

OCCUPATIONAL HEALTH AND SAFETY ACT 2000

Notice under Clause 112A of Occupational Health and Safety Regulation 2001

Requirements for Design Registration of Braking System on Plant Used in Underground Transport (TBS)

I, ROBERT REGAN, Chief Inspector under the Coal Mine Health and Safety Act 2002, pursuant to Clause 112A of the Occupational Health and Safety Regulation 2001 (the Regulation), by this notice, specify the requirements set out in the Schedule below as the requirements that must be met prior to braking systems on plant used in underground transport in an underground mine at a coal workplace (referred to in this notice as braking systems) being registered under Subdivision 1 of Division 3 of Part 5.2 of the Regulation.

Dated this 29th day of January 2007.

ROBERT REGAN,
Chief Inspector,
NSW Department of Primary Industries
(by delegation)

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SCHEDULE

1. Design requirements

All braking systems must be designed, manufactured, tested and supplied in accordance with the relevant requirements of:

- (a) MDG 39:2001 Handbook for the assessment of transport braking systems on free-steered vehicles in underground coal mines, and
- (b) the Department of Primary Industries published amendment No. 1 to MDG 39, December 2006, and
- (c) MDG 2:1991 Design and construction of locomotives.

2. Assessment

The following documents must be provided for assessment with the application under clause 107 of the Regulation for registration of plant design:

- (a) a detailed description of the braking system,
- (b) all drawings and other documents as required to clearly identify the braking system, including the braking system compliance plate,
- (c) test certificates on the brake performance as required by MDG 2 or MDG 39 as amended,
- (d) documentation as specified in MDG 2 or Section 4 of MDG 39 as amended.
- (e) a design risk assessment and analysis of the failure modes of the braking systems.
- (f) a requirement by requirement assessment against MDG 2 or MDG 39 as amended by the design verifier which clearly shows how the braking system complies with the specified requirements.
- (g) details of operational instructions for the braking system, and
- (h) details of life cycle (within the meaning of the Coal Mine Health and Safety Regulation 2006) maintenance instruction for the braking system.

OCCUPATIONAL HEALTH AND SAFETY ACT 2000

Notice under Clause 112A of Occupational Health and Safety Regulation 2001

Requirements for Design Registration of Conveyor Belts used in Underground Mines

I, ROBERT REGAN, Chief Inspector under the Coal Mine Health and Safety Act 2002, pursuant to Clause 112A of the Occupational Health and Safety Regulation 2001 (the Regulation), by this notice, specify the requirements set out in the Schedule below, as the requirements that must be met prior to conveyor belts used in underground mines at a coal workplace (referred to in this notice as conveyor belts) being registered under Subdivision 1 of Division 3 of Part 5.2 (as modified by Schedule 4A) of the Regulation.

Dated this 24th day of January 2007.

ROBERT REGAN,
Chief Inspector,
NSW Department of Primary Industries
(by delegation)

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SCHEDULE

1.0 Design Requirements

All conveyor belting used in underground coal mines must meet the requirements of AS 4606:2000, 'Fire resistant and antistatic requirements for conveyor belting used in underground coal mines'.

2.0 Testing Requirements

All testing must be carried out by:

- (a) A laboratory or testing authority in Australia that is unrelated to the belting manufacturer/supplier and is accredited for the test by the National Association of Testing Authorities Australia (NATA), or
- (b) A laboratory or testing authority acceptable to the Chief Inspector.

3.0 Performance

The following tests must be carried out at intervals not exceeding five (5) years or whenever there is a change in the supply of the raw products or a change in the manufacturing process:

- (a) Combustion propagation characteristics (Gallery test), refer clause 7.1 of AS 4606:2000.
- (b) Ignition and maximum surface temperature of belting subject to friction (Drum friction test), refer clause 7.2 of AS 4606:2000.
- (c) Ignition and flame propagation characteristics (Finger burn test), refer clause 7.3 of AS 4606:2000.
- (d) Oxygen index, refer clause 7.4 of AS 4606:2000.
- (e) Resistivity, refer clause 7.5 of AS 4606:2000.

4.0 Assessment

The following documents (or documents containing the following information) must be provided for assessment with the application under clause 107 of the Regulation for registration of plant design:

- (a) identification of the conveyor belting including a reference to the conveyor belting formulation,
- (b) identification of the major constituents of the conveyor belting,