

Update 01
August 2011

Water Treatment Plant Upgrade

Project background

In 2008, we had planned to increase the treatment capacity at the Leitchville Water Treatment Plant in order to service both Gunbower and Leitchville townships via the construction of a nine kilometre pipeline to connect the two towns. The Gunbower Water Treatment Plant was then to be de-commissioned.

Following feedback from a community open day and the decision by a major water customer in Leitchville to cease operations, the upgrade plans were then revisited, with a decision made to upgrade both sites instead.

New upgrade project

We are undertaking a major upgrade at both the Leitchville and Gunbower Water Treatment Plants. These works will improve water treatment, reliability and provide broader operational flexibility for both systems. We are also rectifying a number of occupational health and safety concerns that have been identified at each site.

Both plants are old, with the Leitchville plant completed in 1986. The treatment systems in place are dated and the infrastructure aged. Upgrading both sites is more cost effective than the originally proposed project in 2008. Total cost for these upgrades is \$13.1 million, with approximately \$9 million spent on the Leitchville project.

For the Leitchville Water Treatment Plant upgrade we will be:

- Upgrading the two raw water pumps stations through the installation of variable speed drives which will allow the flow rates from the pump stations to be varied and better controlled
- Upgrading the existing clarifer on site with the installation of new tube settlers
- Replacing the existing sand filters at the treatment plant with a new membrane filtration system
- Installing a new ultraviolet (UV) disinfection system
- Building new chemical storage facilities and dosing systems
- Replacing the existing aged one megalitre filtered water ground tank with a new tank
- Installing a new elevated storage tank (approximately 24 metres high) to replace the existing pressure pumps which currently supply the town

Timeline

Work will commence by the end of next month. The Gunbower Water Treatment Plant upgrade will be running in parallel to this project, with earthworks already underway at this site. We anticipate that the Leitchville project will be completed early in 2012.

Benefits

Water treatment processes will be improved at site, which will provide improved quality and a more reliable water supply for customers.

Customer impacts

Water supply will not be impacted during the course of the project. There may be some variations to water pressure, colour and taste whilst the new infrastructure is commissioned, however the water supply will remain safe to drink and these variations will be limited.

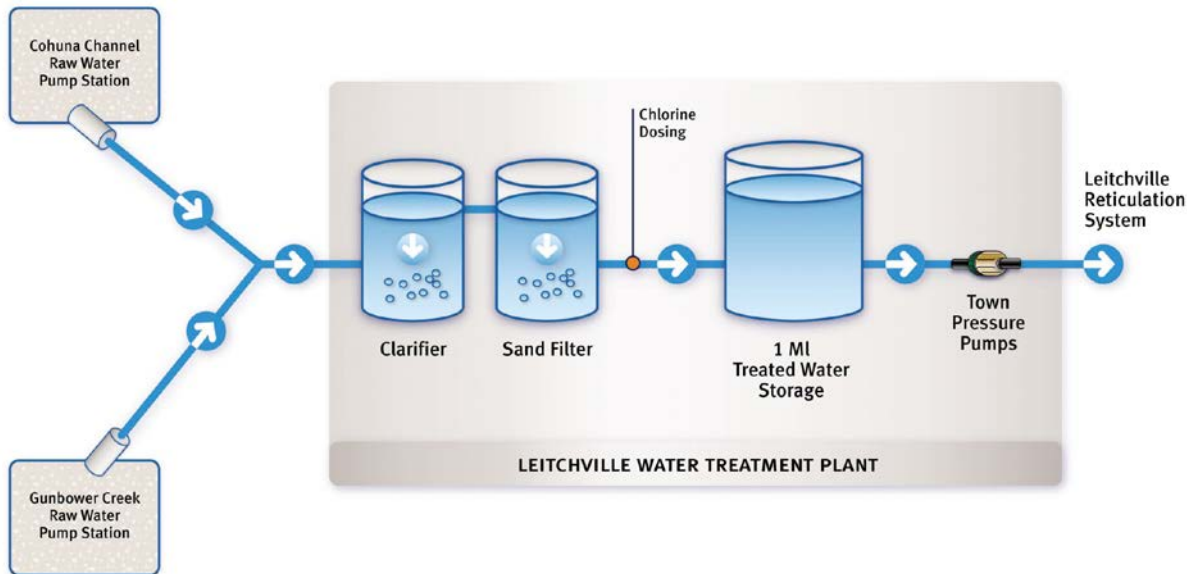


Leitchville Water Treatment Plant.

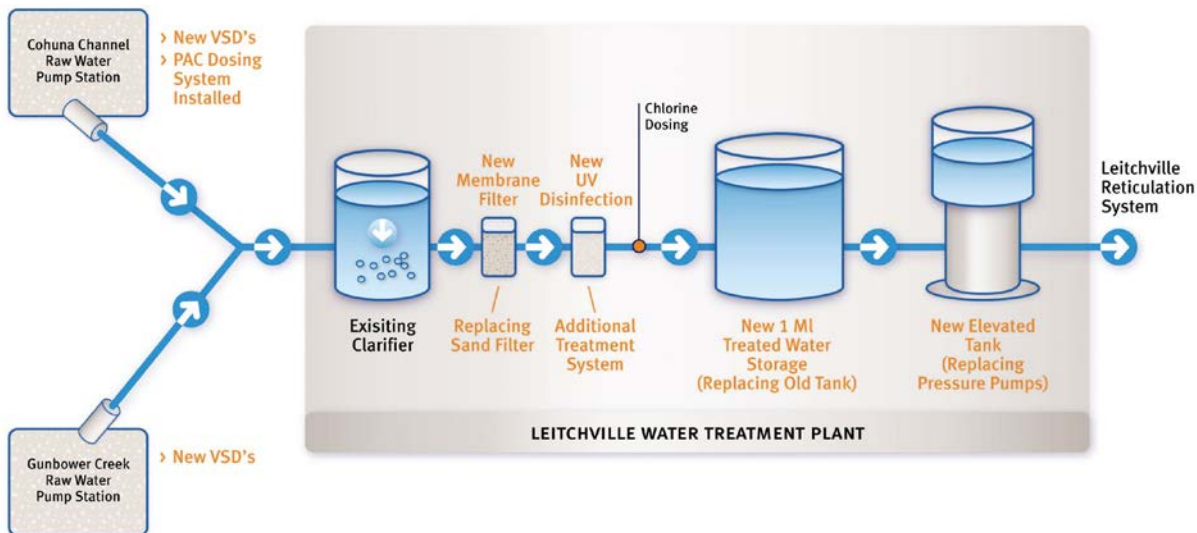
For more information about the project, please call our Customer Contact Centre on 1300 363 200 or e-mail your question to coliban@coliban.com.au

A dedicated project web page has been developed to provide the latest information on construction. Click on the link to "Major Projects" at www.coliban.com.au

Leitchville Water Treatment Plant - Before the upgrade



Leitchville 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.

PAC Dosing stands for Powder Activated Carbon Dosing which is used to treat the water before it enters the treatment plant at certain times of the year when there are potential taste and odour issues with the raw water supply.

UV Disinfection is the use of ultraviolet light to further disinfect and treat water before being supplied to customers.