

<b>INCIDENT AND HAZARD REPORTING TO TECHNICAL SAFETY BC GAS</b>
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## A. General Details

This information bulletin is being issued to clarify incident reporting requirements. It is issued with respect to sections 36 and 37 of the *Safety Standards Act*, section 34 of the *Safety Standards General Regulation* and section 54 of the *Gas Safety Regulation*.

### How to Report Incidents and Hazards to Technical Safety BC

For emergency assistance call 911 or your local police or fire department directly.

Incidents and hazards are to be reported to Technical Safety BC through our website at <https://portal.technicalsaftybc.ca/report-incident/incident-reporting-form> or go to our website at [www.technicalsaftybc.ca](http://www.technicalsaftybc.ca) and select "I Want to" → "Report an Incident/Hazard". Alternatively, you can call 1 866 566 7233 and follow the prompts to report an incident or hazard.

Note: voicemail and email messages made to Technical Safety BC employees concerning incidents and hazards are not considered to have been reported to Technical Safety BC as required by regulation.

### Definitions

**Incident:** A failure of a regulated product, work or operation that causes:

- a) damage to property, personal injury or death
- b) damage to safety features

*Note:*

- a) Property damage or injury focuses on the impact that the failed equipment may have had outside the boundaries of the product, work or operation.
- b) Damage to safety features relates to failures where the damage:
  - is limited to the failed product, work or operation and
  - does not render the product or activity inoperative and
  - impairs the safety feature's effectiveness.

**Safety feature:** An aspect of a product's design, installation, maintenance or operation that is intended to prevent people or property from being exposed to a hazard.

**Hazard:** A source of potential harm to persons or potential damage to property.

**Duty holder:** A person or company who is responsible for compliance because they either own regulated products, or perform regulated work.

### Reporting of Incidents to Technical Safety BC

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The following duty holders are required to report all incidents to Technical Safety BC:

- Person in charge of a regulated product or regulated work
- Owner of the regulated product
- Permit holder
- Person authorized to perform or performing regulated work
- Person authorized to operate or operating a regulated product
- An officer or employee of a utility
- Owner of a plant (as defined in the regulations)

Only one incident report per incident is required.

### **Duty to Preserve Incident Site for Investigation**

A person must not remove, disturb or interfere with anything in, on or about the place where the incident occurred except as necessary to rescue a person, prevent injury or to protect property unless directed by a safety officer or safety manager.

### **Reporting of Hazards to Technical Safety BC**

Hazards are required to be prevented or immediately corrected by duty holders that are responsible for the regulated product, work or operation. Hazards must be immediately reported to Technical Safety BC when:

- it is not known that the hazard is being corrected by the duty holder or
- the same or similar hazards have been repeatedly observed and are associated with the same duty holder.

### **Unrepairable Appliances (Gas) - Reporting to Technical Safety BC**

The gas safety regulation requires that:

54 (1) A person who finds any gas appliance or gas equipment beyond repair or in an unsafe condition must:

- (a) place the appliance or gas equipment out of service, and
- (b) promptly notify a safety officer of its condition and location.

(2) If the initial notification under subsection (1) (b) is verbal, it must be promptly confirmed by a written statement setting out the facts

Reporting of unrepairable gas appliances as hazards via Technical Safety BC's web reporting portal (<https://portal.technicalsaftybc.ca/report-incident/incident-reporting-form>) satisfies a person's obligation to report this condition.

### **When to Report Incidents and Hazards to Technical Safety BC**

For emergency assistance call 911 or your local police or fire department directly.

#### Incidents:

Unless otherwise indicated, all incidents are to be reported within the following timeframes:

- Incidents resulting in a moderate, major or fatal injury – **immediately**
- Incidents resulting in moderate, major or severe damage – **immediately**
- All other incidents – **within 24 hours** (or as soon as practicable).

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*Moderate injuries* are those that, while serious, are considered unlikely have a significant effect to long-term quality of life. Examples include single limb fractures, concussions, disorientation.

*Moderate damage* is damage that results with controlled exposure to energy (ie. electrical, thermal, mechanical) or the limited/controlled release of substances intended to be contained.

#### Hazards:

All hazards as described in the 'reporting of hazards' section above are to be reported to Technical Safety BC **immediately**.

