

Section .07-5(a) – The Definitions found in this Section and Reference ASME B31.1 apply

Section .07-10 – Piping and Pressure Relief System shall meet the requirements of this Section and be designed to meet the requirements listed in ASME B31.1

Section .10-5 – Piping will Comply with this Section. Where used nonmetallic (Plastic pipe) used is subject to the conditions described in Sec. 56.60-25 and the USCG Statement on Plastic Pipe “Submissions for STP

Type Approval for eventual certification to the standards of either IMO MEPC.159(55) or 46 CFR Type II 159.015 (inspected vessels) which propose the use of non-metallic materials must meet the standards of IMO Resolution A.753(18) as required by 46 CFR 159.97 and 46 CFR 56.60-25(a). However, we (the USCG) have identified that non-metallic piping meeting the applicable fire testing requirements prescribed by A.753(18) is not currently commercially available. Until non-metallic materials meeting IMO A.753(18) are available, where the use of non-metallic piping materials is proposed, our office will provisionally permit the use of plastic piping having a flame spread rating (FSR) of 25 or less if the material is CPVC, or a FSR of 20 or less for other plastic piping materials, when tested in accordance with ASTM E 84 or UL 723.”

Section .15 – Fittings shall comply with this Section and Referenced ASME B31.1, ASME Boiler and Pressure Vessel Code, and MSS SP-25 as applicable.

Section .20 – Valves shall comply with this Section and Referenced ASME B31.1, ASME Boiler and Pressure Vessel Code, ASME B16.34, API 607, MSS SP-45 and MSS SP-25 as applicable.

Section .25 – Flanges shall comply with this Section and Referenced ASME Boiler and Pressure Vessel Code, ANSI/ASME B1.1, MSS SP-25, ASME B31.1, ASME B18.2.1, ASME/ANSI B18.2.2, ASME B16.5, ASTM A 307 and MSS SP-6 as applicable.

Section .50-85 – Tank-vent piping shall comply with this Section as applicable.

Section .60 – Acceptable materials and specifications. All material used shall comply with this Section (tables -1(a) and/or (b)) and Referenced ASME B31.1, ASME Boiler and Pressure Vessel Code, ASTM A 520, ANSI/ASME B1.1, ANSI/ASME B1.20.1, ANSI/ASME B1.20.3, ANSI/ASME B16.15, ASME B16.1, ASME B16.3, ASME B16.4 ASME B16.5, ASME B16.9, ASME B16.10, ASME B16.11, ASME B16.14, ASME B16.18, ASME B16.20, ASME B16.21, ASME B16.22, ASME B16.23, ASME B16.24, ASME B16.25, ASME B16.28, ASME B16.29, ASME B16.34, ASME B16.42, ASME B18.2.1, ASME/ANSI B18.2.2, ASME B31.1, ASME B36.10M, ASME B36.19M, ASTM F 682, ASTM F 1006, ASTM F 1007, ASTM F 1020, ASTM F 1120, ASTM F 1123, ASTM F 1139, ASTM F 1172, ASTM F 1173, ASTM F 1199, ASTM F 1200, ASTM F 1201, FCI 69-1, MSS - SP-6, SP-9, SP-25, SP-44, SP-45, SP-51, SP-53, SP-55, SP-58, SP-61, SP-67, SP-69, SP-72, SP-7 and SP-83 as applicable.

Materials shall meet the applicable requirements listed in Section .60-2 through .60-25 and Referenced Standards as applicable.

46 CFR Part 110 (Subchapter J)

Section .25 – Electrical installations. The Manufacturer shall supply sufficient detailed drawings to ensure that the STP can be installed correctly. The provisions of this Section are for the installation of the STP and its inspection once installed.

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|  |            |             |                    |                             | <b>TITLE:</b>                       |
|  |            |             |                    |                             | <b>PROJECT:</b>                     |
|  |            |             |                    |                             | <b>APPROVED BY:</b>                 |
|  |            |             |                    | <b>DATE DRAWN</b> 5-1-2008  | <b>DOCUMENTATION</b>                |
|  |            |             |                    | <b>SCALE</b> 1 1/2" = 1'-0" | <b>USCG-1002<br/>DRAWING NUMBER</b> |
|  |            |             |                    |                             | <b>LATEST REVISION</b>              |