

Fact sheet

Quarry manager practising certificate – 3-tier approach

February 2023

Changes to the issuing of quarry manager practising certificate

The NSW Resources Regulator, in consultation with the Mining and Petroleum Competence Board, has adopted a 3-tiered approach to the administration of the quarry manager practising certificate scheme. The previous system of production manager permits was replaced by practising certificates issued for specific quarries, which has been transitioned into the new 3-tier approach.

We recognise that many small and medium-sized quarrying operations have lower inherent hazard profiles than larger, more complex quarries. As such, the changes introduced provide a more efficient and less burdensome approach regarding standards and experience requirements for individuals who carry out the quarry manager statutory function.

The three-tiered approach

NSW quarries under the jurisdiction of the Resources Regulator are divided into 3 categories with the following requirements for exercising the quarry manager statutory function:

- Tier-1: quarry manager practising certificate attained on basis of holding certificate of competence.
- Tier-2: quarry manager practising certificate.
- Tier-3: competent person (no practising certificate required).

We will determine which category a quarry falls into by assessing the hazards at the site using the risk profiling tool. You can view the tool on our [website](#) and the mine operator may know which level tier quarry they are or can enquire with the Regulator (see further information at end of factsheet).

An individual applying to exercise the statutory function of a quarry manager will be required to meet specific experience and qualification criteria in order to be issued with a practising certificate.

Tier-1: Quarry manager practising certificate and certificate of competence

Tier-1 quarries are determined by the Resources Regulator using the risk profiling tool. Assessments are conducted for each quarry.

Tier-1 quarries will typically be large operations with principal mining hazards (e.g. multiple working benches, high walls, benching over 3 metres, drill and blast, complex vehicle operations, large fixed plant for crushing and processing) and sophisticated safety management systems.

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The following qualification criteria applies:

- A quarry manager at a tier-1 quarry will require a certificate of competence in order to obtain a practising certificate for this level.
- Practising certificate holders will be required to maintain competency in accordance with requirements published in the NSW Government Gazette and explained in the Guide to maintenance of competence.

Tier-2: Quarry manager practising certificate

Tier-2 quarries are determined by the Resources Regulator using the risk profiling tool. A tier-2 quarry will typically be medium-sized operations, where the principal mining hazards represent a medium risk.

The Resources Regulator are no longer accepting applications for practising certificates with a restriction to a specific mine or mines since on the 30 September 2022. Individuals can now apply for practising certificate that will allow them to exercise the statutory function at all tier-2 quarries. Applicants will be required to satisfy new experience and qualifications criteria.

Holders of specific tier 2 quarries practising certificates can continue to practise, request amendments and renew them until 1 October 2024. After this date they must show they have satisfied the condition to possess one of the prescribed qualifications for all tier 2 quarries listed below, or acceptable ones for vocational outcomes. A renewed or amended certificate may then be upgraded to apply to all tier 2 quarries.

For an individual to exercise the statutory function of quarry manager at any tier-2 quarry, they must hold a quarry manager practising certificate with a condition restricting them to all tier-2 quarries. To be eligible, applicants must meet the following qualification:

- **Experience:** The applicant must have at least two years' experience working in mining operations, which includes:
 - six months' experience in a mining operation with similar inherent hazards
 - six months' supervisory experience.

Evidence is to be provided by way of signed confirmation from employers in accordance with the requirements of the Resources Regulator. Note that the two years' experience may include one year's equivalent experience working in civil works.

- **Qualifications:** RII40120 Certificate IV in Surface Extraction Operations, or any of the following:
 - RII40113 or RII40115 Certificate IV in Surface Extraction Operations (superseded by but equivalent to RII40120 above).
 - Bachelor of Mining Engineering issued by an Australian university.
 - RII60120 Advanced Diploma of Metalliferous Mining issued by a registered training organisation (the superseded equivalent qualification RII60113 or RII60115 Advanced Diploma of Metalliferous Mining are acceptable).
 - RII60220 Advanced Diploma of Extractive Industries Management including the elective unit RIIBLA602E – Establish and maintain explosives safety and security management systems, issued by a registered training organisation (a superseded equivalent qualification and unit are acceptable).
 - RII50120 Diploma of Surface Operations Management issued by a registered training organisation (the superseded qualification RIIEER50113 or RII50115 Diploma of Surface Operations Management are acceptable or other equivalent superseded qualification).
 - Bachelor of Science issued by an Australian university and a Graduate Diploma in Mining Engineering issued by an Australian university.

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- Bachelor of Mechanical Engineering issued by an Australian university and evidence of study in mining subjects related to rock mechanics/mine slope stability and blasting.
- Bachelor of Civil Engineering issued by an Australian university and evidence of study in mining subjects related to rock mechanics/mine slope stability and blasting.
- **Qualifications:** Applicants must also have completed the competency unit RIIERR401E *Apply and monitor surface operations emergency preparedness and response systems* (the unit RIIERR401D or other equivalent superseded unit number is acceptable – refer to training.gov.au for other possibly equivalent ones)

or

- the competency unit RIIERR503D - Implement emergency preparedness and response systems (the superseded units RIIERR503A, or other equivalent superseded unit number is acceptable – training.gov.au)

or

the competency unit RIIERR601E Establish and maintain mine emergency preparedness and response systems (the superseded units RIIERR601D, or other equivalent superseded unit number is acceptable – training.gov.au).

