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## DECISION

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25 September 2013

### 1. Summary

#### Application to Amend the Site and Storage Conditions for Aerosols 2006

Application code	APP201806
Application type	To amend Group Standards under Section 96B(3) of the Hazardous Substances and New Organisms Act 1996 ('the Act')
Applicant	Environmental Protection Authority (EPA)
Purpose of the application	To amend the Site and Storage Conditions for Aerosols 2006
Date application received	18 June 2013
Consideration date	19 September 2013
Considered by	A decision-making Committee of the EPA (the Committee): Kerry Laing (Chair) Helen Atkins
Decision	The Site and Storage Conditions Aerosols 2006 is amended as described in <b>Section 7</b> .

### 2. Background

- 2.1. The Site and Storage Conditions for Aerosols (2006) ("the Conditions"), set out the site and storage conditions for flammable (class 2.1.2A) and non-flammable aerosols. The Conditions are incorporated into 12 group standards by reference and form part of those group standards (see Appendix A).
- 2.2. This document describes a set of amendments to the Conditions.
- 2.3. The amendments described in this document are necessary because there are no alternatives to the requirement in clause 25 of the Conditions for a three metre separation between a hazardous substance location holding more than 3000 litres aggregate water capacity of flammable aerosols and the boundary of an area of high intensity land use even though compliance with the alternative requirements would mitigate the adverse

effects of bulk storage of aerosols in the same way as the three metre separation requirement.

### 3. Process and consultation

#### Public notification

- 3.1. In accordance with section 96C(1)(h) of the Act, the proposals to amend the Site and Storage Conditions were publicly notified on 19 June 2013 in the following manner:
  - The proposals were posted on the EPA website; and
  - Relevant government agencies, industry associations and other interested parties were directly notified.
- 3.2. All parties were given an opportunity to make submissions. Submissions closed on 17 July 2013.
- 3.3. The following parties made submissions in response to the notification of the proposed amendments:
  - Leigh-Anne Peake, Quality Environmental Consulting Ltd;
  - Martin Carlyle, Damar Industries Ltd;
  - Philip Fleming, Aerosol Association of New Zealand Inc.; and,
  - Dulux New Zealand.
- 3.4. The Ministry for Business, Innovation and Employment also provided information incorporated into the final set of recommended proposal.
- 3.5. A summary of submissions incorporating the EPA staff (the “staff”) responses to submissions received is available as a separate document.

### 4. Staff recommendations on the proposed amendments

- 4.1. The staff prepared a consideration paper<sup>1</sup> to aid the Committee in its decision-making process. The consideration paper addressed the matters referred to in sections 96B and 96C of the Act, and took account of the submissions received during the consultation period.
- 4.2. The consideration paper also included staff recommendations to the Committee on each of the proposed amendments. The paper and recommendations will be made available to all parties and posted on the EPA website. There was no public hearing requested for this amendment.

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<sup>1</sup> All documents relating to this application can be found on the EPA website:

## 5. Consideration

5.1. The proposed amendments to the Site and Storage Conditions for Aerosols were considered by the decision making Committee comprising Dr Kerry Laing (Chair), and Ms Helen Atkins.

5.2. The documents<sup>2</sup> available to the Committee comprised:

- the Consideration paper;
- the Group Standards incorporating the Site and Storage Conditions by reference;
- the proposed draft of amendments to clause 25 of the Site and Storage Conditions for Aerosols; and,
- the Summary of Submissions.

## 6. The Committee decision on the proposed amendments

6.1. After taking into account the information provided by submitters and the staff recommendations, the Committee came to a decision on each of the proposed amendments. These decisions are detailed below.

### Proposal 1:

#### **Delete Part 2 'Conditions Relating to the Unintended Ignition of Flammable Aerosols not Located at a Hazardous Substance Location'**

6.2. This deletion was proposed because Part 2 has no material effect. The aggregate quantity triggering the separation control is also the trigger quantity for the requirement to have a hazardous substance location.

