

SCHEDULE 1

Article 12

PART 4

MEASURES TO BE TAKEN IN RESPECT OF DANGEROUS SUBSTANCES

1. In applying measures to control risks the responsible person must, in order of priority—
 - (a) reduce the quantity of dangerous substances to a minimum;
 - (b) avoid or minimise the release of a dangerous substance;
 - (c) control the release of a dangerous substance at source;
 - (d) prevent the formation of an explosive atmosphere, including the application of appropriate ventilation;
 - (e) ensure that any release of a dangerous substance which may give rise to risk is suitably collected, safely contained, removed to a safe place, or otherwise rendered safe, as appropriate;
 - (f) avoid—
 - (i) ignition sources including electrostatic discharges; and
 - (ii) such other adverse conditions as could result in harmful physical effects from a dangerous substance; and
 - (g) segregate incompatible dangerous substances.
2. The responsible person must ensure that mitigation measures applied in accordance with article 12(3)(b) include—
 - (a) reducing to a minimum the number of persons exposed;
 - (b) measures to avoid the propagation of fires or explosions;
 - (c) providing explosion pressure relief arrangements;
 - (d) providing explosion suppression equipment;
 - (e) providing plant which is constructed so as to withstand the pressure likely to be produced by an explosion; and
 - (f) providing suitable personal protective equipment.
3. The responsible person must—
 - (a) ensure that the premises are designed, constructed and maintained so as to reduce risk;
 - (b) ensure that suitable special, technical and organisational measures are designed, constructed, assembled, installed, provided and used so as to reduce risk;
 - (c) ensure that special, technical and organisational measures are maintained in an efficient state, in efficient working order and in good repair;
 - (d) ensure that equipment and protective systems meet the following requirements—
 - (i) where power failure can give rise to the spread of additional risk, equipment and protective systems must be able to be maintained in a safe state of operation independently of the rest of the plant in the event of power failure;
 - (ii) means for manual override must be possible, operated by employees competent to do so, for shutting down equipment and protective systems incorporated within

Changes to legislation: The Regulatory Reform (Fire Safety) Order 2005, PART 4 is up to date with all changes known to be in force on or before 15 April 2024. There are changes that may be brought into force at a future date. Changes that have been made appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- automatic processes which deviate from the intended operating conditions, provided that the provision or use of such means does not compromise safety;
- (iii) on operation of emergency shutdown, accumulated energy must be dissipated as quickly and as safely as possible or isolated so that it no longer constitutes a hazard; and
- (iv) necessary measures must be taken to prevent confusion between connecting devices;
- (e) where the work is carried out in hazardous places or involves hazardous activities, ensure that appropriate systems of work are applied including —
 - (i) the issuing of written instructions for the carrying out of work; and
 - (ii) a system of permits to work, with such permits being issued by a person with responsibility for this function prior to the commencement of the work concerned.

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Changes and effects yet to be applied to the whole Instrument associated Parts and Chapters:

Whole provisions yet to be inserted into this Instrument (including any effects on those provisions):

- art. 9A inserted by [2022 c. 30 s. 156\(4\)](#)