



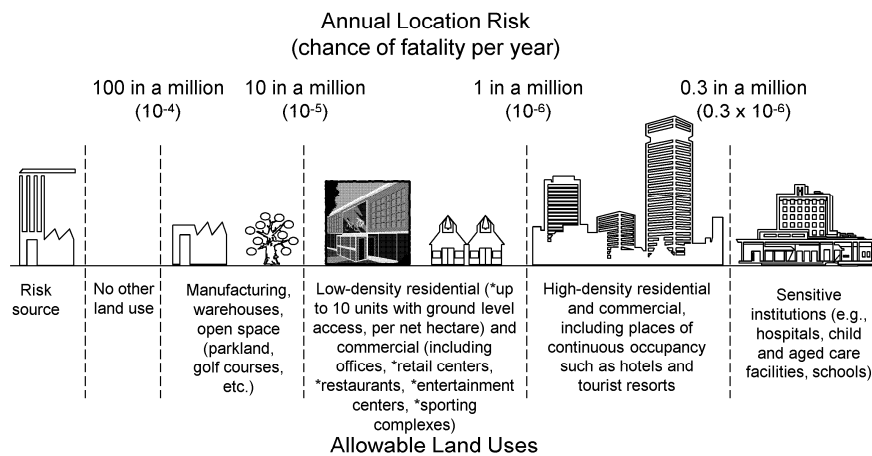
Fuels Safety Program	Ref. No.: FS – 180-10	Rev. No.:
ADVISORY	Date: July 28, 2010	Date:

Subject: Interpretation Advisory for Guidelines for the Implementation of O. Reg. 440/08 – Amendment to O. Reg. 211/01, Propane Storage and Handling

Sent to: Posted on Web-Site and Distributed Propane Filling Plant and Container Refill Centre License Holders, Propane Regulation RRG, Propane Advisory Council

This advisory provides additional interpretation to the MIACC criteria pertaining to retail centres, restaurants, entertainment centres, and sporting complexes.

Acceptable Levels of Public Location Risk for Land Use Around Hazardous Facilities (Current)



Proposed in 2007 by the CSChE PSM Division,
modified from the 1994 MIACC (Major Industrial Accidents Council of Canada) Guidelines
*further discussion required

TSSA will use the United Kingdom (UK)'s Planning Advice for Development of Hazardous Installation (PADHI) guidelines for the purposes of identifying the acceptable development on the basis of individual risk where it pertains to Low-density residential land use.

The PADHI guidelines are based on the following:

- the location (Zone) of the proposed development
- the Sensivity Level of the proposed development based on Development Types
- the use of the decision matrix based on the zone and the sensitivity level

For obtaining the location (Zone) The PADHI guidelines uses risk contours similar to the MIACC criteria and classifies them as Zones as indicated below:

Inner zone: 100 in a million-10 in a million (not applicable for this interpretation)

Middle zone: 10 in a million-1 in a million

Outer zone: 1 in a million-0.3 in a million

There are 4 sensitivity levels:

Level 1 – Based on normal working population

Level 2 – Based on the general public – at home and involved in normal activities

Level 3 – Based on vulnerable members of the public (children, those with mobility difficulties or those unable to recognize physical danger)

Level 4 – Large examples of Level 3 and large outdoor examples of Level 2.

According to the PADHI guidelines the sensitivity levels for retail centres, restaurants, entertainment centres, sporting complexes, etc. are:

- Level 1 for developments where the total floor space for use by the general public is less than 250 m²
- Level 2 for developments where the total floor space for use by the general public is from 250 m² to 5000 m²
- Level 3 for developments where the total floor space for use by the general public is more than 5000 m²

Having determined which zone the development falls into and also the Sensitivity Level of the development, PADHI guidelines use the following matrix to decide if the land use is acceptable for locating the facility.

Level of Sensitivity	Development in Middle Zone	Development in Outer Zone
1	DAA	DAA
2	DAA	DAA
3	AA	DAA
4	AA	AA

DAA = Don't Advise Against development

AA = Advise Against development

If the land use for a propane facility falls under AA, the risk shall be mitigated to 0.3×10^{-6} or less.

If the land use for a propane facility falls under DAA, the risk shall be mitigated to 10×10^{-6} to 1×10^{-6} .