

# Rosedale Dam

Important safety information for the community downstream of the dam



## About Watercare

**We are New Zealand's largest company in the water and wastewater industry. Each day, we provide lifeline services to 1.7 million Aucklanders.**

**We supply around 400 million litres of water to Auckland every day. We draw water from 27 sources, treat and supply it to homes and businesses via a vast network of pipes. We collect, treat and dispose of around 396 million litres of wastewater daily, including trade waste from industry.**

**We also carry out significant work to replace, upgrade and build infrastructure, to maintain levels of services and provide capacity for a fast-growing population.**

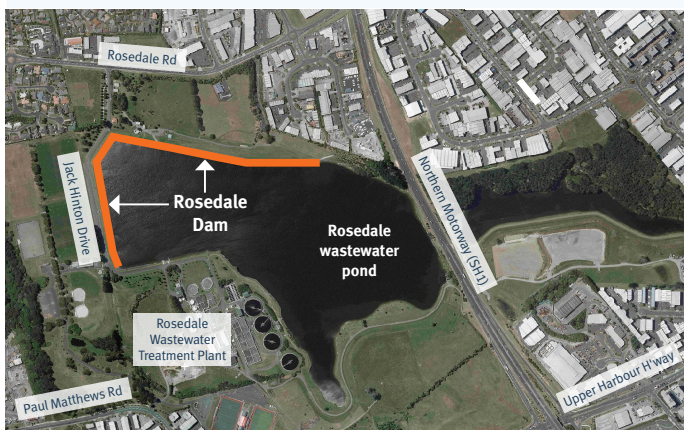
## About the Rosedale Dam

The Rosedale Dam contains treated wastewater from the two large ponds associated with our Rosedale Wastewater Treatment Plant, situated at 2 Jack Hinton Drive, Albany.

The Rosedale Dam was built as part of the Rosedale Wastewater Treatment Plant which was opened in 1962. Since then the dam has been maintained and upgraded to continue to meet stringent engineering requirements and safety standards. It is constructed to withstand 'Maximum Credible Earthquake' and 'Probable Maximum Flood'.

At Watercare safety is our priority. We monitor the dam structure regularly and operate in accordance with strict regulatory requirements. We adhere to guidelines set by the New Zealand Society of Large Dams (NZSOLD).

Rosedale Dam location



## Rosedale Dam safety

While we monitor and maintain our assets to the highest safety standards, we also plan for worst case scenarios.

### Safety plan

A safety plan is in place for the operation and monitoring of the dam structure and includes emergency response protocols in the unlikely event of a dam breach. We review the plan annually or when there is a change in regulation to make sure they are kept up-to-date and follow current best practice. We work closely with Auckland Emergency Management (Civil Defence), on the development of our emergency response plan.

### Dam monitoring and safety procedures

Our team of experts monitor the dam environment regularly for any changes:

- At least once weekly
- After heavy rainfall
- After a major earthquake

While a dam breach is highly unlikely, there is a greater risk during an extreme natural event.

### Dam flood zone

We undertake flow and inundation modelling of dam breach risk zones. These are available on our website [www.watercare.co.nz](http://www.watercare.co.nz) and search 'Rosedale Dam'.

If you live downstream of the dam, we recommend making yourself familiar with the hazard zone and the location of safe areas outside the flood zone.

## What to do in an evacuation scenario

In the case of any emergency it is important that you are prepared and know what to do. Unforeseen disasters can strike at any time.

### In the event of an emergency

In the unlikely event of a breach of the dam, the response for the local community is to:

**Evacuate**  
to higher ground



### What happens in an evacuation scenario?

In the event of an evacuation, Auckland Emergency Management may lead the community response. They have the best resources to coordinate an evacuation scenario.

In an emergency that requires a public response, information is likely to be available on a number of channels:



An emergency alert may be sent to mobile phones in the affected area



Notices on TV and radio



Emergency services may be on the ground in affected areas



Up-to-date information will be available on our website and social media during any incident with our dams.

## How to get prepared

### Have a plan:

- Have a getaway kit with essential items ready
- Know your evacuation route to higher ground

### Auckland Emergency Management:

Emergency information is available on their website:

[www.aucklandemergencymanagement.org.nz](http://www.aucklandemergencymanagement.org.nz)

- Sign up to receive emergency alerts in the Auckland area
- Find out about current hazards in your area

### Get Ready website:

Go to <https://getthru.govt.nz/how-to-get-ready/> which has resources and information so you can be ready if disaster strikes:

- Learn about disasters and how to keep safe
- Create a household emergency plan including key contacts and assembly point
- What items you might put in a getaway kit in case you have to leave in a hurry.

## Any questions?

If you have any questions, please contact us.



Email: [damsafetyteam@water.co.nz](mailto:damsafetyteam@water.co.nz)



Phone: 09 442 2222

Ask to be contacted by the dam safety team



Go to [www.watercare.co.nz](http://www.watercare.co.nz) Search: 'living downstream of our dams'