



## Timeline

- ✓ **Site Establishment**  
February 2020\*
- ✓ **Demolition of Existing Structures**  
March 2020
- ✓ **Commencement of construction works**  
March 2020
- ✓ **Completion of concrete work for tanks**  
August 2020
- ✓ **Start of water pipework**  
August 2020
- ✓ **Start of new Manilla River Pump Station construction**  
August 2020
- ✓ **Completion of Manilla River Pump Station**  
November 2020
- ✓ **Water Treatment Plant construction complete**  
September 2021
- ★ **Completion of the Namoi River Pump Station**  
March 2022

\* Weather permitting

## The water treatment process

The new water treatment plant at the Reservoir Road site will incorporate the latest water treatment technology, allowing for safe, clean, clear water to be supplied to Manilla residents no matter the quality of the raw water in the rivers.



### What is a Sludge Thickener?

The Manilla Water Treatment Plant collects the sludge from the clarifier and the water used to backwash the filters in the washwater balance tank. This water is then pumped into the sludge thickener, combined with a polymer flocculant allowing the sludge to concentrate and be transferred to the sludge lagoons. The clean water collected from the top can then be returned to the head of the water treatment plant where it can make up to 10% of the total raw water. This means essentially all the water extracted from the river is used to produce fresh, clean, safe drinking water.

## Plant commissioning

**The commissioning of the new water treatment plant has been completed and is supplying clean safe drinking water, with the project now moving onto the Namoi River pump station.**

The proof of performance testing conducted in early October tested the plant running over the full range of flow rates, from a minimum of 22.5L/s up to 45L/s or approximately 4ML/day, enough to fill over 100 backyard swimming pools every day. Raw water sourced from the Manilla River, with varying quality parameters due to rainfall, was processed during performance testing. Throughout the testing period the plant produced clean and safe drinking water meeting or exceeding the Australian drinking water guidelines.

With the treatment plant and Manilla River pump station now complete and commissioned, focus has moved to the Namoi River pump station at Chaffey Park, with the old pump shed being demolished, and the old pumps, switchboard and pipework being removed. The work at the Namoi River pump station will include;

- new switchboard;
- two new 55kW Raw Water Delivery pumps in a duty/standby arrangement;
- new suction pipelines;
- new irrigation pump for Chaffey Park;
- raw water monitoring equipment; and
- new building to house the equipment and pump well.

While a lot has been removed off the old pump station the existing pump dry well, constructed in the 1930s, will be retained

and will continue to serve the residents for the decades to come with new pipework already installed at the base of the well and the new pumps to be installed over the coming months.

For more information about the project see our MyTRC Online Community page [haveyoursay.tamworth.nsw.gov.au/manilla-water-supply-upgrade](http://haveyoursay.tamworth.nsw.gov.au/manilla-water-supply-upgrade) and select the 'Follow' option. There will be regular updates as the project proceeds.

For any enquires, please do not hesitate to contact me on 6767 5555.

Ian Cross  
Project Manager  
Manilla Water Supply Upgrade  
Tamworth Regional Council



Construction starting at the Namoi River Pump Station



# Manilla Water Supply Upgrade

Raw Water Pipeline

Manilla River pump station

Namoi River pump station

Namoi River

Water Treatment Plant

WTP property

Reservoir