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<sup>2</sup> All documents relating to this application can be found on the EPA website:

## Proposal 2:

### Amend the wording of clauses 25(1) and (2) as follows:

Current wording	Proposed wording
<p>(1) This clause applies to a building that holds flammable aerosols, at a hazardous substance location, the capacity of which exceeds 3,000 L aggregate water capacity.</p> <p>(2) If the controlled zone containing a building to which this clause applies abuts an area of high intensity land use, the building must be separated from the boundary of the controlled zone by not less than 3 m.</p>	<p>(1) This clause applies to a hazardous substance location and a controlled zone established under clause 24 (1).</p> <p>(2) Any hazardous substance location to which clause 25(1) relates must be separated from an area of high intensity land use by a controlled zone that separates the hazardous substance location and the area of high intensity land use by a distance of not less than 3 metres unless one of the following circumstances set out in clauses 25(3) – 25(6) apply.</p> <p>(2A) If the circumstances set out in clauses 25(3) – 25(6) apply, the hazardous substance location may be separated from the area of high intensity land use by a distance of less than three metre or may abut the area of high intensity land use with no controlled zone between the hazardous substance location and the area of high intensity land use.</p>

6.3. This amendment was proposed in order to avoid duplicating the trigger levels provided in clause 18 and the requirements for establishing a controlled zone provided in clause 24. The amended clauses 25(2) and (2A) also provide for the alternative requirements to be complied with as set out in clauses 25(3) – 25(6).

### Proposal 3:

#### **New clause 25(3) The hazardous substance location holds up to and including 10,000 litres aggregate water capacity of flammable aerosols.**

##### **Proposed wording**

- (3) The hazardous substance location holds up to and including 10,000 litres aggregate water capacity of flammable aerosols and one of the following circumstances apply:
- a) the building or the room which is a hazardous substance location, has fire rated walls and floor of FRR 60/60/60, self-closing fire rated doors of FRR -/60/60 **and either**:
    - i) fire rated parapets of FRR 60/60/60 extending 0.6 metres above the roofline; **or**
    - ii) fire rated ceiling panels of FRR -/60/60 extending back into the room by 2.4 metres from the wall abutting the boundary of the area of high intensity land use: **or**
  - b) the building or the room which is a hazardous substance location has fire protection as per NZS 4541; **or**
  - c) the hazardous substance location is in a general purpose warehouse used for receiving storing and distributing mixed goods including flammable aerosols, but is not a warehouse for the primary purpose of storing hazardous substances, is not accessible by the general public, and the flammable aerosols in the general purpose warehouse are separated from the rest of the warehouse by **either**:
    - i) fire rated walls and floor of FRR 60/60/60 and self-closing fire rated doors of FRR -/60/60; **and either**:
      - (1) fire rated parapets of FRR 60/60/60 extending 0.6 metres above the roofline; **or**
      - (2) fire rated ceiling panels of FRR -/60/60 extending back into the room by 2.4 metres from the wall; **or**
    - ii) chain-link fencing from floor to roof of 2.9 millimetres or 9 gauge steel wire with a maximum 50 millimetres diamond mesh, with self-closing gates or labyrinth openings of overlapping chain link fencing, and fire protection as per NZS 4541.

- 6.4. This proposal is to add aerosol storage arrangements up to and including 10,000 litres aggregate water capacity, that enable the three metre separation distance to be reduced down to zero metre separation therefore removing the requirement to have a controlled zone.

## Proposal 4:

**New clause 25(4) The hazardous substance location holds more than 10,000 litres and up to and including 100,000 litres aggregate water capacity of flammable aerosols.**

### Proposed wording

- 4) The hazardous substance location holds more than 10,000 litres and up to and including 100,000 litres aggregate water capacity of flammable aerosols and one of the following circumstances apply:
- a) the building or the room which is a hazardous substance location has fire rated walls and floor of FRR 120/120/120, self-closing fire rated doors of FRR -/120/60 **and either**
    - i) fire rated parapets of FRR 120/120/120 extending 0.6 metres above the roofline; **or**
    - ii) fire rated ceiling panels of FRR -/120/120 extending back into the room by 2.4 metres from the wall abutting the boundary of the area of high intensity land use; **or**
  - b) the building or the room which is a hazardous substance location has fire rated walls and floor of FRR 60/60/60, self-closing fire rated doors of FRR -/60/60, has fire protection as per NZS 4541 **and either:**
    - i) fire rated parapets of FRR 60/60/60 extending 0.6 metres above the roofline, **or**
    - ii) fire rated ceiling panels of FRR -/60/60 extending back into the room by 2.4 metres from the wall abutting the boundary of the area of high intensity land use; **or**
  - c) the hazardous substance location is in a general purpose warehouse used for receiving, storing and distributing of mixed goods including flammable aerosols, but is not a warehouse for the primary purpose of storing hazardous substances, and is not accessible by the general public, and the flammable aerosols are separated from the rest of the warehouse by **either:**
    - i) fire rated walls and floor of FRR 120/120/120 and self-closing fire rated doors of FRR -/120/60 **and either:**
      - (1) fire rated parapets of FRR 120/120/120 extending 0.6 metres above the roofline; **or**
      - (2) fire rated ceiling panels of FRR -/120/120 extending back into the room by 2.4 metres from the wall; **or**
    - ii) chain-link fencing from floor to roof of 2.9 millimetres or 9 gauge steel wire with a maximum 50 millimetres diamond mesh, with self-closing gates or labyrinth openings of overlapping chain link fencing, and fire protection as per NZS 4541.

