



INFORMATION BULLETIN

HAZARDOUS LOCATION REQUIREMENTS - GAS EQUIPMENT INSTALLATIONS

Date of Issue: December 12, 2013

No: IB-GA 2013-03

To gain a better understanding of “Hazardous Locations” and what must be done when a gas appliance, not certified for a “Hazardous Location” has been installed or becomes installed in a hazardous location as defined by the adopted code.

Hazardous Locations

The definition for “Hazardous Locations” can be found in both the CSA B149.1-10 (section 4.9) *shown* and CSA B149.2-10 (section 4.7).

B149.1 -10 - 4.9 Hazardous Locations

4.9.1

An appliance shall not be installed in a location that has an environment corrosive to an appliance or venting system.

4.9.2

An appliance, unless certified for installation in a hazardous location. Shall not be installed in any location where a flammable vapour, combustible dust or fibres, or an explosive mixture is present.

Requirement(s):

A gas appliance shall never be installed in an area as described in 4.9.1. A gas appliance installed in an area as described in 4.9.2 **must be certified for installation** in a hazardous location.

Issue:

What to do when an **existing** gas appliance, **not certified for use** in a hazardous location has been installed and the location rating changes to a hazardous location.



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If this becomes the case **either** of the following shall apply:

1. The owner of the gas equipment may request a Variance request through the regional area Safety Officer with an accompanied Operational Maintenance Plan (OMP). This plan is to indicate how the applicant will maintain/ensure the safe operation of the equipment in these location types.

Operational Maintenance Plan review:

An Operational Maintenance Plan (OMP) shall be submitted to the Gas Safety Officer for consideration, review and acceptance with the Variance request. If accepted the OMP is to be attached to the Operating Permit as a term and condition and be assessed/audited against periodically. A Special Purpose Operating Permit may require Safety Manager/Senior Safety Officer review prior to issuance.

If the Variance is accepted, the owner must apply for a Gas Technology Special Purpose Operating Permit, the applicants OMP will be attached to this permit

2. If the installation/equipment condition will not permit the above method, or the Variance is not accepted, the existing gas equipment is to be de-energized and equipment certified for use in these types of locations be installed.

The appliance should be red tagged and taken out of service until which time it is replaced with an approved appliance.

A handwritten signature in black ink that reads "Wayne Lock".

Wayne Lock
Provincial Safety Manager – Gas

References:

Safety Standards Act
Gas Safety Regulation
CAN/CSA B149.1 Natural gas and propane installation code
CAN/CSA B149.2 Propane Storage and Handling Code

For more information on the British Columbia Safety Authority, please visit our web site at:
www.safetyauthority.ca