



EXAMINATION REPORT | CERTIFICATE OF COMPETENCE

Mining engineering manager - underground coal

16 October 2014

Examination panel report for exams held from July to October 2014

Summary of results and general comments

Applications

Number of applications: 26

Number of applications approved: 26

Written examination

Data

Date	Candidates	Passed all papers
23 & 24 July 2014	22	6

Statistics (out of 100 marks)

	Lowest mark	Highest mark	Average mark
Legislation	11	71	54
Ventilation	95	164	127
Coal Mining Practice	36	71	58

Comments

Legislation

- Candidates need to read the question carefully to ensure they understand the question and how to answer the question.
- Legible writing is a must in order for the examiners to read the answers.

Ventilation

- Candidates need to read the question carefully to ensure they understand the question and how to answer the question. It is the candidate responsibility to read the question thoroughly and answer the key points in detail.
- Legible writing is a must in order for the examiners to read the answers.
- If elements of the ventilation network appear to be impractical or you identify issues that would complicate the ventilating of the mine, candidates need to address this in their answer.



- Candidates need to give practical industry standard values and quantities (for example, daily tonnages and unit ventilation quantities) to validate their answers.
- Relatively easy marks can be obtained through marking up the mine plan provided, some candidates lost marks through lack of detail (poor use of ventilation device symbols and gas monitoring requirements).

Coal mining practice

- Candidates need to read the question carefully to ensure they understand the question and how to answer the question.
- Some candidates answered questions with an information dump without any organised structure to demonstrate the thought process and organisational skills required at a managers level.
- Some answers were too brief in answering the salient points; for example, when dealing with spontaneous combustion and indicators just mentioning CO or ratios is not enough information. What about the CO? When does the ratio become a concern? Candidates need to demonstrate knowledge and understanding of these and their application.
- Some candidates used generic or a motherhood statement approach to their answers which lacked detail of key points. This is not an adequate response to the question at mine manager level.
- Candidates need to adopt a comprehensive approach to their answers, giving knowledge of the entire operation not just individual tasks as an undermanager or coordinator would.

Oral examination

Data

Date	Eligible	Attempted Exam	Competent
10 October 2014	9	7	3

Comments

- The examination questions are real, practical and probable issues in the industry. Questions are not asked with the intention of entrapping the candidate.
- There was a distinct gap in knowledge between those who passed and the majority of those who did not pass.
- Those who passed demonstrated a sound knowledge of the areas required and the processes to be used from a manager's perspective with the selected questions.
- A variety of experience exposures including practical issues, management techniques and risk management would improve candidate's knowledge and confidence when undertaking these examinations.

More information

Business Processes & Authorisations

Phone: 4931 6625

Acknowledgments

Manager Examination Panel

© State of New South Wales through the Department of Trade and Investment, Regional Infrastructure and Services 2014. You may copy, distribute and otherwise freely deal with this publication for any purpose, provided that you attribute the NSW Department of Trade and Investment, Regional Infrastructure and Services as the owner.

Disclaimer: The information contained in this publication is based on knowledge and understanding at the time of writing (September 2016). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer of the NSW Department of Trade and Investment, Regional Infrastructure and Services or the user's independent advisor.

PUB14/307