

Learn about Module 3

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This guideline is about liquefaction hazards and their effect, including lateral spreading. It describes sources of liquefaction-induced ground deformation and outlines procedures for assessing ground deformation.



Module 3 guideline

Module 3: Identification, assessment and mitigation of liquefaction hazards (<https://www.building.govt.nz/building-code-compliance/b-stability/b1-structure/geotechnical-guidance-3/>), and other modules, are available in the earthquake geotechnical engineering practice series.

Module 3 educational resources



Video: Identification, assessment and mitigation of liquefaction hazards

An overview of changes and additions to the old 2010 Module 1 on liquefaction hazards.

Go to the video (<https://www.building.govt.nz/building-code-compliance/geotechnical-education/learn-about-module-3/video-module3/>)

If you would like to do a quiz related to this video that can be counted as part of your Continuing Professional Development (CPD) hours, [register on the Engineering New Zealand website \(https://learn.engineeringnz.org/course/view.php?id=42\)](https://learn.engineeringnz.org/course/view.php?id=42)

Module 3 events

Find out about a one-day technical seminar run by Engineering New Zealand, called [Liquefaction Assessment in the Engineering Practice](#)

(MBIE/NZGS Module 3 Guidelines) (<http://pd.ipenz.org.nz/courses/225-liquefaction-assessment-in-the-engineering-practice-mbie-nzgs-module-3-guidelines>)

The seminar was developed with the authors of Module 3 and is designed to extend the learning of:

- geotechnical engineers, structural engineers or geologists involved in liquefaction assessment
- people with a sound understanding of simplified liquefaction evaluation procedures
- or engineers developing skills in liquefaction analysis.

Related resources

- Gregg drilling seminar series (<https://www.youtube.com/user/GreggCPTWebinars>) on YouTube.
 - Repairing and rebuilding houses affected by the Canterbury earthquakes (<https://www.building.govt.nz/building-code-compliance/canterbury-rebuild/repairing-and-rebuilding-houses-affected-by-the-canterbury-earthquakes/>) (also known as the Residential guidance).
 - New Zealand Dam Safety Guidelines (2015) (<https://nzsold.org.nz/2017/08/31/the-new-zealand-dam-safety-guidelines/>) on the New Zealand Society on Large Dams website.
 - Bridge Manual (<https://www.nzta.govt.nz/resources/bridge-manual/>) on the New Zealand Transport Association website.
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New Zealand Government

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