

## HOW TO COMPLY?

- Use only certified equipment and components.
- Follow safety codes as much as possible.
- If unable, document a Valid Technical Reason (VTR) and propose an equivalent or better solution. Price, preference or plant standard are not a VTR.
- Document design with a site specific P&ID, BOM, wiring diagram, operating narrative, statement of compliance, and rating plate. **If you don't have those call ENEFEN.**
- Commence Field Approval with the review of the design by ENEFEN.
- **ENEFEN Field Approved installations in Alberta are exempt from gas permit.** In other provinces gas permit may be required.
- Document installation with commissioning / combustion report.
- Finalize Field Approval with a Field Inspection by ENEFEN of a complete and working installation.
- Once received from ENEFEN, attach final rating / approval plate to the installation. Store certificate and documentation so it can be shown to a Safety Codes officer on demand.
- Field Approval process is similar in all Canadian provinces.

## WHEN?

CSA B149 Codes - published first in 1958, latest edition 2015  
Alberta Safety Codes Act - published in 2000, latest edition June 19, 2015

## WHY USE ENEFEN?

- **the only Standards Council of Canada accredited Inspection Body (IB)**
- independent engineering consulting company in AB, SK, BC, Manitoba
- vendor neutral
- 200+ off-the-shelf designs (P&ID, BOM, electrical, rating plate) provided at no charge to our clients
- 120+ years of combined industrial combustion systems design and field approval experience
- single source of full design & approval services
- professional E&O and GL insurance
- ISNetwork, Comply Works
- fixed inspection rates (incl travel)
- stamped documentation & rating plate included
- local inspectors
- fast and reliable service
- gas permit is not required in Alberta

# ENEFEN

Enefen Energy Efficiency Engineering Ltd.

The **FIRST & ONLY**  
Standards Council of Canada  
Federally Accredited  
**Type C Inspection Body (IB) for:**  
**Field Approvals of Commercial  
and Industrial Gas Fired  
Appliances and Equipment.**



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## WHO IS RESPONSIBLE?

Any person who manufactures, installs, sells, or offers for sale any equipment or components related to gas fired systems. This includes: owner, operator, designer, professional engineer, contractor, manufacturer, vendor, rental or leasing company.

## WHAT IS REQUIRED?

Such person is required by provincial legislation to comply with regulations related to safety in the design, manufacture, construction, installation, operation and maintenance of buildings, electrical systems, gas systems, pressure equipment, elevating devices, and plumbing and sewage disposal systems.

All parties are equally responsible for compliance with safety codes, and all codes are treated equally. Compliance with gas codes is not different from compliance with electrical, pressure vessel or building codes.

There are overlapping requirements for compliance in the Occupational Health & Safety Act, Engineering and Geoscience Professions Act, Environmental Protection and Enhancements Act, and the Energy Resources Conservation Act.

## WHY MUST YOU COMPLY?

Any person who contravenes the legislation, or fails to prepare, submit or retain any information required by the legislation, or makes false or misleading statements or interferes with the administration of the legislation is guilty of an offence. Such person is liable to a fine up to \$100,000 for the first offence, plus \$1,000 for each additional day during which this offence continues, and/or imprisonment for 6 months. For the second offence these penalties are \$500,000 / \$2,000 / 12 months. In addition, the government may obtain a court order to enforce compliance, and if necessary, order shutdown of the non-compliant installation.

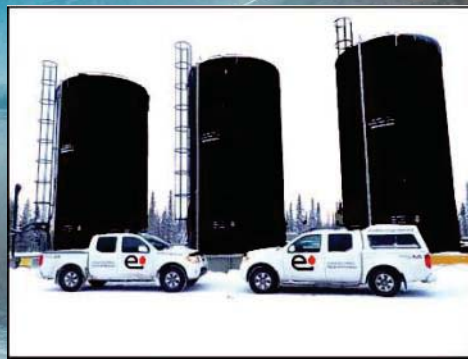
The government's role is to co-ordinate and encourage compliance with safety codes. They are not responsible for your compliance.

## WHERE IS COMPLIANCE REQUIRED?

In any commercial or industrial gas fired installation or their parts, regardless of their capacity, where gas is used to produce energy (thermal, mechanical, electrical, etc). Where gas is used as a raw material to a process, compliance is not required, but still the overall system safety must be assured and approved.

## SCOPE OF COMPLIANCE

Compliance is with the safety legislation and with all of its requirements for complete installations. Compliance with only one of the codes is insufficient. All appliances must be either certified or inspected and accepted through a Field Approval.



Compliance with CSA B149.3 Code alone does not meet the requirement of the provincial safety legislation.