



Grounds for high WATER QUALITY

Main Use

Provide safe drinking water to a regional park, that comply with New Zealand Drinking Water Standards 2005 (revised 2008) – (DWSNZ).

Davey Product

Industrial Filter Housings and Cartridges
Kinetic Softeners
Viqua Pro UV
Davey VM Pump System
Davey Torrium Pump
Pulsafeeder Dose Pump

The above Davey Products are part of the ACQUA by Davey Water Treatment System.

Customer

Auckland City Council

Location

Awhitu Regional Park, New Zealand

ACQUA by Davey Water Treatment System must be able to meet the following:

Daily allowable volume: 50m³ a day

Water Demand for Awhitu Regional Park

Normal Population: 250

Normal Demand: 10 m³/day

Peak Population: 550

Peak Demand: >100 m³/day

Trusted water treatment system for the Awhitu Regional Park

Auckland City Council offer diverse, valuable opportunities for our team, varying in scope from large-scale projects that benefit the entire Auckland region, to initiatives that focus on individual communities.

Awhitu Regional Park utilises a bore to provide water to the surrounding community including a campground with a seasonal demand between 10m³ and 100m³ a day. Initial water tests of the bore water showed high levels of iron and manganese which results in poor taste and staining.

Leading into summer, a rapid turnover was required to have the regional park functional and ready for the increased influx of people and water demand. ACQUA by Davey were engaged to provide a water treatment plant to provide safe drinking water to the regional park, under Drinking Water Standards 2005 (revised 2008).



At ACQUA by Davey, we understand no two jobs are the same. That's why we have a team of sales engineers and a specialised production department to tailor the system for your needs.



THE ACQUA by Davey SOLUTION

An effective and practical design was incorporated to make the process simple and user friendly for operating and maintaining. The treatment comprised of filtration, ion exchange with UV and chlorination to offer double-barrier disinfection. Flow, pH, UVI, pH, turbidity and FAC are all monitored to provide the required insurance that the water produced is safe to drink.

Jack Neill, Project Engineer for ACQUA by Davey:

The Awhitu regional park water treatment upgrade has been a great collaboration between council, Davey and all other consultants and contractors. While still making sure the system complied with all requirements set out in the original spec, we were able to tailor the process and add our expertise to provide a system that was user-friendly and designed around the water quality of the site. A great success all round!



"... we were able to tailor the process and add our expertise..."



ABOUT ACQUA BY DAVEY

Our solutions and team of experts can treat water for medical and healthcare services, food and beverage, community drinking and wastewater, farming operations and large commercial operations such as hotels and universities.

We know that each water solution need is different and depending on your circumstances and application, will require expert advice. This is where we come in, offering the best treatment solution to suit your needs and provide you with the systems to monitor results and help you adjust when and where you need to.