- 6.5. This proposal is to add aerosol storage requirements for situations where more than 10,000 litres and up to and including 100,000 litres aggregate water capacity of flammable aerosols are stored. When these requirements are complied with, the three metre separation distance may be reduced down to zero metres separation.

## Proposal 5:

**New clause 25(5) The hazardous substance location holds more than 100,000 litres aggregate water capacity of flammable aerosols.**

### Proposed wording

- 5) The hazardous substance location holds more than 100,000 litres aggregate water capacity of flammable aerosols and one of the following circumstances apply:
- a) the building or the room which is a hazardous substance location has fire rated walls and floor of FRR 240/240/240, fire rated parapets of FRR 240/240/240 extending 0.6 metres above the roofline, and self-closing fire rated doors of FRR -/240/60, **or**
  - b) the building or the room which is a hazardous substance location has fire rated walls and floor of FRR 120/120/120, fire rated parapets of FRR 120/120/120 extending 0.6 metres above the roofline, self-closing fire rated doors of FRR -/120/60, and has fire protection as per NZS 4541; **or**
  - c) the hazardous substance location is in a general purpose warehouse used for receiving, storing and distributing of mixed goods including flammable aerosols, but is not a warehouse for the primary purpose of storing hazardous substances, and is not accessible by the general public, and the flammable aerosols are separated from the rest of the warehouse by **either**:
    - i) fire rated walls with parapets of FRR 240/240/240 extending 0.6 metres above the roofline and floor of FRR 240/240/240 and self-closing fire rated doors of FRR -/240/60; **or**
    - ii) chain-link fencing from floor to roof of 2.9millimetres or 9 gauge steel wire with a maximum 50millimetres diamond mesh, with self-closing gates or labyrinth openings of overlapping chain link fencing, and fire protection as per NZS 4541.

- 6.6. This proposal is to add aerosol storage requirements for situations where more than 100,000 litres aggregate water capacity of flammable aerosols are stored. When these requirements are complied with, the three metre separation distance may be reduced down to zero metres separation.

## Proposal 6:

### New clause 25(6) Previous approval under the Dangerous Goods (Class 2 Gases) Regulations.

#### Proposed wording

- 6) A test certificate may be issued for a hazardous substance location holding up to and including 10,000 litres aggregate water capacity for flammable aerosols if the test certifier is satisfied that:
- a) the hazardous substance location has previously received a licence in accordance with regulation 116(2)(a) of the Dangerous Goods (Class 2 Gases) Regulations; **and**
  - b) the building or the room which is a hazardous substance location has **either**:
    - i) floor, walls and roof constructed of non-combustible materials; **or**
    - ii) full fire protection from an automatic sprinkler system.

6.7. This proposal is to add provision for aerosol storages with up to and including 10,000 litres aggregate water capacity, that were approved under the provisions of the Dangerous Goods (Class 2 Gases) Regulations 1984 that enabled the three metre separation distance to be reduced down to zero separation, to continue to be approved.

## Proposal 7:

### New definition.

#### Proposed wording

**Fire resistance rating (FRR)**, in relation to an object or item, means that the object or item is able to maintain its stability, insulation, and integrity, and is able to offer protection against heat radiation for the time specified by the relevant rating in minutes, where stability, insulation, and integrity, respectively, have the meanings ascribed to them in clause A2 of Schedule 1 of the Building Regulations 1992.

6.8. This proposal is to define “fire resistance rating”, a term introduced by the amendments.

## Proposal 8:

### Corrected definition.

#### Proposed wording

##### **area of high intensity land use—**

(a) includes—

(i) an area of regular habitation;

(ii) a structure made of or containing combustible materials that would sustain a significant fire;

(iii) a high density traffic route;

(b) does not include a small office constructed of non-combustible materials associated with a hazardous substance location that is used by persons authorised to be at the location by the person in charge of that location.

