

EXAM PAPER | CERTIFICATE OF COMPETENCE

Open cut examiner of coal mines other than underground

Examination Date: 25 August 2016 (mining legislation paper only)

OCE1 – Mining Legislation

This exam consists of only 4 questions. All four (4) questions are to be attempted. Candidates must provide reference to all relevant legislation. State all assumptions.

Question 1 (25 marks)

What does legislation require you to do in regards to the following incidents?

- A truck proceeded to reverse towards a dump tip head at slow speed, when the position 6 wheel came into contact with the blade of the dump dozer causing damage to the truck tyre and rim. (5 marks)
- A truck reversing onto a tip head of a 30m high dump goes through the dump windrow with positions 5 and 6 wheels and becomes stuck with a full load on. (5 marks)
- During high winds a metal roofing sheet comes loose from a conveyor gantry and lands in an empty light vehicle car park. The incident was reported by a person about to get in their car to leave for the day. (5 marks)
- A fitter fractures the tip of his finger when using a pinch bar when attempting to move an engine guard on a loader. The fingernail was also split during the incident which was required to be removed by the doctor. (5 marks)
- A dust quartz sample taken by an Occupational Hygiene Technician identified a shotfirer on your crew has exceeded the maximum allowable limit for respirable quartz. The final airborne dust sampling report has confirmed that the shotfirer in the sample recorded a result of 0.20mg/m³ Quartz. (5 marks)

Question 2 (25 marks)

You have been asked to assist in the development and implementation a Principal Hazard Management Plan to manage the risks of spontaneous combustion.

Summarise the **key points** in legislation that you would reference to develop and implement the plan. (25 marks)

Question 3 (25 marks)

Productive Earthmoving Contractors Pty Ltd has been engaged to develop an initial box cut in a new satellite pit at your mine. The contractor will be using a 350t backhoe excavator, five Cat 789 trucks, three D10 dozers, a 16M grader and 777 watercart. Skilled operators will be supplied by the contractor that will be working a five day, 10.5 hour dayshift roster. All drill and blast activities will conducted by existing mine personnel and equipment.

Your task is to supervise the small box cut project.

Identify all requirements for this project to meet site and legislative requirements. State assumptions and provide reference to relevant legislative requirements and examples of site documents. (25 marks)

Question 4 (25 marks)

Without notice a Union Official arrives at your site on a Saturday afternoon claiming that he wishes to enter site to inquire into a suspected contravention of the act that he feels is urgent.

- a) Can this person enter site to do this? If so, what are the legislative requirements that may allow this to occur? (10 marks)
- b) While on site the WHS permit holder instructs you to pull up the entire operation while he conducts his enquiry. There is no evidence of imminent risk to persons to justify this request and it would cause significant and unreasonable disruption to the operation. What does the legislation state in regards to this? (5 marks)
- c) By whom and under what circumstances can an application be made to revoke a WHS entry permit? (10 marks)

More information

The Mining Competence Team

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Acknowledgments

The open cut examiner of coal mines other than underground examination panel

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PUB16/424