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**TITLE:**                                **SUPPORTING GAS SERVICE  
REGULATORS AND METERS**

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**REVISIONS:**    (See ★)            1) This is a new specification



# Gas Operations Standards

**TITLE: SUPPORTING GAS SERVICE  
REGULATORS AND METERS**

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<b>PREPARED BY:</b>	<b>APPROVED BY:</b>	<b>DATE:</b>	<b>VOLUME: 3</b>	<b>PAGE 1 OF</b>
<b>G. Ludwig</b>	<b>Lois Westfall General Manager Technical Operations</b>	<b>6/20/06</b>	<b>Metering Specs and Procedures</b>	<b>3 PAGES</b>



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1.0 **SCOPE**

This specification covers the design and installation considerations to be used for gas meter set installations.

2.0 **LEGAL REQUIREMENTS**

None.

3.0 **GAS METER SET SUPPORTS (INCLUDING PIPE STANDS)**

- 3.1 Care should be taken to ensure that the meter sets and piping are not installed under stress.
- 3.2 Where practical, the outside portion of the meter set, including associated piping, should be designed so that damage to the meter set due to outside forces will not cause leakage inside a building.
- 3.3 When possible, use prefabricated meter bars to support the meter set.
- 3.4 Swing joint piping techniques may be used to reduce the problems of piping stress and for ease of installation. For pipe sizes up to 1-1/4" where meter bars are not installed for piping support, it is common industry practice to use swing joint piping.
- 3.5 Screwed metallic joints on pipe over 4" in diameter are difficult to assemble without leakage at these joints. Welded steel joints should be considered on piping larger than 4".
- 3.6 Piping should be supported to minimize stress on the regulator body, meter case, and piping. Appropriate blocking, pads, stands, brackets, and hangers should be used as necessary. Supports for horizontal steel piping should be spaced so that the distances listed in Table 1 are not exceeded.
- 3.7 Reasonable precautions, such as increased pipe wall thickness, may be taken to protect the meter set assembly or service regulator from natural or other hazards.

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3.0 **GAS METER SET SUPPORTS (INCLUDING PIPE STANDS)** (Continued)

Table 1 Maximum Horizontal Support Spacing for Steel Piping

Nominal Pipe Size (Inches)	Maximum Support Spacing (Feet)
1/2	6
3/4 or 1	8
1-1/4 through 2	10
Larger than 2	See MSS SP-58

4.0 **PIPE STANDS**

4.1 Insulating material must be installed between the pipe stand support and the pipe to be supported, so that the pipe never makes contact with the support.

4.2 When constructing pipe stands, refer to EO-7043.

5.0 **REFERENCE SPECIFICATIONS**

MSS SP-58 - Manufacturers Standardization Society Standard for Pipe Hangers and Supports - Materials, Design and Manufacture