6.9. This proposal is to formally incorporate the correct definition of the term “high intensity land use” into the ‘Conditions’ to align with the definition in Schedule 10 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 (as amended). This is the applicable definition for managing the effects of unintended ignition.

## Proposal 9:

### New definition.

#### Proposed wording

**NZS 4541** refers to the New Zealand standard for “Automatic Fire Sprinkler Systems”.

6.10. This proposal is to define the reference “NZ4541”, a term introduced by the amendments.

## Proposal 10:

### Consequential amendment to the applicable Aerosol Group Standards required to update the reference to the Site and Storage Conditions.

6.11. This proposal is to amend the group standards listed in Appendix A to refer to the amended version of Site and Storage Conditions.

## Committee Decision

- 6.12. The Committee agreed with the staff recommendations and the scope of the Group Standard will be modified as described in Proposals 1 -10. These amendments will take effect 28 days after notification in the Gazette.

## 7. Matters to be considered by the Committee

- 7.1. The Committee considered the relevant matters set out Section 96C of the Act.
- 7.2. Section 96C(1)(a), and (e)(ii) requires that the EPA must be satisfied that:
- a. The amending of the Group Standard is a more efficient and effective way of managing the risks of all the hazardous substances in the identified group; and
  - b. All of the hazardous substances in the identified group have a similar nature, are of a similar type, or have similar circumstances of use, such that the risks of the group of hazardous substances can be effectively managed by one set of conditions.
- 7.3. In addition, the EPA must consider the best international practices and standards for the safe management of the hazardous substances and the types of controls that are appropriate for the Group Standard in accordance with sections 77, 77A and 77B of the Act.
- 7.4. Section 7 of the Act requires all persons exercising functions, powers and duties under the Act to take into account the need for caution in managing adverse effects where there is scientific and technical uncertainty about those effects.
- 7.5. The Committee has examined the analysis of the above matters provided in the Consideration Paper section 5 and considers the amendments meet the requirements of 7.2 and 7.3 above. The matters in 7.1 and 7.4 are examined below.

### Managing uncertainty

- 7.6. The Committee considered that the proposed amendments are consistent with the need for caution in managing adverse effects where there is scientific and technical uncertainty about those effects.

### Achieving the purpose of the Act

- 7.7. The purpose of the Act is to protect the environment, and the health and safety of people and communities, by preventing or managing the adverse effects of hazardous substances and new organisms (section 4 of the Act).
- 7.8. In order to achieve the purpose of the Act, when considering this application the Committee recognised and provided for the following principles:
- the safeguarding of the life-supporting capacity of air, water, soil and ecosystems; and

- the maintenance and enhancement of the capacity of people and communities to provide for their own economic, social and cultural well-being and for the reasonably foreseeable needs of future generations.
- 7.9. The Committee took into account the following matters when considering this application in order to achieve the purpose of the Act:
- The sustainability of all native and valued introduced flora and fauna;
  - The intrinsic value of ecosystems;
  - Public health;
  - The relationship of Māori and their culture and traditions with their ancestral lands, water, sites, waahi tapu, valued flora and fauna, and other taonga;
  - The economic and related benefits and costs of using a particular hazardous substance or new organism;
  - New Zealand's international obligations;
  - The need for caution in managing adverse effects where there is scientific and technical uncertainty about those effects; and
  - The principles of the Treaty of Waitangi (Te Tiriti o Waitangi).
- 7.10. The Committee is satisfied that this decision is consistent with the purpose of the Act and the above principles and matters. Any substantive issues arising from the legislative criteria have been discussed in the preceding sections of this decision.

## 8. Notice of Amendment

- 8.1. A formal notice of the amendments to the Site and Storage Conditions for Aerosols will be published in the New Zealand Gazette.
- 8.2. Pursuant to section 96B(6) of the Act, as soon as practicable after issuing or amending a Group Standard, the EPA must:
- a. publish the amendment in a publication relevant to the affected persons; and
  - b. make the amendment available to be inspected free of charge and purchased at a reasonable price; and
  - c. give public notice of where the amendment can be inspected or purchased.
- 8.3. These requirements will be met by the amended Site and Storage Conditions for Aerosols, showing the amendments approved, being available directly from the EPA and also on the EPA website.

