




COLORADO SPRINGS FIRE DEPARTMENT
Division of the Fire Marshal
Administrative Ruling



Number:	2018-1		
Subject:	Permit Amounts for Carbon Dioxide and Inert Gas Systems		
Reference:	Colorado Springs' <i>Fire Prevention Code and Standards (FPC)</i> and the <i>2015 International Fire Code (IFC)</i>		
Effective Date:	12/20/2018	Issued By:	Stefan Manning, Fire Protection Engineer
Revision Date:	N/A	Revised By:	N/A
Approval Date:	12/20/2018	Approved By:	Brett T. Lacey, Fire Marshal 

PURPOSE: To define a consistent threshold permit amount for carbon dioxide and inert gas systems as they relate to sections 105.6.4, 105.7.22, and 5307.1 of the FPC and IFC.

SCOPE: This ruling applies to systems that utilize carbon dioxide and/or inert gases (nitrogen, argon, etc.). This ruling does not apply to stored cylinders that are not connected to a system.

DESCRIPTION OF ISSUE: A permit shall be issued if the capacity of a carbon dioxide or inert gas system exceeds the permit amount. An exceeded permit amount drives the requirements for a detection and alarm system found in FPC's and IFC's Section 5307. However, the permit requirement amount referenced in sections 105.6.4, 105.7.22, and 5307.1 is 100 pounds, but the threshold statements are inconsistent.

For example: Section 105.6.4 maintains, "...when the systems meet or exceeds 100 pounds;" section 105.7.22 reads, "...when the system capacity exceeds 100 pounds;" and section 5307.1 states, "...systems having a capacity of 100 pounds...or greater."

Clarification is required to ensure the permit amount threshold is consistent throughout the code.

DECISION: A permit is required for carbon dioxide and inert gas systems that exceed 100 pounds capacity. Systems having a capacity of exactly 100 pounds or less do not require a permit. (This decision aligns more closely with permit amount verbiage throughout the fire code.)