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NSAI Standards

Irish Standard
I.S. 3216 : PART 2 : 1989

Code of Practice for the Bulk Storage of Liquefied Petroleum Gas

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Amendment
I.S. 3216:PART 2/A3:1998

Code of Practice for the Bulk Storage of Liquefied Petroleum Gas

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AMENDMENT

NO. 3: 1998

OF

STANDARD SPECIFICATION (CODE OF PRACTICE FOR THE BULK STORAGE OF LIQUEFIED PETROLEUM GAS)

DECLARATION, 1989

IRISH STANDARD 3216:Part 2 : 1989

NSAI in exercise of the power conferred by section 16 (5) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Code of Practice for the Bulk Storage of Liquefied Petroleum Gas) Declaration, 1989 (Amendment) No. 3 : 1998.

2. Irish Standard 3216:Part 2:1989 set out in the Schedule to the Standard Specification (Code of Practice for the Bulk Storage of Liquefied Petroleum Gas) indicated in the Schedule hereto.

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SCHEDULE

Delete Clauses 4.5 (Piping) and 4.6 (Underground pipes) and substitute the following:

'4.5 Piping

4.5.1 Piping shall be properly designed and constructed with due regard to low temperature service. The materials used shall be suitable for use with LPG. Cast iron should not be used. Pipes conveying propane vapour shall be constructed from materials suitable for use at temperature down to -20 ° C.

4.5.2 Detailed advice on piping for use with LPG can be found in LP Gas Association COP No. 22. All piping at full vessel pressure and all pipes carrying liquid should be designed and constructed to an acceptable standard such as ANSI B31.3 (See also 4.6.1 for underground piping).

4.5.3 Joints in piping shall be kept to a minimum. Jointing compounds for screwed connections and joint rings shall be suitable for use with LPG (Ref. B.S. 6956 or equivalent). Where piping has screwed joints which may be subject to vibration, consideration should be given to tack welding to prevent them from coming loose.

4.5.4 To prevent the accumulation of static electricity, metal piping should be electrically continuous so that the resistance to earth of the installation does not exceed 10^6 ohms. In practice a value of less than 100 ohms is readily attainable and is unlikely to deteriorate with time to a level above 10^6 ohms unless the plant is subject to serious corrosion. Reference shall be made to B.S. 5958 or equivalent for further information.

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