



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**
July 2021
- ☆ **Completion of the Namoi River Pump Station**
October 2021

* Weather permitting

The water treatment process

The new water treatment plant at the Kanangra road site will incorporate the latest water treatment technology, allowing for safe, clean, clear water to be supplied to Manilla River no matter the quality of the Raw water in the rivers.



One of the Inclined Plate Settling Tanks (IPSTs) being lifted into position

What is a Clarifier?

In the Clarifier, water flow is slowed down allowing the flocs to settle out of the water by sedimentation forming a sludge at the bottom of the tank. The sludge is vacuumed out of the clarifier using an inbuilt sludge rake for further treatment and disposal. The Manilla WTP is using a clarifier called an Inclined Plate Settling Tank, allowing for greater flows with a smaller footprint.

Time to install 50kms of electrical wiring

Work on the Manilla Water Supply Upgrade is underway with construction of the new Manilla Water Treatment Plant and I am excited to update you about the latest progress.

The civil construction works are mostly complete with the laying of concrete driveways and last lengths of underground pipe work installed. The steel stanks for the Flocculator, Clarifier, Filter facility have also been installed, completing the water treatment flow path through the site

The Electrical fitout has now commenced with the electrical contractor having their work cut out pulling over 50km of cables though underground conduits.

Each individual conduit can have 20 or more wires in lengths of up to 160m!

The mechanical fit out has started as well with the six on site pump stations taking shape. Each pump station can have over 20 pipes and fitting with over 200 bolts to install, a time-consuming process. Elevated walkways and access platforms have also been placed, ready for process equipment to be installed.

The timeframe for the completion of the works has been extended to July for the Water Treatment Plant and to October for the Namoi Pump Station at Chaffey Park. These delays are associated with post design regulatory changes relating to raw water metering, procurement difficulties,

and one of the wettest summers in recent years.

For more information about the project see our MyTRC Online Community page yourvoice.tamworth.nsw.gov.au/manilla-water-supply-upgrade and select the 'Follow' option. It will be updated regularly 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



Progress on the Manilla Water Treatment Plant

