MPQMG31
Store materials derived from mining operations

Overview

This standard states the skills, knowledge and understanding required to store material derived from mining operations. It includes the interpretation of information, setting up, operating and shutting down the machinery, including the selection and use of materials, components or equipment required for the operation of the material storage system, in a safe, healthy and efficient manner.

This function will in most cases be completed in conjunction with the operation of plant or equipment.

The standard applies to any mineworker whose functions include responsibility for storing materials derived from mining, for example run of mine mineral, processed mineral, dimension stone, waste mineral or rock. Storage may be above or below ground, in tips or stockpiles, or in storage facilities.

Performance criteria

You must be able to:

P1 carry out work activities according to **approved policies, procedures and practices,** and **operational instructions**

P2 agree with others the required work activity

P3 check the availability and suitability of the **resources** required for the operation of the **material storage system**, and completion of the work

P4 confirm that the **material storage system** is safe and ready for the work activity

P5 load materials into the **material storage system**

P6 monitor and adjust the loading operation or work plan to complete the work activity within the limits of your personal responsibility

P7 carry out the work minimising risks to yourself, others, plant and machinery and the work environment

P8 report according to organisational requirements

Knowledge and understanding

You need to know and understand:

K1 the organisational **approved policies, procedures and practices** as appropriate to the work activity

K2 the hazards and risks associated with the work activity, how they affect yourself, others and the work environment, and how they are controlled

K3 the organisational information, communications and reporting arrangements relating to the work activity

K4 the **resources** required to support the work activity, their uses, how to check them, and how to secure, store or dispose of after use

K5 the **operational instructions** for the **material storage system**

K6 the operational capacity and limitations of the **material storage system**

K7 how to monitor the **material storage system**

K8 how to confirm that the mined material or waste is put in correct location

K9 the actions to be taken when the storage location is nearing capacity

K10 how to prevent contamination of stored materials

K11 how to protect mined materials from environmental conditions

K12 the effect extended storage periods may have on the mined product

K13 when and why adjustments to the **material storage system**, and the work activity may be required

K14 the actions to be taken in the event of damage, breakdown or unsatisfactory performance of plant, machinery, equipment or resources required for material storage activities

K15 problems that can occur with the **material storage system**, and how to respond to them

K16 the limits of your personal responsibility

Additional information

Scope/range

1 **approved policies, procedures and practices**: legislative, organisational, operational, accident or emergency, health and safety, first aid, and environmental as appropriate to the mine, material storage system and work activity

2 **resources**: tools; equipment; utilities and services; consumables; attachments; replaceable parts; other resources as appropriate to the work activity and material storage system

3 **material storage system**: must provide performance and knowledge evidence in relation to one or more of; tips and stockpiles, silos, bays, storeroom, staples, bunkers, sumps, other specialist storage facilities as appropriate to the mine and mineral

4 **operational instructions** for starting, operating, adjusting, shutting down (in routine and emergency situations), and securing after completion of the work activity

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Developed by	MPQC
Version number	1
Date approved	February 2014
Indicative review date	December 2019
Validity	Current
Status	Original
Originating organisation	MPQC
Original URN	MPQMG31
Relevant occupations	Mineworker; Coal Mining Operatives
Suite	Mining Operations
Key words	mine; mining; mineral; waste; store; processing; tip; stockpile; silo; bunker; extract; underground; coal