PETROLEUM AND NATURAL GAS REGULATORY BOARD

NOTIFICATION

New Delhi, the 16th December 2014

F. No. M (I)/T4S/CGD/1/2010 - In exercise of the powers conferred by section 61 of the Petroleum and Natural Gas Regulatory Act, 2006 (19 of 2006), the Petroleum and Natural Gas Regulatory Board hereby makes the following regulations to amend the Petroleum and Natural Gas Regulatory Board (Technical Standards and Specifications including Safety Standards for City or Local Natural Gas Distribution Networks) Regulations, 2008, namely:-

1. Short title and commencement.

(1) These regulations may be called the Petroleum and Natural Gas Regulatory Board (Technical Standards and Specifications including Safety Standards for City or Local Natural Gas Distribution Networks) Amendment Regulations, 2014.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Petroleum and Natural Gas Regulatory Board (Technical Standards and Specifications including Safety Standards for City or Local Natural Gas Distribution Networks) Regulations, 2008,-

(A) in Schedule 1C, under heading PIPING SYSTEM COMPONENTS, in point (e), under Fittings other than Valves and Flanges, for the words beginning with “For fusion fitting upto 63 mm,……” and ending with “…..clamp shall be used.”, the following shall be substituted, namely:-

“For fusion fitting upto 63 mm, the entity may consider usage of fusion fittings with integral fixation device. However, external alignment clamp shall be used for all sizes.”;

(B) in Schedule 1D, under heading STEEL PIPE, in paras 2 and 3 under Additional Requirement for Nominal Wall Thickness, for the words beginning with “In any case minimum ....” and ending with “…….reduced to ALARP (As low as reasonably possible). “, the following shall be substituted, namely:-

“In any case minimum nominal thickness of pipe permitted as per this standard shall be 6.4 mm for pipe size 4 inch nominal dia. and above, irrespective of the grade of the pipe material.

In all existing cases where thickness of pipe is less than 6.4 mm for pipe size 4 inch and above, Quantitative Risk Assessment shall be carried out and the risk level shall be reduced to ALARP (As low as reasonably possible).

For both aboveground and underground pipe size less than 4 inch nominal dia., the minimum nominal thickness shall be as per table below:
Minimum Pipe Wall Thickness
(Ref ASME B36.10 M)

<table>
<thead>
<tr>
<th>NPS</th>
<th>Identification</th>
<th>Schedule No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>XS</td>
<td>80</td>
</tr>
<tr>
<td>0.75</td>
<td>XS</td>
<td>80</td>
</tr>
<tr>
<td>1</td>
<td>XS</td>
<td>80</td>
</tr>
<tr>
<td>1.5</td>
<td>XS</td>
<td>80</td>
</tr>
<tr>
<td>2</td>
<td>XS</td>
<td>80</td>
</tr>
<tr>
<td>3</td>
<td>STD</td>
<td>40</td>
</tr>
</tbody>
</table>

(C) in Schedule 1G, under the heading ODOURISATION, in para 2 for the words beginning with "A pre-determined quantity....." and ending with "....dosed into the gas stream.", the following shall be substituted, namely:—

"A pre-determined quantity of suitable odorant shall be dosed into the gas stream. The dosing should be such that it is safe for human as well as materials and equipments used in CGD system."

K. Rajeswara Rao, OSD (R)

Foot Note: Principal regulations were notified vide No. G.S.R. 612(E), dated 27th August, 2008 subsequently amended vide G.S.R. 750 (E) dated 14.10.2009.