

# Fuel Gas Regulator Fire Hazard

**Safety Alert**

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**Enform**

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## Description of Incident:

On several separate occasions in the last year elevated gas concentrations were observed in buildings as a result of fuel gas regulators failing and venting inside buildings. These worksite conditions have the potential to lead to a flash fire or explosion, as well as harmful worker exposure.



**View of Fuel Gas Regulators with and without Venting**

## What Caused It?

- Failure to follow the manufacturer's recommendations for venting fuel gas regulators to the exterior of the building

## Contributing Factors Included:

- Lack of preventative maintenance on regulators

## Corrective/Preventative Actions:

- Ensure "Building Entry" procedures are followed at all times
- Ensure personal monitors are maintained (bump tested, calibrated) and worn properly
- Know which buildings are not equipped with fixed combustible gas detection
- Review preventative maintenance plans to ensure that regulators have the diaphragms inspected and/or replaced at a reasonable frequency based on historical failure trends
- Vent regulators according to manufacturer's specifications, which indicate they should be vented to the exterior of the building if the gas could pose a health and safety risk

By industry, for industry

