

#the **BIG**
Water Story

Please join us!

Porangahau / Te Paerahi Water Treatment Plant – Formal Opening!

Central Hawke's Bay District Council is pleased to invite you to celebrate the opening of the new water treatment.

The plant will be formally opened with a blessing, and community members 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:

**Porangahau /
Te Paerahi Water
Treatment Plant**

Address:

**Beach Road,
Te Paerahi**

When:

**Wednesday 18th
March 2020**

Time:

4-5pm

Overview

The water supply is taken from a bore (15 metres deep) located in the paddock in Beach Road behind the water treatment plant. A submersible pump delivers water to raw water storage tanks.

The water is injected with chlorine before passing through an Ion exchange process where the water is softened, and then a greensand filtration system where the iron and 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 24m³ treated water storage tanks and a new 185m³ treated water reservoir. Water is then pumped into the reticulation and into three 60m³ reservoirs in Porangahau.

The Project

The project involved designing a new treatment system to deal with the known issues of iron and hardness while also 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, softeners and UV systems, while a new chlorine shed was installed and the existing pumps configured into the system, with spare pumps and a new generator added to the supply.

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.

