

PROJECT SUMMARY

Water Safety Plan & Compliance Assessment, Beachlands, Auckland



Client: Beachlands South Limited Partnership
Location: Pine Harbour, Beachlands, Auckland
Project Value: Undisclosed
Sector: Commercial/Industrial, 3 Waters
Completion: 2022

PROJECT DESCRIPTION

In preparation for significant growth in the population at Beachlands, a review of the existing water treatment plant (600m³/d) was undertaken to assess compliance with the Water Services Act (WSA) 2021 and the requirements to upgrade the plant to meet the needs of the future population.

As part of the treatment plant and water source audit, GWE also provided advice on the requirements for a Water Safety Plan and a Source Water Risk Management Plan.

- Plant audit focused on plant, equipment and compliance with the WSA 2021
- Review of Health and Safety Plan

- Borehead sanitary assessment against the requirements of the Drinking Water Quality Assurance Rules 2022
- Review of current operational Water Safety Plan
- Compilation of summary report including recommendations of plant and equipment upgrades and compliance with the Drinking Water Standards and Aesthetic Values 2022.

Our assessment provided recommendations on compliance with the WSA 2021 including, source water, treatment and distribution. Further recommendations were provided on a revision to the Water Safety Plan, additional monitoring and sampling, online instrumentation, and backflow prevention programme in the distribution.

SERVICES PROVIDED

- Source, treatment and distribution audit
- Review of compliance with Water Services Act 2021, Drinking Water Standards 2022, Aesthetic Values 2022 and Drinking Water Quality Assurance Rules 2022.
- Hazard and Risk Assessment
- Improvement Plan including high level costing
- Water Safety Planning review

GWE Consulting Engineers

Ground Floor Oceanbridge House
25 Anzac Street Takapuna Auckland 0622
P 09 445 8338

