

WORK HEALTH AND SAFETY (MINES AND PETROLEUM SITES) REGULATION 2022

Registration of Conveyor Belting Design Order 2022

I, **Garvin Burns**, Chief Inspector, with the delegated authority of the Secretary, Regional NSW, pursuant to section 187(5) of the Work Health and Safety (Mines and Petroleum Sites) Regulation 2022, make the following Order.

Dated this 29th day of August 2022

Garvin Burns
Chief Inspector
Regional NSW

1. Name of Order

This Order is the *Registration of Conveyor Belting Design Order 2022*.

2. Commencement

This Order commences on the day it is published in the NSW Government Gazette.

3. Interpretation

In this Order:

Australian Standard or AS is a reference to a standard published by or on behalf of Standards Australia.

4. Revocation

The *Registration of Conveyor Belting Design Order 2018* published in the NSW Government Gazette No.134 of 7 December 2018 at pages 9253-9254 is revoked.

5. Design requirements

- 5.1. Except as provided in paragraph 5.3, all conveyor belting used in underground coal mines must be designed to be fire resistant and antistatic. The designer must specify the published technical standards, or the engineering principles used to identify controls, in the order of the hierarchy of risk controls in Part 3.1 of Work Health and Safety Regulation 2017, incorporated in the design.
- 5.2. Where a design does not fully comply with the requirements in paragraph 5.1, the designer must specify the published technical standards or the

engineering principles used to identify controls, in accordance with the hierarchy of risk control measures in Part 3.1 of the Work Health and Safety Regulation 2017, that have been incorporated in the design to achieve at least an equivalent level of safety as the requirements of paragraph 5.1.

- 5.3. If the design of conveyor belting that is registered under Part 5.3 of the Work Health and Safety Regulation 2017 is altered and the alteration may affect health or safety:
- (a) the altered parts of the conveyor belting must be designed to comply with the design requirements in paragraphs 5.1-5.2 of this Order
 - (b) an assessment must be undertaken, and documented, by the designer to assess the impact that the design alteration has on unaltered parts of the conveyor belting.
 - (c) where the assessment undertaken in paragraph 5.3(b) shows there has been a reduction in the effectiveness of existing control measures of any other parts of the conveyor belting, that is, there has been a detrimental effect on health and safety caused by the alteration, these parts must comply with the design requirements in paragraphs 5.1 – 5.2 of this Order.
 - (d) any parts of the conveyor belting which are not affected by the alteration must continue to comply with the design requirements of the design order that was in effect on the date that the registration for the design of the conveyor belting was granted.

6. Testing and performance requirements

- 6.1. Except as provided in paragraph 6.2, all conveyor belting used in underground coal mines must be tested and retested, in accordance with the requirements of clauses 5.2 and 5.3 'Type testing' and clause 6.3 'Retesting for type tests' of AS 4606-2012 Grade S fire resistant and antistatic requirements for conveyor belting and conveyor accessories as amended from time to time.
- 6.2. If the design of conveyor belting that is registered under Part 5.3 of the Work Health and Safety Regulation 2017 is altered, and the alteration may affect health or safety, the altered parts of conveyor belting, including those parts that may have been redesigned due to detrimental effects identified in the assessment undertaken in paragraph 5.3(b) above, must be tested and meet the performance requirements in paragraph 6.1 of this Order.
- 6.3. Conveyor belts must comply with the requirements of Grade S conveyor belting as set out in AS 4606-2012.
- 6.4. Despite the performance requirements of clause 6.1.3 of AS 4606-2012, 'ignitability and maximum surface temperature of belting subjected to friction (Drum friction test)', conveyor belts for use in applications where they are too

inflexible to wrap around the drum, need not comply with those requirements, provided:

- (a) it can be demonstrated that it is not reasonably practicable to comply, and
- (b) specify the published technical standards, or the engineering principles used to identify controls, in the order of the hierarchy of risk controls in Part 3.1 of the Work Health and Safety Regulation 2017, to protect from the risk of heating of the conveyor belt due to belt slip and/or friction between the conveyor belt and a metal object.
- (c) any parts of the conveyor belting which are not affected by the alteration must continue to comply with the performance requirements of the design order that was in effect on the date that the registration for the design of the conveyor belting was granted.

7. Test facility

- 7.1. The test facility used for testing conveyor belting must be a test facility which is independent of the designer, manufacturer or supplier.
- 7.2. The test facility must have test equipment, with calibration traceable to the International System of Units (SI) by reference to national measurement standards, quality processes and work methods for performing the specific tests described in the standards referred to in this Order. This must be demonstrated through:
 - (a) accreditation by the National Association of Testing Authorities (NATA); or
 - (b) where demonstrated to the regulator that a NATA-accredited facility is not available,
 - (i) through accreditation by an organisation that is a signatory to the ILAC MRA (International Laboratory Accreditation Cooperation Mutual Recognition Arrangement); or
 - (ii) a suitably qualified and experienced testing facility along with past test experience with conveyor belting, which has been independently audited within the last 2 years.

8. Determination of applications for registration of design made before commencement of this Order

If an application for the registration of design of conveyor belting made in accordance with clause 250 of the Work Health and Safety Regulation 2017 to which the standards specified in the Registration of Conveyor Belting Design Order 2018 applies is made before the commencement of this Order, and the application has not been finally determined before that commencement, the application is to be determined as if this Order had not commenced.