

#the **BIG**  
Water Story

Please join us!

## Takapau Water Treatment Plant – Formal Opening!!

Central Hawkes Bay District Council is pleased to invite you to celebrate the opening of the new water treatment on Tuesday the 10th December 2019.

The community will have the opportunity to explore the plant, and hear how it will operate, with the opportunity to ask council and our engineers any questions.

Where:

**Takapau Water Treatment Plant**

Address:

**19 Meta Street, Takapau**

When:

**Tuesday 10th December 2019**

Time:

**4-6pm**

### Overview

The Takapau water supply is taken from a deep bore (40 metres) located at the end of Meta St.

A submersible pump delivers water to two 24m<sup>3</sup> raw water storage tanks.

The water is injected with Ozone and Chlorine before passing through a greensand filtration system where the manganese is removed. Following this process, it passes through ultra violet (UV) light as a final treatment before the treated water is stored in nine 24m<sup>3</sup> treated water storage tanks. Water is then pumped into the reticulation and into a 230m<sup>3</sup> reservoir at the intersection of Sydney Street and SH 2 which balances the system.

### The Project

The project involved designing a new treatment system to deal with the known issues of manganese while ensuring consistency and compliance with the drinking water standards and allowing for the ability to meet community water demands.

A containerised system was developed by Veolia to house the controls, greensand and UV systems, while a new chlorine shed was installed and the existing Ozone treatment incorporated into the new treatment process.

The project had complexities as the team had to deal with working around the in situ plant, and ensuring we maintained supply to the community through the project,

Significant work was required to clean the reticulation network by pigging, and flushing, the reservoirs were also drained and hydro cleaned.