## 9. Decision

- 9.1. This decision to amend the Site and Storage Conditions for Aerosols 2006 was determined in accordance with sections 96B and 96C of the Act, taking into account the relevant matters in Part 2 of the Act.
- 9.2. The Committee, in accordance with sections 96B and 96C of the Act, approved the amendments to the Site and Storage Conditions for Aerosols 2006 set out in Appendix B and directed that this decision be issued by notice in the *New Zealand Gazette* as required under the Act.
- 9.3. The Committee considered it appropriate that these amendments come into force 28 days from the date of publication in the *Gazette*.



Date: 25 September 2013

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**Kerry Laing**  
Chair, Decision Making Committee  
Environmental Protection Authority

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## Appendix A: Group standards incorporating by reference 'Site and Storage Conditions – Aerosols'

The following group standards incorporate the site and storage conditions for aerosols:

Group standard approval number	Description
HSR002514	Corrosive (aerosols)
HSR002515	Flammable aerosols
HSR002516	Flammable Corrosive aerosols
HSR002517	Flammable Toxic aerosols
HSR002518	Non hazardous (aerosols)
HSR002519	Subsidiary hazard (aerosols)
HSR002520	Toxic (6.7) (aerosols)
HSR100628	Pheromones
HSR002552	Cosmetic products
HSR100575	Veterinary Medicines; Limited Pack Size, Finished Dose
HSR100758	Veterinary Medicines; Non dispersive, Closed system
HSR100759	Veterinary Medicines; Non dispersive, Open system

## Appendix B: The Amended 'Site and Storage Conditions – Aerosols'

### 25 Separation of hazardous substances location holding flammable aerosols from area of high intensity land use

- (1) This clause applies to a hazardous substance location and a controlled zone established under clause 24 (1).
- (2) Any hazardous substance location to which clause 25(1) relates must be separated from an area of high intensity land use by a controlled zone that separates the hazardous substance location and the area of high intensity land use by a distance of not less than 3 metres unless one of the following circumstances set out in clauses 25(3) – 25(6) apply.
- (2A) If the circumstances set out in clauses 25(3) – 25(6) apply, the hazardous substance location may be separated from the area of high intensity land use by a controlled zone of a distance of less than 3 metres or may abut the area of high intensity land use with no controlled zone between the hazardous substance location and the area of high intensity land use.

### The hazardous substance location holds up to and including 10,000 litres aggregate water capacity of flammable aerosols

- (3) The hazardous substance location holds up to and including 10,000 litres aggregate water capacity of flammable aerosols and one of the following circumstances apply;
  - a. the building or the room which is a hazardous substance location, has fire rated walls and floor of FRR 60/60/60, self-closing fire rated doors of FRR -/60/60 **and either**;
    - i. fire rated parapets of FRR 60/60/60 extending 0.6 metres above the roofline;
    - or**
    - ii. fire rated ceiling panels of FRR -/60/60 extending back into the room by 2.4 metres from the wall abutting the boundary of the area of high intensity land use; **or**
  - b. the building or the room which is a hazardous substance location has fire protection as per NZS 4541; **or**
  - c. the hazardous substance location is in a general purpose warehouse used for receiving storing and distributing mixed goods including flammable aerosols, but is not a warehouse for the primary purpose of storing hazardous substances, is not accessible by the general public and the flammable aerosols in the general purpose warehouse are separated from the rest of the warehouse by **either**;
    - i. fire rated walls and floor of FRR 60/60/60 and self-closing fire rated doors of FRR -/60/60 and **either**;
      - A. fire rated parapets of FRR 60/60/60 extending 0.6 metres above the roofline; **or**

- B. fire rated ceiling panels of FRR -/60/60 extending back into the room by 2.4 metres from the wall; **or**
- ii. chain-link fencing from floor to roof of 2.9 millimetres or 9 gauge steel wire with a maximum 50 millimetres diamond mesh, with self-closing gates or labyrinth openings of overlapping chain link fencing, and fire protection as per NZS 4541.

