



Fuels Safety Program	Ref. No.: FS-221-2016
Director's Public Safety Order	Date: August 30, 2016

**IN THE MATTER OF:
THE TECHNICAL STANDARDS AND SAFETY ACT, 2000,
S.O. 2000, c. 16**

-and-

ONTARIO REGULATIONS 211/01 (Propane Storage and Handling) and 212/01 (Gaseous Fuels) made under the Technical Standards and Safety Act, 2000.

**Subject: Propane Fired Outdoor Gas Fire Pit
manufactured by Wujiang Gaorui Garden Metalwork Co. Ltd.
Models: WBT Series and WBRT Series**

Sent to: TSSA e-subscribers, Wujiang Gaorui Garden Metalwork Co. Ltd., Protégé Casual, Propane Risk Reduction Group (RRG), Natural Gas RRG, Natural Gas Advisory Council, Propane Advisory Council, Health Canada, Interprovincial Gas Advisory Council (IGAC), CSA, Canadian Propane Association (CPA), Heating Refrigeration and Air Conditioning Institute (HRAI), Ontario Refrigeration & Air Conditioning Contractors Association (ORAC), Ministry of Government and Consumer Services (MGCS). Also posted on TSSA website and circulated via social media.

Pursuant to subsection 31.2 of the Technical Standards and Safety Act, 2000, the director hereby orders the following:

All of the subject fire pits where the cradle supports a propane cylinder on its side (in the horizontal position) shall:

1. be immediately removed from service and its use is prohibited;
2. have its propane cylinder be immediately disconnected and the propane cylinder shall be stored in an upright (vertical) position outdoors; and
3. not be offered for use, sale, lease, rent or installation

This order is effective August 30, 2016.

Dated at Toronto this 30th day of August, 2016.

ORDERED BY: Original Signed by

Mark Schubert
Acting Director, Propane Storage and Handling and Gaseous Fuels Regulations
Technical Standards and Safety Act, 2000

Background:

The Technical Standards and Safety Authority (TSSA) has become aware that some of the subject propane fired outdoor fire pits have been sold with a cradle that supports a 20 lb propane cylinder on its side (in the horizontal position).

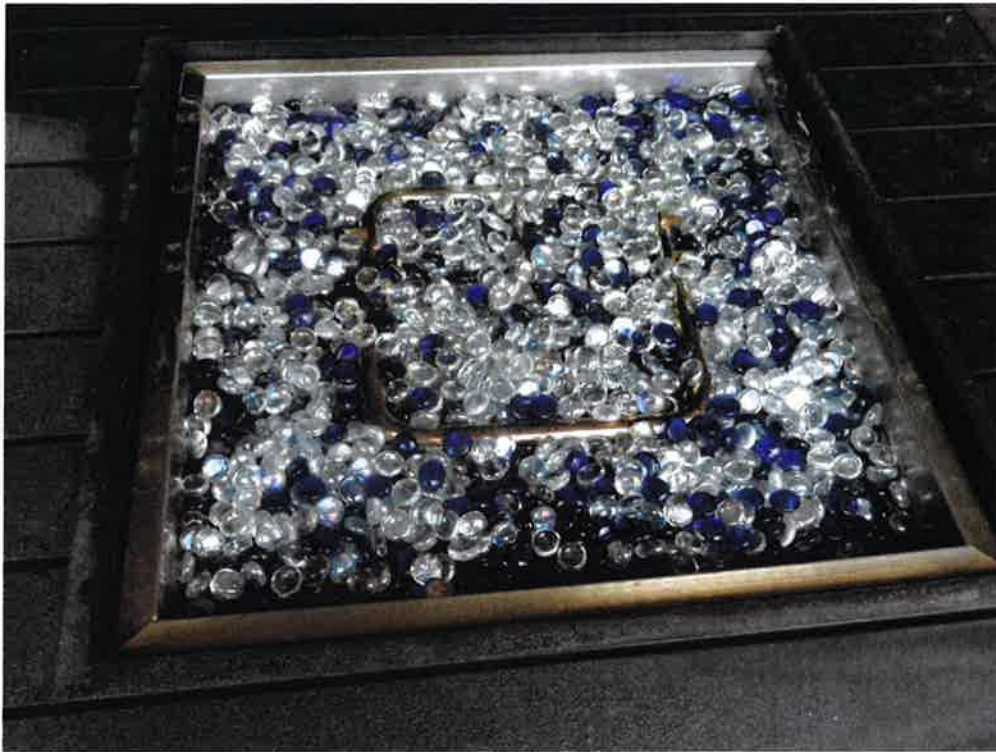
These appliances are designed to burn propane gas in the vapour state. When a propane cylinder is positioned on its side, propane in the liquid state may be released. When propane transforms from a liquid to a vapour state, it expands at a rate of 270:1, which may result in a significant amount of vapour propane that may then ignite and cause fires and/or explosions. Persons may be injured and/or property damaged when using the subject fire pits.

Additionally, when propane cylinders are positioned horizontally, propane in the liquid state may accumulate in the cylinder's shutoff valve assembly and in the adjoining components. During the disconnection of the cylinder, this liquid propane can cause burns to exposed skin.

Photographs of the subject fire pits and the horizontal cradle assembly are below:



Wujiang Gaorui Garden Metalwork – WBT Series Fire Pit



Wujiang Gaorui Garden Metalwork Burner Tray



Propane Cylinder and Horizontal Cradle Assembly