

(7) Sampling pipes shall be provided with an arrangement for periodically purging with compressed air.

Dated at Wellington this 31st day of October 1989.

W. P. JEFFRIES, Minister of Transport.  
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### **The Shipping (Portable Foam Applicator Units) Notice 1989**

Pursuant to section 235 of the Shipping and Seamen Act 1952, the Minister of Transport hereby gives the following notice.

#### **Notice**

**1. Title and commencement**—(1) This notice may be cited as the Shipping (Portable Foam Applicator Units) Notice 1989.

(2) This notice shall come into force on the 1st day of November 1989.

**2. Performance Standard prescribed**—The Performance Standard set out in the Schedule to this notice is hereby prescribed for the purposes of the Shipping (Fire Appliances) Regulations 1989.

#### **Schedule**

##### ***Performance Standard for Portable Foam Applicator Units***

1. Every portable foam applicator unit shall be provided with:

(1) an induction type of air foam nozzle capable of being connected to the fire main by means of a fire hose;

(2) a portable tank containing at least 20 litres of foam concentrate from which the nozzle specified at sub-paragraph (1) of this paragraph can induce the contents;

(3) a spare tank identical to that specified at sub-paragraph (2) of this paragraph.

2. The nozzle whilst being supplied at the minimum hydrant pressure on the ship permitted by the Codes of Practice issued under the Shipping (Fire Appliances) Regulations 1989 (Codes of Practice) shall be capable of producing effective foam suitable for extinguishing an oil fire at the rate of at least 1.5 cubic metres per minute.

3. The ratio of the volume of foam produced to the volume of foam solution shall not exceed 12 to 1.

Dated at Wellington this 31st day of October 1989.

W. P. JEFFRIES, Minister of Transport.  
lu20

### **The Shipping (Fixed Gas Fire Extinguishing Systems) Notice 1989**

Pursuant to section 235 of the Shipping and Seamen Act 1952, the Minister of Transport hereby gives the following notice.

#### **Notice**

**1. Title and commencement**—(1) This notice may be cited as the Shipping (Fixed Gas Fire Extinguishing Systems) Notice 1989.

(2) This notice shall come into force on the 1st day of November 1989.

**2. Performance Standard prescribed**—The Performance Standard set out in the Schedule to this notice is hereby prescribed for the purposes of the Shipping (Fire Appliances) Regulations 1989.

#### **Schedule**

##### ***Performance Standard for Fixed Gas Fire Extinguishing Systems***

**1. General**—(1) Fire extinguishing systems shall not contain an extinguishing medium which either itself or under expected

conditions of use gives off toxic gases in such quantities as to endanger personnel.

(2) (a) In every such system provided for the injection of fire extinguishing medium into any compartment for fire extinguishing purposes, the pipes for conveying the medium shall be provided with control valves or cocks which shall be so placed that they will be easily accessible and not readily cut off from use by an outbreak of fire within the protected compartment. Such control valves or cocks shall be permanently marked to indicate clearly the compartments to which the pipes are led.

(b) Where cargo spaces fitted with a gas extinguishing system for fire protection are used as passenger spaces the extinguishing connection shall be blanked during service as a passenger space.

(c) Suitable provisions shall be made to prevent inadvertent admission of the medium to any compartment.

(3) The piping for the distribution of fire extinguishing medium shall be arranged and discharge nozzles so positioned that uniform distribution of medium is obtained.

(4) Means shall be provided to close all openings which may admit air to or allow gas to escape from a protected space.

(5) Where the volume of free air contained in air receivers in any space is such that, if released in such space in the event of fire, such release of air within that space would seriously affect the efficiency of the fixed fire extinguishing system, an additional quantity of fire extinguishing medium shall be provided.

(6) Means shall be provided for automatically giving audible warning of the release of fire extinguishing medium into any space in which personnel normally work or to which they have access. The alarm shall operate for a suitable period before the medium is released.

(7) The means of control of any fixed gas fire extinguishing system shall be readily accessible and simple to operate and shall be grouped together in as few locations as possible at positions not likely to be cut off by a fire in a protected space. At each location there shall be clear instructions relating to the operation of the system having regard to the safety of personnel.

(8) Automatic release of fire extinguishing medium shall not be permitted except as provided by clause 3(1)(e) and in respect of local automatically operated units referred to in clause 3(2) and 3(3) of this Performance Standard.

(9) Where the quantity of extinguishing medium is required to protect more than one space, the quantity of medium available need not be more than the largest quantity required for any one space so protected.

(10) Except as otherwise permitted by clause 3(1), 3(2) and 3(3) of this Performance Standard, pressure containers required for the storage of fire extinguishing medium shall be located outside protected spaces in accordance with clause 1(12) of this Performance Standard.

(11) The storage containers and associated pressure components shall be constructed of suitable material and shall be of efficient design and sufficient strength having regard to their locations and maximum ambient temperatures expected in service.

(12) When the fire extinguishing medium is stored outside a protected space, it shall be stored in a room which shall be situated in a safe and readily accessible position and shall be effectively ventilated to the satisfaction of the Chief Surveyor. Any entrance to such a storage room shall be from the open deck and in any case shall be independent of the protected space. Access doors shall open outwards, and bulkheads and decks including doors and other means of closing any opening therein, which form the boundaries between such rooms and adjoining enclosed spaces shall be gastight. For the purpose of the application of the integrity tables in the Codes of Practice