1.0 Introduction

This Standard Operating Procedure outlines the requirements for

Queen's University Environmental Health & Safety

Date Issued:

Outdoor Storage of Compressed Gas Cylinders

Outdoor locations

Inert Gases

A dedicated storage room is not required, but is preferred.

Storage area should be ventilated to dissipate any gas leaks. The building's HVAC is acceptable.

Storage area cannot be located in a hallway that is an access to an exit.

A maximum of 150kg of inert gas may be stored in a single fire compartment.

Storage of Flammable Gases in Excess of the Amounts in Sections 6.3, 6.4 and 6.5

Indoor storage location for must be approved by the Department of Environmental Health and Safety.

Outdoor storage is permitted subject to Section 2.6 Outdoor Storage of Compressed Gas Cylinders.

Indoor Storage of Poisonous Gases

Poisonous gas cylinders must be stored in a dedicated room approved by the Department of Environmental Health and Safety and must meet the following requirements:

- Room must have a gas tight, 2-hour fire separation from the rest of the building
- Continuous ventilation to the outside
- Room may not be used to store flammable gases.
- Room may not have any combustible materials.

Indoor Storage of Corrosive Gases

Corrosive gas cylinders must be stored in a dedicated room approved by the Department of Environmental Health and Safety and must meet the following requirements:

- Room must have a gas tight, 2-hour fire separation from the rest of the building
- Continuous ventilation to the outside.
- Room may not be used to store flammable gases.
- Room may not have any combustible materials.

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