

SLOPE STABILITY

SLOPE STABILITY WORKSHOP

COURSE OVERVIEW

The **Slope Stability** workshop has been designed to provide participants with knowledge relating to geotechnical awareness skills and management strategies to minimise the potential risk associated with slope instability and rock falls. The potential for rockfalls and slope failures makes working near quarry walls, stockpiles and dump faces a hazardous task. As quarries develop over time, they usually get deeper and the overall slope angle becomes steeper which can increase the risk of rockfalls. Stockpiles and waste dumps contain unconsolidated material which can be subject to collapse.

Geotechnical awareness and skills to recognise and manage potential rockfall and batter collapse hazards are necessary to achieve an acceptable level of risk. The best control for protecting people working near quarry faces is a development design that considers the site's particular geological, geotechnical and geohydrological characteristics. This course will help participants understand the the basis of how to mine the quarry.

Who should do the course?

The course is targeted at Quarry Managers and Quarry Supervisors.

Learning objectives:

- A working understanding of the causes of instability in soils and rocks in quarries
- The ability to identify the different types of slope failure
- An increased awareness of inspections and risk controls in relation to excavations, overburden dumps, stockpiles and tailings dams
- Understanding the roles and responsibilities of quarry workers for managing risks associated with geotechnical hazards
- Understanding the requirements of Principal Hazard Ground Control Management Plans

CPD hours: 7 hours - Technical Training. A completion certificate will be issued once finished

Delivery and Duration

Delivery is via a full day workshop. This may be delivered face to face or virtually (via a platform such as Team or Zoom).

Corporate booking: The IQA can arrange training for a corporate booking. If you would like to book delivery (either face to face or virtually) for your staff, please call the IQA on 02 9484 0577.

SUPPORTING EDUCATION MATERIAL

The IQA also offers a number of other courses to support knowledge of quarrying processes. Examples of these include:

- Quarry Products Technical Training
- Risk Management
- Hazard Identification
- Respirable Crystalline Silica

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For a full list of courses and resources visit www.quarry.com.au

GENERAL AWARENESS MATERIAL

The IQA has released a number of resources such as fact sheets and toolbox talks that support general awareness for the industry. These resources are designed to provide general background information and cover a number of topics such as RCS, stress, diversity and much, much more. Please visit the IQA website for more details.

FURTHER INFORMATION

The Institute of Quarrying Australia (IQA)

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www.quarry.com.au