Fuels Safety Program			Ref. No.: TSSA-FS
Branch Standard No. 9			Date: December 20, 1993
Rev	DD/MM/YY	Description	
1	Sept. 19, 2001		
2	Feb. 1, 2014	Add: "In the absence of a full risk and safety management plan by a Professional Engineer."	

Subject:

Requirements for location of propane filing plants, container refill centres and vehicle conversion centres (VCC) in heavily populated areas

Scope:

In the Propane Storage and Handling Code, the enforcing authority may set restrictions where a filling plant is located in a heavily populated or congested area. **In the absence of a full risk and safety management plan by a Professional Engineer,** this Standard provides a method to determine if a facility is in a heavily populated or congested area**.**

Requirement

A propane filling plant, container refill centre and a vehicle conversion centre may only be located in accordance with these requirements. These requirements only apply to new installations and to alterations of existing facilities.

Floor Areas and Distance Measurements

1. From drawings and field measurements, determine the total floor areas* in square feet of:

Area A all industrial occupancy** buildings (or part thereof) within a 75 feet horizontal radius of a tank or VCC;

Area B all buildings, other than industrial occupancy buildings (or part thereof), within a 75 feet horizontal radius of a tank or VCC;

Area C all industrial occupancy buildings (or part thereof) within an area bounded by horizontal radii of 75 feet and 300 feet from a tank or VCC; and

Area D all buildings, other than industrial occupancy buildings (or part thereof), within an area bounded by horizontal radii of 75 feet and 300 feet from a tank or VCC.

* Use outside building measurement. For multi-storey buildings, include the floor area of every floor level. Exclude below grade floor area.

** Industrial occupancies as defined in the Ontario Building Code.

2. From the areas determined in 1. calculate

i. area E as the sum of area A plus twice area B; and

ii. area F as the sum of area C plus twice area D.

3. Record the distance between a tank or VCC and the nearest school and residential occupancy building.

Aboveground Tanks

An aboveground propane tank shall not be located where;

a) any part of a school building is within 300 feet of the tank;
b) any part of a residential occupancy building is within 25 feet of the tank; or
c) the sum of area E plus 0.1 times area F is greater than 15000.

Buried Tanks

A Buried propane tank shall not be located where

a) any part of a school building is within 100 feet of the tank;
b) any part of a residential building is within 25 feet of a tank; or
c) the sum of area E plus 0.001 times area F is greater than 15000.

Vehicle Conversion Centres

A vehicle conversion centre shall not be located where;

a) any part of a school building is located within 300 feet of the VCC; or
b) the sum of area E plus 0.001 times area F is greater than 15000.

Note:

1. For the purposes of this Standard, "school building" shall only include school buildings that have day-time attendance exceeding 50 students between the ages of 5 to 23 years.
2. Where only part of a building is within the 75 or 300 foot horizontal radii, only that part of the building within the radii shall be considered in the determination of floor area.

This amendment is effective immediately.

Dated this 31st day of January 2014.

ORIGINAL SIGNED BY

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John Marshall
Director, O. Reg. 211/01 (Propane)

Sent to: TSSA Propane Advisory Council, TSSA Propane Risk Reduction Group (RRG), Ontario Ministry of Consumer Service, Office of the Fire Marshal, Canadian Propane Association, Independent Propane Retailers Association of Ontario and posted on the TSSA website