MPQMG11
Prepare mining plant or machinery for operational performance

Overview

This standard is about the skills knowledge and understanding required to prepare mining plant, machinery and equipment for operational performance. This operation, usually referred to as “pre-start checks”, should be carried out prior to the operation of any type of plant, machinery or equipment in order to comply with the managements engineering scheme for the mine and current legislation. Pre-start checks are essential to reduce accidents lost time and costs arising from breakdowns and inefficient or unsafe plant performance.

This standard applies to all mining personnel who operate mining plant or machinery.

Performance criteria

You must be able to:

- P1 obtain and interpret information related to preparing the plant or machinery
- P2 confirm sufficient **resources** are available to support the work activity
- P3 check the suitability of the available **resources**
- P4 check that the plant or machinery is correctly positioned for preparation and inspection
- P5 organise the work area to minimise risks
- P6 carry out pre-start checks
- P7 carry out work in compliance with **approved policies, procedures and practices**
- P8 store **resources** and dispose of waste in accordance with **approved policies, procedures and practices**
- P9 deal with defective **resources** or defective plant or equipment in accordance with **approved policies, procedures and practices**
- P10 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 organisational information, communications and reporting arrangements relating to the work activity

K3 how to interpret manufacturers' and organisational information, relating to the work activity

K4 why, how and how frequently pre-start checks must be carried out

K5 the **resources** required to complete or support the work activity, their uses, how to check them, and how to secure, store or dispose of them after use

K6 how to use resources required to carry out pre-start checks

K7 the types of problems and faults that can be identified by pre-start checks, how they can be identified, and how to respond to them

K8 the hazards and risks associated with the work activity, how they can affect yourself, others or the environment, and how they are controlled

K9 what, when and why additional personal protective equipment should be used in preparing plant or machinery

K10 the problems that can occur when carrying out pre-start checks and how to respond to them

K11 the consequences of ineffective preparation of plant or machinery

K12 the limits of your own personal responsibility

K13 reporting procedures on completion of the work

Additional information

Scope/range

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

2 **resources:** tools and equipment, consumables, attachments, replacement parts and other resources as appropriate to the work activity

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