



PERMITS & INSPECTION SERVICES
PARK ENTERPRISES LTD.
"Inspections by People Who Care!"

NOTICE – GAS FIRED APPLIANCES UNDER CONSTRUCTION

November 28, 2017

To whom it may concern;

As we get further into the winter months, we wanted to be sure our builders and gasfitters were aware and understood a recent Standata that was sent, issued and distributed. You will find a copy attached of the issued Standata regarding Gas Fired Appliances used for heating buildings under construction.

As of May 1st, 2017 New Manufactured Furnaces that have changed their certified installation instruction to restrict these furnaces from being used to heat buildings under construction *OR* renovation. This would mean furnaces after May 1st, 2017 cannot be used as a means of temporary heat during construction.

Please verify your manufacturer specifications to ensure your source for temporary heat is certified to be used as such. The manufacturer specifications will state if the furnace is permitted to be used as a heat source during construction. If it is allowed, the installation instruction will specify the conditions required for its use.

As your permitting and inspection agency, we want to ensure you are notified and understand this change and impact on common practices that many of us are used to. Please take the time to read the attached Standata carefully, and if you have any questions, please feel free to contact us. When an inspection is conducted and a furnace is being used that may appear to be in contravention of the attached Standata, we will be required to ask for the manufacturer specifications to demonstrate it is permitted for that application and use. If it is not approved for such use, we are required to ask that unit to be removed and will unfortunately have to be discontinued for use in this fashion and discarded.

We appreciate your understanding and attention to this important matter. Please let us know if there is anything we can do to assist you with this transition and change or if there are any concerns we can address.

Sincerely,

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GAS FIRED APPLIANCES USED FOR HEATING BUILDINGS UNDER CONSTRUCTION

This bulletin has been jointly developed by Municipal Affairs and industry representatives to inform builders, contractors, renovators, gasfitters/sheet metal workers and owners of the requirements to ensure the installation and operation of gas heating appliances comply with the manufacturer's certified installation instructions and the CSA B149.1 Natural gas and propane installation code.

Gas fired appliances used to supply heat to buildings that are under construction or during renovations are required to be certified for that use. All gas fired appliances shall be installed and operated as per the requirements in the CSA B149.1 Natural gas and propane installation code and the appliance manufacturer's certified installation instructions.

As of May 1, 2017 the manufacturers of gas heating appliances supplied in Canada, known as residential style furnaces changed their certified installation instructions to restrict these furnaces from being used to heat buildings that are under construction or being renovated.

The ANSI Z21.47/CSA 2.3 Gas-fired central furnaces standard requires the manufacturer's installation instructions of these units to contain:

- A statement specifying whether the furnace is permitted to be used for heating of buildings or structures under construction.
- If the manufacturer allows such use, the instructions shall specify the conditions that are required for use. Installation must comply with all manufacturer's installation instructions.

Buildings would be considered under construction/renovation where dusty conditions exist such as those created from installing drywall or textured finishes. A furnace certified to ANSI Z21.47/CSA 2.3 that bears an indication that it is not to be used for heating buildings or structures under construction could be used once drywall, texture and priming of interior surfaces is complete, including clean-up that would be required to minimize dust and debris.

Heating of an area during construction/renovation such as a basement development would require an alternate heat source for those areas so that a furnace with restrictions is not used for construction during the renovation. There will need to be separation of the construction and occupied areas to ensure the furnace serving the completed portions of the home is not exposed to the construction conditions.

The compliance monitoring by the authority having jurisdiction for the gas installations may be completed prior to energizing the furnace or after the completion of the building. It is the owner's or owners representative's responsibility to secure documentation from contractors that the permanently installed gas furnace in the building was not used to supply heat during the construction/renovation of the building and the installation is in accordance with the

Issue of this STANDATA is authorized by
the Gas Administrator

[Original Signed]
Sidney Manning



Alberta
Government

manufacturer's installation instructions. This documentation cannot be used to replace, bypass or exempt the requirements of the Safety Codes Act, permit regulation, related codes, or compliance monitoring by the authority having jurisdiction as applicable.

Related B149.1 Code Clauses

4.1.3

An **appliance, accessory, component, equipment**, or any other item shall be installed in accordance with the manufacturer's **certified** instructions and this Code.

4.1.4

Where a conflict exists between the manufacturers **certified** installation instructions and this Code, the requirements of this Code shall prevail unless otherwise **approved**.

4.2.1

An **appliance, accessory, component, equipment**, or material used in an installation shall be of a type and rating **approved** for the specific purpose for which it is employed.

4.3.2

Installers shall instruct the user in the safe and correct operation of all **appliances** or **equipment** that they install.

The attached form may be utilized as an example of an activation form to ensure an unapproved furnace is not used for heat during construction.

Residential Furnace Activation Form

Unit Address: _____ Permit #/Issuer: _____

Builder: _____ Furnace Installer: _____

Furnace - Make: _____ Model #: _____

Serial #: _____

I, _____ (print), as a representative of the builder, declare that this furnace was not activated at any time during construction and was protected from construction contamination until the construction was completed. (This applies only if furnace was not used until occupancy).

Builder to Verify:

Line #	Date:	Initials:	Verification Items
1			Furnace was protected from construction dust or other debris
2			Gas OR Electrical to the furnace was disabled. Furnace has not been previously activated
3			Furnace is in its final location with a concrete pad or finished floor underneath
4			Return air ductwork is sealed and/or isolated from the furnace
5			Interior gypsum board installation is complete and primed and/or textured
6			House has been cleaned of all debris and drywall dust
7			Heating duct work has been professionally cleaned of dust and debris
8			All inspections required by the AHJ for activation of the HVAC system are complete

Activating HVAC Contractor to Verify:

09			Interior gypsum board installation is complete and primed and/or textured
10			Furnace is in its final location with a concrete pad or finished floor underneath
11			Gas OR Electrical means of disablement to the furnace was in place
12			Furnace interior is clear of construction dust or debris
13			New minimum MERV 11 filter has been installed at time of activation.
14			Thermostat Installed - NO FIXED JUMPERS ALLOWED
15			Operating parameters have been verified to match values on the rating plate.
16			Commissioning procedures set out by manufacturer have been verified

Home Owner or Builder Representative

Name (print) _____ Signature _____

Activating Contractor:

Name _____ Journeyman #: _____

Signature: _____