### **What to Expect After Reporting an Incident or Hazard to Technical Safety BC**

Technical Safety BC tracks and investigates incidents and hazards that are reported to inform awareness and prevention initiatives. Consequently, Technical Safety BC does not investigate all reported incidents and may not follow-up with a notification unless there is an intention to investigate.

Summaries of all reported incidents and completed investigations can be accessed via Technical Safety BC at <https://www.technicalsaftybc.ca/safety-information/incident-data>. Technical Safety BC protects the identity of persons who report or may be involved with incidents or hazards.

Unless otherwise indicated, duty holders are required to preserve the equipment, products and items involved in an incident. Technical Safety BC will contact duty holders within 24 hours of the next regular business day following the report of an incident if more information is required or an investigation is planned to occur.

## **B. Examples of Gas Incidents and Hazards**

### **Gas incidents that are required to be reported:**

- Carbon monoxide (CO) exposures
  - where people are suspected of being exposed to CO as a result of gas equipment use
  - report after calling first responders such as the local gas utility or emergency response
- Fires or explosions
  - where reasonable suspicion of being caused by gas equipment or gas systems exists
- Uncontrolled release of gas or gas leak
  - report after calling first responders such as the local gas utility or emergency response

#### *Required Procedure if gas escapes*

*A person who causes damage to a gas installation which results in the escape of gas must immediately take the steps reasonable in the circumstances to do all of the following:*

- (a) notify the persons in any premises that may be affected;*
  - (b) notify the gas company;*
  - (c) warn all persons in any nearby building in which a gas odour is present to evacuate the building;*
  - (d) notify a member of the police force having jurisdiction in the place where the installation is located;*
  - (e) extinguish all flames and sources of ignition in the vicinity of the installation;*
  - (f) notify the nearest fire department;*
  - (g) warn traffic, vehicles and pedestrians not to enter the area rendered hazardous by the damage.*
- Gas consumer product failures that result in injury or damage

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- notifications should include product manufacturer, type, make, model and certification body ie CSA, ULc
- Any other gas product failures that result in injury or damage

**Gas occurrences that are not reportable incidents (to Technical Safety BC):**

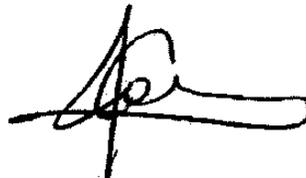
- Natural gas incidents occurring in fully detached dwellings serviced by a single meter at 2 psi (14kpa) or less and any premise other than a fully detached dwelling if the gas meter pressure is 2 psi (14kpa) or less and the total connected load is 409,000 BTUH (120KW) or less within the following municipalities is not under the jurisdiction of Technical Safety BC and should be reported to the municipality:
  - Burnaby 604-294-7944
  - Kelowna 250-469-8500
  - Maple Ridge 604-463-5221
  - North Vancouver (city) 604-985-7761
  - North Vancouver (district) 604-990-2311
  - Richmond 604-276-4000
  - Vancouver 604-873-7011
- Gas supply outages (unless large outages as described as a hazard below)
- Gas appliances, products or equipment that no longer function but remain in a safe OFF condition

**Examples of Gas hazards that should be reported to Technical Safety BC:**

- Unrepairable or unserviceable gas equipment that is in use or available for use
- Uncapped gas lines where piping or tubing system is connected to the gas supply
- Appliance Vents terminated or spilling products of combustion into enclosed or habited spaces
- Incomplete gas work that could result in a gas leak, fire or exposure to combustion byproducts
- Clearance requirements to combustible material not met causing the equipment to operate in an unsafe manner
- Safety systems or limits bypassed or made ineffective
- Gas supply outages that are large in nature, affecting large areas and/or numerous users where reactivation of the gas supply may present a risk to safety
- Regulated gas work being completed by:
  - unlicensed businesses or
  - persons not certified for the work
- Unpermitted work or operations



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**References:**

Safety Standards Act

Electrical Safety Regulation

Elevating Devices Safety Regulation

Gas Safety Regulation

Power Engineers, Boiler, Pressure Vessel & Refrigeration Safety Regulation

Safety Standards General Regulation

For more information about Technical Safety BC, please visit our website at: [www.technicalsaftybc.ca](http://www.technicalsaftybc.ca)

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