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LAS VEGAS FIRE & RESCUE  
500 N. CASINO CENTER BLVD.  
LAS VEGAS, NEVADA 89101

VOICE 702.383.2888  
FAX 702.464.5736  
TTY 702.386.9108

[www.lasvegasnevada.gov/Government/Fire.htm](http://www.lasvegasnevada.gov/Government/Fire.htm)

February 19, 2015

**RE: CARBON DIOXIDE (CO<sub>2</sub>) SYSTEMS USED IN BEVERAGE DISPENSING APPLICATIONS**

Dear Business Owner,

The City of Las Vegas wishes to inform you of the fire code requirements that are affecting your business. In particular, the installation and maintenance of liquid or gaseous carbon dioxide systems (CO<sub>2</sub>) that are used for your beverage dispensing system.

Carbon dioxide is an invisible, odorless gas that is present in the air you breathe. Ordinarily, carbon dioxide is not poisonous. However, breathing high concentrations of carbon dioxide would put one at risk for carbon dioxide poisoning or even death by suffocation.

Recently, emergencies caused by CO<sub>2</sub> systems leaking have increased. One incident involved the death of a restaurant worker who was suffocated by the gas. Another incident caused two of four emergency responders at a medical emergency to be overcome while trying to render aid. Numerous others have not been so fortunate.

The City of Las Vegas has adopted the 2012 International Fire Code with amendments. Simply stated, if your carbon dioxide system has a capacity over 100 lbs. (liquid) or 6000 cubic feet (compressed gas), plans and permit for said installation are required by the City of Las Vegas.

Any systems installed without oversight (permit and inspections) from the City of Las Vegas, shall still be required to comply with minimum codes and standards. Attached you will find a detailed list of requirement that you can give to your contractor.

We understand that complying with these requirements will take some time and money. Rest assured we are here to assist you in achieving a code compliant system that is safe for your customers and employees.

Please feel free to contact our office at (702) 229-0366 with any questions or concerns. Thank you for your anticipated cooperation.

Sincerely,

Robert Fash  
Deputy Fire Marshal