

## CHAPTER 12

### FUEL PIPING

#### 1201.0 Scope of Gas Piping.

- (A) Coverage of piping systems shall extend from the point of delivery to the connections with each gas utilization device. For other than undiluted liquefied petroleum gas systems, the point of delivery shall be considered the outlet of the service meter assembly, or the outlet of the service regulator or service shutoff valve where no meter is provided. For undiluted liquefied petroleum gas systems, the point of delivery shall be considered the outlet of the final pressure regulator, exclusive of the line gas regulators in the system. [NFPA 54:1.1.1.1(A)]
- (B) Piping systems requirements shall include design, materials, components, fabrications, assembly, installation, testing inspection, operation, and maintenance. [NFPA 54:1.1.1.1(C)]
- (C) This code shall not apply to the following [NFPA 54:1.1.1.2]:
  - (1) Portable LP-Gas appliances of all types that are not connected to a fixed fuel piping system.
  - (2) Installation of farm equipment such as brooders, dehydrators, dryers, and irrigation equipment.
  - (3) Raw material (feedstock) applications, except for piping to special atmosphere generators.
  - (4) Oxygen-fuel gas cutting and welding systems.
  - (5) Industrial gas applications using gases such as acetylene and acetylenic compounds, hydrogen, ammonia, carbon monoxide, oxygen, and nitrogen.
  - (6) Petroleum refineries, pipeline compressor or pumping stations, loading terminals, compounding plants, refinery tank farms, and natural gas processing plants.
  - (7) Large integrated chemical plants or portions of such plants where flammable or combustible liquids or gases are produced by chemical reactions or used in chemical reactions.
  - (8) LP-Gas installations at utility gas plants.
  - (9) Liquefied natural gas (LNG) installations.
  - (10) Fuel gas piping in electric utility power plants.
  - (11) Proprietary items of equipment, apparatus, or instruments such as gas-generating sets, compressors, and calorimeters.
  - (12) LP-Gas appliances for vaporization, gas mixing, and gas manufacturing.

- (13) LP-Gas piping for buildings under construction or renovations that are not to become part of the permanent building piping system; that is, temporary fixed piping for building heat.
- (14) Installation of LP-Gas systems for railroad switch heating.
- (15) Installation of LP-Gas and compressed natural gas systems on vehicles.

#### 1202.0 General.

The regulations of this chapter shall govern the installation of fuel gas piping in or in connection with any building or structure or within the property lines of any premises up to 35kPa (5 psi), other than service pipe. Fuel oil piping systems shall be installed in accordance with NFPA 31 or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

#### 1203.0 Inspection.

**1203.1** Upon completion of the installation, alteration, or repair of any gas piping, and prior to the use thereof, the Authority Having Jurisdiction shall be notified that such gas piping is ready for inspection.

**1203.2** All excavations required for the installation of underground piping shall be kept open until such time as the piping has been inspected and approved. If any such piping is covered or concealed before such approval, it shall be exposed upon the direction of the Authority Having Jurisdiction.

**1203.3** The Authority Having Jurisdiction shall make the following inspections and either shall approve that portion of the work as completed or shall notify the permit holder wherein the same fails to comply with this code.

**1203.3.1 Rough Piping Inspection.** This inspection shall be made after all gas piping authorized by the permit has been installed and before any such piping has been covered or concealed or any fixture or appliance has been attached thereto. This inspection shall include a determination that the gas-piping size, material, and installation meet the requirements of this code.

**1203.3.2 Final Piping Inspection.** This inspection shall be made after all piping authorized by the permit has been installed and after all portions thereof that are to be covered or