

Shared Learning

Electricity | Earthquake damage to fire water tank hold down fasteners | EGL GDL site

What happened?

Eastland Generations Geothermal sites have been affected by a series of earthquakes in the Kawerau district.

The earthquakes caused minor damage across several sites and caused 2 plants to trip.

During inspections post the event we discovered many failed fasteners on the fire water storage tank foundations as shown in photos.

What did we learn?

Standards for construction of some on site structures such as fire water storage tanks have changed in recent years. Some older structures may not comply with current standards. Operators of sites with similar structures may wish to investigate the design of these structures to determine if they are appropriate for the environments where they are installed and compliant with current standards.

