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OCE1 - Legislation

OPEN CUT EXAMINER OF COAL MINES OTHER THAN UNDERGROUND COAL MINES

EXAMINATION FOR CERTIFICATE OF COMPETENCE

Work Health and Safety (Mines and Petroleum Sites) Act 2013 Work Health and Safety (Mines and Petroleum Sites) Regulation 2022

Legislation to be assessed:

Unless otherwise stated all references to Act and Regulations are to:

Work Health and Safety Act 2011

Work Health and Safety Regulation 2017

Work Health and Safety (Mines and Petroleum Sites) Act 2013

Work Health and Safety (Mines and Petroleum Sites) Regulation 2022

Explosives Act 2003

Explosives Regulation 2013

This Examination is held in the following location:

Region: New South Wales

Venue: Kurri Kurri TAFE

Room: Auditorium (Hall)

Start date/time: 14 Jun 2023 09:00:00

OCE1 – Legislation

INSTRUCTIONS TO CANDIDATES

Q #	Marks	Available Marks	Marked by Initials	Summary comments to justify
1		25		
2		25		
3		25		
4		25		
Paper Total		100		Marks checked by:

EXAM BOKLET

Answers are to be written in the allocated spaces within this booklet ONLY

Answers must be written in pen however, drawings may be completed in pencil

This booklet is not to be altered in any way, pages are not to be added or removed

Additional space is provided at the end of the paper. Please label which question the answer relates to.

Question 1

a. What must the Mine Operator take into account when making arrangements for the regular inspection of working environments? (5 marks)
b. As part of an Inspection Plan, the statutory function of an open cut examiner represents a key role. Deta the requirements of an Inspection Plan that apply to an open cut coal mine. (10 marks)

c. You are an appointed OCE, who works at open cut coal mine that operates 24 hours a day, 7 days a weel As part of your shift handover process, there are specific legal requirements regarding a system of								
communication. Detail these requirements. (10 marks)								
Question 2								
a. In your own words, describe what is a notifiable incident? (5 marks)								

b. What are the duties of a Mine Operator or PCBU in relation to reporting notifiable incidents? (5 marks)
c. What is required by the Mine Operator or PCBU in relation to incident site preservation? (5 marks)
d. You are an OCE on night shift and at 1.30am you receive a call from an excavator operator informing you that he has exposed a detonator lead and booster in the dig face.
i. Summarise the immediate steps you would take as an OCE to manage this incident to meet legislative and site safety management system requirements. (5 marks)

ii. Outline what type of incident this is, as well as the relevant section in the WHSMP Regulations. (5 marks)
Question 3
a. List the 3 types of health and safety representatives which are applicable to an open cut coal mine. (3 marks)
b. Outline the legislated powers or functions of a SSHR. (10 marks)

a With regards to Industry Safety and Health Depresentatives:
c. With regards to Industry Safety and Health Representatives:
i. What additional powers or functions do they have compared to a SSHR? (3 marks)

ii. Explain 3 instances when they can enter and inspect a coal mine? (3 marks)
d. Does a SSHR have the authority to cease work at a coal mine? Explain why/why not. (6 marks)

Question 4

a. List the Principal Control Plans required for an open cut mine site. (5 marks)
b. The legislation sets out numerous hazards that the Health Control Plan must address. List these hazards. (5 marks)
c. With regards to fitness for work, what are the 3 key aspects the mine operator must consider when managing risks to health and safety? (5 marks)

d. Recent changes to the legislation set out matters which mine operators must have regard to when determining control measures for psychosocial risks. List some typical workplace hazards that may occur on your shift and potentially cause a risk of psychosocial harm. (10 marks)								

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CANDIDATE NUMBER:

OPEN CUT EXAMINER OF COAL MINES OTHER THAN UNDERGROUND COAL MINES

EXAMINATION FOR CERTIFICATE OF COMPETENCE

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Explosives Regulation 2013

This Examination is held in the following location:

Region: New South Wales

Venue: Kurri Kurri TAFE

Room: Auditorium (Hall)

Start date/time: 14 Jun 2023 11:10:00

OCE2 – Practical Open Cut Operations

INSTRUCTIONS TO CANDIDATES

Q #	Marks	Available Marks	Marked by Initials	Summary comments to justify
1		50		
2		50		
3		50		
4		50		
Paper Total		200		Marks checked by:

EXAM BOKLET

Answers are to be written in the allocated spaces within this booklet ONLY

Answers must be written in pen however, drawings may be completed in pencil

This booklet is not to be altered in any way, pages are not to be added or removed

Additional space is provided at the end of the paper. Please label which question the answer relates to.

