrade will involve.

### Benefits

The water treatment processes on site will be improved, which will provide a more reliable water supply for customers. Water quality will also be improved with greater ability to manage the fluctuating raw water quality.

### Project progress

We had hoped to complete this project by the end of 2011 however we experienced a number of delays as a result of necessary power upgrades and changes to the on-site backwash water management system.

All the treatment unit processes have been installed, with the water filter membranes to be installed next month. We anticipate to begin commissioning the plant in March and subject to this process, expect to be fully operational by April this year.

### Customer impacts

Your water supply will not be impacted during the course of the project works. There may be some variations to water pressure, colour and taste during the commissioning stage, however the water supply will remain safe to drink.

### Feedback

We will continue to update you directly and the broader community in local newspapers as the project progresses. If you have any questions or feedback, please contact us on 1300 363 200 or email [coliban@coliban.com.au](mailto:coliban@coliban.com.au)

A dedicated project web page has been developed to provide the latest information and photos on this project. Click on the link to "Major Projects" at [www.coliban.com.au](http://www.coliban.com.au)



*Above: Stormwater drainage and backwash water pipes being installed, October 2011.*

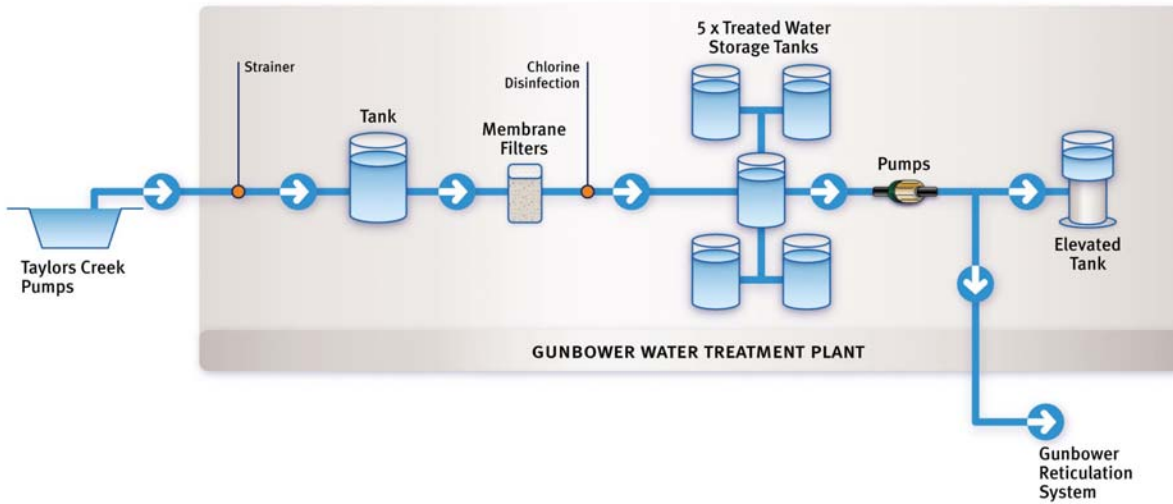


*Above: The Magnetic Ion Exchange Unit, November 2011.*

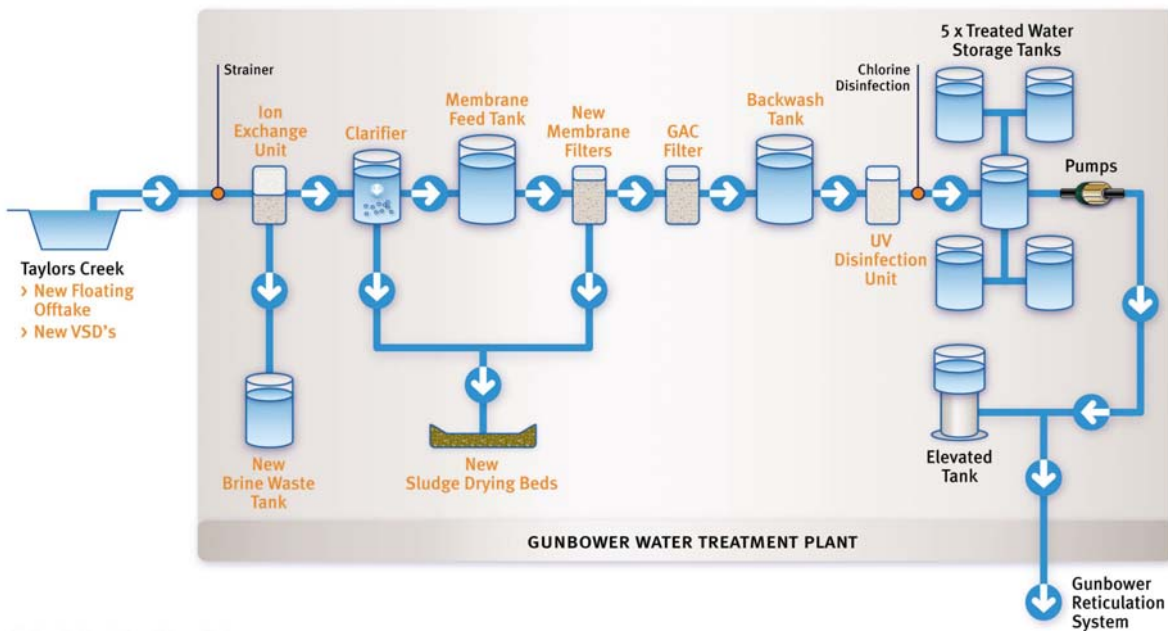
### Coliban Water

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## Gunbower Water Treatment Plant - Before the upgrade



## Gunbower Water Treatment Plant - After the upgrade



### Definitions:

VSD means pumps that are controlled by Variable Speed Drives. These enable the flow rates from the two pump stations to be varied and better controlled which assists the overall operation of the treatment plant.

Magnetic Ion Exchange Unit pre-treats the water to assist with removing organic materials from the raw water supply.

GAC Filter stands for Granular Activated Carbon filters which removes taste and odours from the water supply.

UV disinfection unit inactivates harmful organisms resistant to chlorine disinfection.