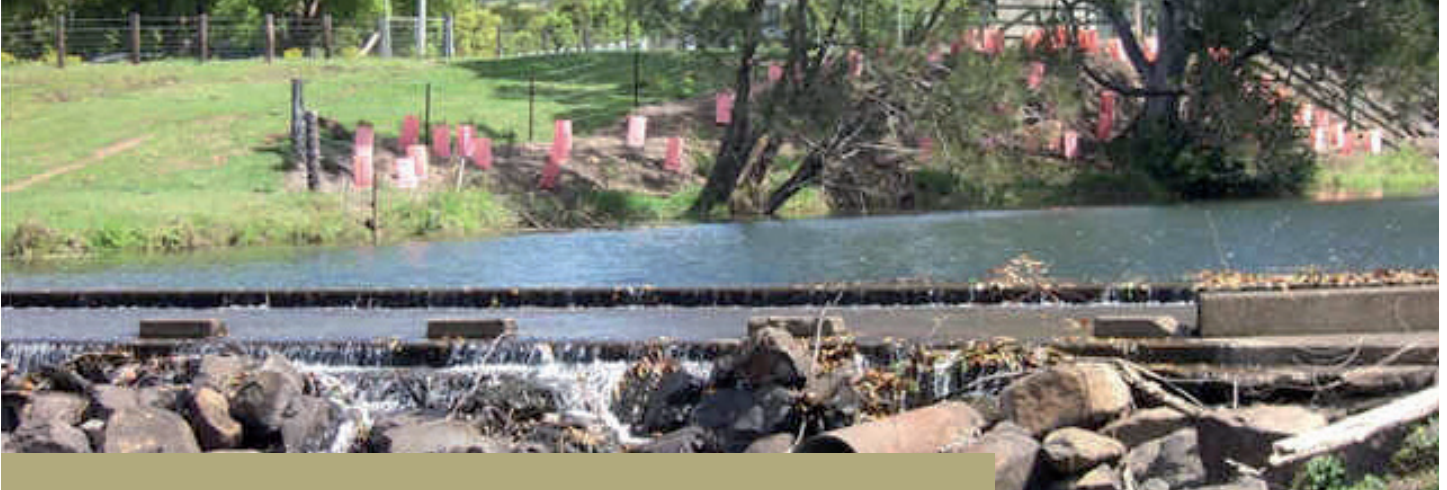


Tyalgum Water Treatment Plant Upgrade



Tyalgum Water Treatment Plant (WTP) is undergoing a major upgrade to improve the quality of water for town residents

Tweed Shire Council is implementing a \$1.65 million upgrade of the treatment plant, located in Carraboi Terrace.

Council has finished constructing a new building to house the plant and is scheduled to complete the installation and commissioning of the new WTP by September 2012.

Background

Tyalgum village is located approximately 24km west of Murwillumbah and has been connected to a reticulated water system since the 1960s.

Its existing WTP includes a coarse in-creek filtration and chlorination system which is not able to adequately treat water during periods of poor raw water quality. Tanker trucks are needed to cart treated water to the village when raw water quality is poor.

The village's current average demand for potable water is 90 kilolitres per day (kL/d), with a peak day demand of 220kL/d.

An upgrade of the Tyalgum water supply treatment system was recommended in Council's Integrated Water Cycle Management Strategy.

The new Tyalgum WTP will feature the same membrane filtration technology as the state-of-the-art water treatment system recently installed at Bray Park, which supplies water to most of the Tweed region.

Key objectives

- Improve potable water supply quality to meet Australian Drinking Water Guideline Requirements
- Reduce requirement to cart water during periods of poor raw water quality

Budget

The total value of these works is estimated to be \$1.65 million.

Tyalgum Water Treatment Plant Upgrade continued . . .

New Water Treatment Plant

The new purpose-built WTP building has been constructed next to the existing plant on Carraboi Terrace.

It will house a new high-technology water treatment plant featuring the following process units:

- Pre-screens.
- Micro-filtration membranes.
- A granular activated carbon filter.
- Chlorination.

The new WTP will improve water quality to meet Australian Drinking Water Guideline requirements, producing up to 250kL/d of very high quality potable water, and will eliminate the need to cart water during periods of poor raw water quality.



A new building has been completed as a part of the water treatment plant upgrade.

Construction works

Construction of the new WTP building began in September 2010 in was completed in February 2011, although works are ongoing to install external tanks and connect services.

A contract to design and install the new water treatment plant has been awarded to AquaManage P/L.

Construction works will be limited to Monday to Saturday, 7am to 7pm, to minimise any impact on nearby residents.

Contact us

For further information about the project, please phone Michael Wraight on (02) 6670 2680, send an email to watertsc@tweed.nsw.gov.au or visit Council's website at www.tweed.nsw.gov.au



The existing Tyalgum Water Treatment Plant and weir.