

Liquefaction

Liquefaction occurs when water pressure builds up in soils during earthquake shaking, turning the soils into a wet 'jelly-like' consistency and leading to a severe reduction in their strength.

The devastating effects of liquefaction induced damage includes slope failures, bridge and building foundation failures, and the flotation of buried structures.

Tonkin & Taylor has a team of experienced geotechnical engineers and engineering geologists who specialise in the investigation and analysis required to determine whether a susceptibility to liquefaction exists. If it does, practical and cost effective remediation solutions are then developed.

Working closely with our clients and contractors provides essential inputs to develop practical engineering solutions that meet client needs.

Expertise

The expertise T&T has to offer, as New Zealand's largest geotechnical consultancy, has been gained while working on various projects including:

- Site development projects (residential, commercial and industrial)
- Landslide assessments and remedial design
- Oil and gas storage tank farms

- Major infrastructure developments including hydro electric power schemes, road and rail projects, port and harbour developments, water supply and solid waste (landfill) developments
- Airport and air industry projects.

