ONTARIO FIRE DEPARTMENT
FIRE PROTECTION STANDARD

L P CYLINDER EXCHANGE INSTALLATION
STANDARD #E-002 EFFECTIVE 10-13-98 PAGES 1

PURPOSE:

To provide a standard consistent with good fire safety practices for various service stations and other retail stores which will store portable LPG cylinders outside awaiting exchange or resale.

SCOPE:

Where the aggregate capacity is less than 500 gallons, a fire department permit is not required. Although there is no requirement for separation distances to buildings, sidewalks or property lines where the aggregate capacity is less than 500 gallons, a site plan showing the distance from exit(s) shall be provided. Adequate anchors shall also be provided to ensure racks upon which LPG cylinders are stored will not move and block exits.

AUTHORITY:

The 2013 California Fire Code Chapter 61 – Liquefied Petroleum Gases, Section 6109 – Storage of Portable Containers Awaiting Use or Resale.

ADDITIONAL CODE CONSIDERATIONS:

A. LP – gas containers stored in buildings in accordance with Sections 6109.9 & 6109.11, shall not be located near exit access doors, exits, stairways, or in areas normally used, or intended to be used, as a means of egress.

B. Protective bollards to be installed in areas subject to vehicular damage.

C. Electrical equipment inside of or within 5 feet of a cabinet storing cylinders, shall comply with the requirements for Class I, Division 2 equipment in accordance with NFPA 70.

D. LP gas containers in storage shall be located in a manner that minimizes exposure to excessive temperature rise, physical damage, or tampering.

E. Provide “No Smoking Flammable Gas” sign/label.

F. Provide NFPA 704 placard indicating highest hazards on the outside of the building and/or gates.

G. Under no circumstances will cylinder be filled or emptied at the site unless in compliance with 2013 California Fire Code Chapter 61.