

Fuel Gas Regulator Fire Hazard

Safety Alert

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Enform

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An Industry Product

This document was developed by industry for industry. Working collaboratively, Enform works with the submitting organization representative in developing these documents to improve the industry's hazard awareness. Canada's leading oil and gas industry trade associations support the use of shared information to help companies of all sizes improve performance.

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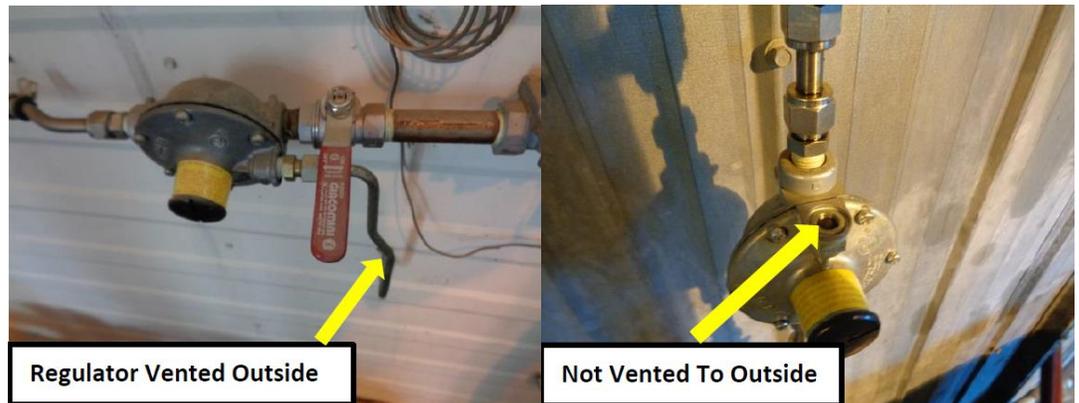
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Description of Incident:

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