Question 1



You are the OCE beginning a day shift at a large open-cut coal mine which uses a dragline, hydraulic excavators, loaders, and a mixed fleet of haul trucks.

The dragline has recently exposed a strip of coal beneath the bench it is sitting on, which is critical to meet the monthly coal target. An excavator and truck fleet have now commenced mining the coal. The excavator is approximately 80m away from the dragline.

a. As part of your pre-shift briefing to the crew, what are five key hazards you would be highlighting for this work area? (5 marks)
During the shift, a rubber tyre dozer doing floor clean-up nearby the excavator calls you on the two-way and says that there is some significant cracking and heave in the floor.
b. What are your immediate actions? (10 marks)

After assessing the situation, your MEM has asked you to develop a plan to safely continue mining in the area. There is approximately 3 shifts of coal remaining.
c. Outline how you would do this and discuss any key control measures that would be implemented as part of your plan. (25 marks)

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d. Outline what has likely caused the floor heave? (10 marks)	
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Question 2
You are an OCE who has just accepted a role with an Open Cut mine that is mining through old underground workings. Board and Pillar extraction was conducted in multiple seams with multiple pass in several seams during the underground operation which has now ceased. The remaining coal is being extracted via open cut operations.
As part of your induction and onboarding to site, you are required to review and familiarise yourself with the site's SMS.
The Standard Operating Procedure (SOP) for working in and around underground workings outlines identified hazards and controls.
a. List the hazards you would expect associated with working in and around underground workings? (13 marks)

b. List the controls you would expect to eliminate or control the identified hazards. (13 marks)

c. An area in the advancing strip has successfully been blasted from the defined safe standoff of 15 metres for the targeted seam, and collapse of the roadways has been confirmed. Overburden depth is 15 metres and targeted coal seam is 4 metres thick.		
i. Describe how you would mine the waste and expose the coal using excavator and truck operations. Use diagrams it required. (8 marks)		

ii. Describe how you would mine the coal. Use diagrams if required. (8 marks)	
	13

d. Describe what you would be monitoring as part of your regular workplace inspections in areas with underground

workings (8 marks)
Question 3
While descending a ramp a loaded 220t haul truck fails a steering arm causing it to lose control, turn sharply to the left and make contact with a windrow. The truck has pushed through the windrow and position 1 tyre is on the crest of a 20m high wall. You are the OCE on nightshift and were unable to reach the MEM via phone.
a. Explain what your immediate course of action is? (10 marks)

b. Explain what the notification requirements are for this type of incident? (5 marks)		
recover the haul		ne phone, who then asks you to conduct a risk assessment to safely ney make their way to site. Detail below the key job steps, associated . (25 marks)
Job Step	Hazard	Control

Job Step	Hazard	Control

Job Step	Hazard	Control

d. Outline any actions as a result of the incident that should commence during your shift? (10 marks)
Question 4
You are the OCE on day shift running 4 excavators with a fleets of trucks in an open-cut coal operation. There are als drill rigs and associated blast-loading teams in your production area. Toward the end of the shift, you receive a call o the radio that there is an engine fire on an MMU on a main haul road in the open cut. The call comes from the MMU operator.
a. Outline the immediate steps you would take. (20 marks)

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b. What type of incident is this, and why? Include legislation it is notified under, as well as relevant notification	
requirements. (10 marks)	
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c. What initial information would you gather to use in the investigation? (5 marks)
d. Assuming the scene is secure, list some typical information and controls the oncoming OCE would include as part of their pre-shift briefing to the oncoming crew. (15 marks)

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