**The hazardous substance location holds more than 10,000 litres and up to and including 100,000 litres aggregate water capacity of flammable aerosols**

- (4) The hazardous substance location holds more than 10,000 litres and up to and including 100,000 litres aggregate water capacity of flammable aerosols and one of the following circumstances apply:
- a. the building or the room which is a hazardous substance location has fire rated walls and floor of FRR 120/120/120, self-closing fire rated doors of FRR -/120/60 **and either**
    - i. fire rated parapets of FRR 120/120/120 extending 0.6 metres above the roofline; **or**
    - ii. fire rated ceiling panels of FRR -/120/120 extending back into the room by 2.4 metres from the wall abutting the boundary of the area of high intensity land use; **or**
  - b. the building or the room which is a hazardous substance location has fire rated walls and floor of FRR 60/60/60, self-closing fire rated doors of FRR -/60/60, has fire protection as per NZS 4541 **and either**:
    - i. fire rated parapets of FRR 60/60/60 extending 0.6 metres above the roofline, **or**
    - ii. fire rated ceiling panels of FRR -/60/60 extending back into the room by 2.4 metres from the wall abutting the boundary of the area of high intensity land use; **or**
  - c. the hazardous substance location is in a general purpose warehouse used for receiving, storing and distributing of mixed goods including flammable aerosols, but is not a warehouse for the primary purpose of storing hazardous substances, and is not accessible by the general public, and the flammable aerosols are separated from the rest of the warehouse by **either**;
    - i. fire rated walls and floor of FRR 120/120/120 and self-closing fire rated doors of FRR -/120/60 **and either**;
      - A. fire rated parapets of FRR 120/120/120 extending 0.6 metres above the roofline; **or**
      - B. fire rated ceiling panels of FRR -/120/120 extending back into the room by 2.4 metres from the wall; **or**

- ii. chain-link fencing from floor to roof of 2.9 millimetres or 9 gauge steel wire with a maximum 50 millimetres diamond mesh, with self-closing gates or labyrinth openings of overlapping chain link fencing, and fire protection as per NZS 4541.

**The hazardous substance location holds more than 100,000 litres aggregate water capacity of flammable aerosols**

- (5) The hazardous substance location holds more than 100,000 litres aggregate water capacity of flammable aerosols and one of the following circumstance apply:
- a. the building or the room which is a hazardous substance location has fire rated walls, parapets extending 0.6 metres above the roofline and floor of FRR 240/240/240 and self-closing fire-rated doors of FRR -/240/60; **or**
  - b. the building or the room which is a hazardous substance location has fire rated walls, parapets extending 0.6 metres above the roofline and floor of FRR 120/120/120 and self-closing fire rated doors of -/120/60 and the building or the room has fire protection as per NZS4541; **or**
  - c. The hazardous substance location is in a general purpose warehouse used for receiving, storing and distributing of mixed goods including flammable aerosols, but is not a warehouse for the primary purpose of storing hazardous substances, and is not accessible by the general public, and the flammable aerosols are separated from the rest of the warehouse by **either**:
    - i. fire rated walls, parapets extending 0.6 metres above the roofline and floor of FRR 240/240/240 and self-closing fire rated doors of FRR -/240/60; **or**
    - ii. chain-link fencing from floor to roof of 2.9 millimetres or 9 gauge steel wire with a maximum 50 millimetres diamond mesh, with self-closing gates or labyrinth openings of overlapping chain link fencing, and fire protection as per NZS 4541.

**Previous approval under the Dangerous Goods (Class 2 Gases) Regulations**

- (6) A test certificate may be issued for a hazardous substance location holding up to and including 10,000 litres aggregate water capacity of flammable aerosols if the test certifier is satisfied that
- a. The hazardous substance location has previously obtained an approval from an Inspector in accordance with regulation 116(2)(a) of the Dangerous Goods (Class 2 Gases) Regulations; **and**
  - b. The room or building which is a hazardous substance location has **either**:
    - i. floor, walls and roof substantially constructed of non-combustible materials; **or**
    - ii. full fire protection from an automatic sprinkler system.

## Interpretation

- **area of high intensity land use—**
  - (a) includes—
    - (i) an area of regular habitation;
    - (ii) a structure made of or containing combustible materials that would sustain a significant fire;
    - (iii) a high density traffic route;
  - (b) does not include a small office constructed of non-combustible materials associated with a hazardous substance location that is used by persons authorised to be at the location by the person in charge of that location.
- **fire resistance rating (FRR)**, in relation to an object or item, means that the object or item is able to maintain its stability, insulation, and integrity, and is able to offer protection against heat radiation for the time specified by the relevant rating in minutes, where stability, insulation, and integrity, respectively, have the meanings ascribed to them in clause A2 of Schedule 1 of the Building Regulations 1992.
- **NZS 4541** refers to the New Zealand standard “Automatic Fire Sprinkler Systems”.

## Consequential Amendment

- Amend the Group Standards listed in Appendix A to refer to the Amended Site and Storage Conditions - Aerosols.