

## PROPOSED CHANGE

NBC05-DivB-06.02.01.01.-replace-BPS-radon-A\_ed.doc

## MODIFICATION PROPOSÉE

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### Comment

### Commentaires

Document	NBC 2005 CNB	Document
Provision	A-6.2.1.1.	Exigence
Committee	ES-HSB Joint Task Group on Protection Against Radon Ingress	Comité
Minutes		Procès-verbaux

#### EXISTING PROVISION

**A-6.2.1.1. Building Pressurization.** New buildings tend to be considerably more airtight than older ones. Consequently, these buildings may have a reduced pressurization requirement compared to the normal requirement in order to limit drafts and provide a reasonable level of comfort.

The humidification and relative pressurization of buildings and individual spaces in buildings can be significant factors in compromising the on-going performance of the building envelope and other environmental separators.

In new construction, HVAC designers should take this issue into consideration and confer with those responsible for the design of the environmental separators so as to limit stress where these building elements are not intended to resist or accommodate such loads. In existing buildings, the ability of the environmental separators to resist or accommodate increases in pressure differential or moisture loading should be considered before changes are made to the HVAC system.

#### PROPOSED CHANGE

Replace Appendix Note A-6.2.1.1. as follows:

**Other Code Provisions Affected: None**

#### **A-6.2.1.1. Building Pressurization** [Good Engineering Practice](#)

##### [Building Pressurization](#)

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##### [Radon Control](#)

[Measures may be necessary to reduce the radon concentration to a level below the guideline specified by Health Canada.](#)

[Further information on reducing the indoor concentration of radon can be found in the following Health Canada publications:](#)

- [“Guide for Radon Measurements in Public Buildings \(Schools, Hospitals, Care Facilities, Detention Centres\)”, and](#)
- [“Radon: A Guide for Canadian Homeowners \(CMHC/HC\).](#)

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**RATIONALE**

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**Problem**

**General**

See the Summary of Significant Proposed Changes to NBC Parts 5, 6 and 9.

**Technical**

There is currently no guidance on how to protect buildings other than dwelling units against high concentrations of radon.

**Justification – Explanation**

**General**

See the Summary of Significant Proposed Changes to NBC Parts 5, 6 and 9.

**Technical**

Additional information is now provided for mitigation and measurement.

**Cost implications**

There are no cost implications for appendix notes as the information provided is meant as guidance only.

**Enforcement implications**

Appendix notes facilitate enforcement as they provide further information on Code requirements.

**Who is affected**

Builders, building officials, designers, owners.

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**OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION**

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**Provision: A-6.2.1.1.**

**Analysis: N/A**

[Comment](#)

[Commentaires](#)