

## OESC Code Rule 20-060

Description of the change: Amend Rule 20-060 to require certification of Vehicle Refuelling Appliance (VRA) in compliance with TSSA requirements. Add an Appendix B Note

### Background

Rule 20-060(2) exempts a Vehicle Refueling Appliance (VRA) from hazardous location requirements. Ontario Regulation 214/01 Compressed Gas Standard provides the following definition:

*VRA - means a vehicle refuelling appliance that consists of a natural gas compressor package not containing storage, that has a flow rate not in excess of 0.3 cubic metre/minute (10 cubic feet/minute) and that is intended for unattended refuelling.*

This has led to some potentially unsafe installations that created confusion for installers and The Electrical Safety Authority, as it appears any Natural Gas Compressor Fuel Dispenser that meets the 214/01 requirements need not comply with rules 20-062 to 20-070 (hazardous location requirements). Ontario's Fuel Safety Regulator, The Technical Standards & Safety Authority (TSSA) has clarified that Only VRA's certified to **CSA 12.6 "Vehicle Refuelling Appliances"** can be installed in accordance with **CSA-B149.1-10 "NATURAL GAS AND PROPANE INSTALLATION CODE"** and be consider non-hazardous location installations.

### Rationale

The scope of CSA B149 limits it to the installation of Vehicle-refuelling appliances and associated equipment meeting the requirements of a general-purpose appliance to fill natural-gas fuelled vehicle. In Ontario, every natural gas appliance that is offered for sale, sold, rented, bought or installed must be approved under the provincial Technical Standards and Safety Act, this includes a VRA.

### Supporting References

Ontario Regulation 214/01 Compressed Gas Standard

<http://www.tssa.org/CorpLibrary/ArticleFile.asp?Instance=136&ID=FFC54A80636742A6ACD624F4928B2356>

### Code Proposal

*20-060 Scope (see Appendix B)*

- (1) *Rules 20-062 to 20-070 apply to locations in which compressed natural gas is dispensed to the fuel tanks of self-propelled vehicles and to associated compressors and storage facilities.*
- (2) *The Rules in this Section do not apply to vehicle refuelling appliances certified to CSA 12.6, and installed in accordance with CSA B149.1 that do not have storage facilities.*

**Appendix B:**

**Rule 20-060**

*Information on non-electrical aspects of compressed natural gas (NGV) refuelling stations and NGV storage facilities may be found in CSA B149.1.*

*In Ontario, every natural gas appliance that is offered for sale, sold, rented, bought or installed must be approved under the provincial Technical Standards and Safety Act. With respect to an appliance, equipment, a component or an accessory that it bears the label or symbol of a designated testing organization or a label or symbol authorized by the director certifying that it complies with an approved standard or a laboratory test report.*