Note: qualifications or units of competence with acceptable vocational outcomes may be accepted in lieu of the above – refer to [Guide to Quarry manager with conditions for tier 2 practising certificates](#).

A quarry manager practising certificate for all tier-2 quarries will contain a condition requiring the holder to undertake any maintenance of competency requirements published in the NSW Government Gazette. The requirements are set out in the [gazettal](#) for tier-2 quarry manager maintenance of competence requirements and in the [Guide to maintenance of competence for practising certificates](#) available on our [website](#). A total of 60 hours of recognised learning must be completed over the five years of the certificate, along with other requirements such as completing training in Learning from disasters.

- **Examination:** An applicant must be assessed as competent in a quarry manager written examination and oral examination conducted by the Resources Regulator:
 - The quarry manager written examination and oral examination, for individuals applying for a practising certificate to exercise the statutory function at a mine where blasting may take place, will include examinable content relating to explosives.

Applicants that meet the criteria above, and have been assessed as competent by the Resources Regulator, will be issued a practising certificate for 5 years with:

- a condition restricting the holder to a specific mine
- a condition that they must attain the qualifications for tier-2 quarry manager as published by notice of the Regulator in the Gazette before 1 October 2024. The eligible qualifications include the *RII40120 Certificate IV in Surface Extraction Operations*, together with the competency unit *RIIERR401E Apply and monitor surface operations emergency preparedness and response systems*. Other qualifications and units of competence with acceptable vocational outcomes may be accepted.

Tier-2 Quarry manager practising certificate after 30 September 2022

From 1 October 2022, we will cease to assess applicants that do not meet the new criteria and will no longer issue quarry manager practising certificates for a specified mine.

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Maintenance of competence

Quarry manager practising certificate holders for all tier-2 quarries are required to maintain competency. A condition is placed on the practising certificate that the holder must comply with any maintenance of competence condition published in the NSW Government Gazette. Guidance on requirements is available on our [website](#).

Tier-3: No practising certificate required

Tier-3 quarries are small low-risk quarrying operations who meet all the following criteria:

- has 5 or less workers (full-time equivalent), including the quarry manager and contractors
- does not conduct dredging or blasting (explosives) activities on the site
- does not extract more than 30,000 cubic metres of extractive material for sale or reuse per year.

Tier-3 quarries will typically be small, low-risk quarries. Mining methods may be similar to civil excavation and a simple safety management system is adequate. These sites may include borrow pits operated by local Councils, State Forests and National Parks.

The following qualification criteria applies:

- No practising certificate is required for an individual to carry out the function of a quarry manager at a tier-3 quarry. However, an operator at a tier-3 quarry must establish that the person carrying out the statutory function of quarry manager is competent.
 - Note a 'competent person' means a person who has acquired through training, qualification or experience, the knowledge and skills to carry out the task of supervising mining operations at a mine, other than an underground mine or a coal mine, having regard to the location of the mine, the complexity of the mining operations at the mine and the nature of the material mined.
- A competent person must be competent to perform the following functions:
 - supervise mining operations at the site, including contractors
 - manage WHS risks and their controls at the site
 - supervise implementation of a safety management system (SMS), including principal hazards and controls; and
 - monitor compliance with the SMS.
- No specific requirement for maintenance of competence. However, the competent person (quarry manager) is strongly encouraged to attend educational forums conducted by the Resources Regulator and others to stay aware of issues relating to safe operation of mines and changes to legislation.

Exemptions

The operator of a tier-3 quarry is exempt from complying with the following under the Work Health and Safety (Mines and Petroleum Sites) Regulation 2022:

- notifying the Resources Regulator of the identification and competency of the quarry manager at the commencement of mining operations (section 125(3)(g))
- notifying the Resources Regulator when there is a change to the details of the quarry manager (section 125(8)).

The operator of a tier-3 quarry may under section 180:

- nominate a competent person as quarry manager who does not hold a practising certificate

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- nominate a competent person as quarry manager who ceases to hold a practising certificate
- have a quarry manager who does not hold a practising certificate supervise mining operations.

An individual (the competent person) of a tier-3 quarry is exempt from complying with the following, under the Work Health and Safety (Mines and Petroleum Sites) Regulation 2022:

- holding a practising certificate to be a quarry manager at a tier-3 quarry (section 181)
- notifying the operator if they no longer hold a practising certificate (section 137).

In summary

- A holder of a quarry manager certificate of competence and practising certificate may exercise the statutory function at any tier-1, tier-2 or tier-3 quarry.
- A holder of a quarry manager practising certificate for tier-2 quarries may exercise the statutory function at any tier-2 or tier-3 quarry, but not a tier-1 quarry.
- A quarry manager practising certificate for a specified mine may only exercise the function at the specified mine.

The Resources Regulator will continue to maintain its program of proactive assessment and inspections and incident investigations at all levels of quarries.

Further information

For what tier level a quarry may be:

Refer to [Risk profiling tool](#) on our website.

Contact the Central assessment unit: cau@regional.nsw.gov.au

For how to apply for a practising certificate – Mining competencies and authorisations:

[Practising certificate requirements for Quarry Manager](#) and [Application for a practising certificate webpages](#)

Email: mca@regional.nsw.gov.au

Phone: 1300 814 609 (options 2 and then 3)

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