

PROPOSED CHANGE

NBC05-DivB-09.14.05.02.(02)-replace-HSB-sump_pits_ed.doc

MODIFICATION PROPOSÉE

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Comment

Commentaires

Document	NBC 2005 CNB	Document
Provision	9.14.5.2.(2)	Exigence
Committee	ES-HSB Joint Task Group on Protection Against Radon Ingress	Comité
Minutes	3 rd meeting of JTG; 4 th meeting of the JTG	Procès-verbaux

EXISTING PROVISION

9.14.5.2. Sump Pits

- 2) Covers for sump pits shall be designed to resist removal by children.

PROPOSED CHANGE

Replace Sentence 9.14.5.2.(2) as follows:

Other Code Provisions Affected: None

9.14.5.2. Sump Pits

- 2) Covers for sump pits shall be designed
a) to resist removal by children, and
b) to be airtight in accordance with Sentence 9.25.3.3.(7).

RATIONALE

Problem

General

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

Technical

Sump pit covers have been identified as one important entry point for radon gas into interior space.

The requirement to install an air barrier system is currently identified in Subsection 9.25.3. and the control of soil gas at floors-on ground (currently addressed in Articles 9.13.4.3.- 9.13.4.7.) is proposed to be moved to Subsection 9.25.3.

Justification – Explanation

General

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

Technical

This proposed change inserts a cross-reference to Sentence 9.25.3.3.(7), which addresses the airtightness of access hatches and sump pit covers.

Cost implications

Not every building contains a sump pit. Where a sump pit is provided, a cover is already required. The only incremental cost will be for a flexible and re-sealable seal to make the cover airtight.

Enforcement implications

Cross-references generally facilitate enforcement.

Who is affected

Builders, contractors, building officials.

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OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.14.5.2.(2)

Analysis: Unchanged

Attributions

[\(a\) \[F30-OS3.1\]](#)

Objective

OS3 Safety in Use

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: [9.14.5.2.\(2\)](#)

Analysis: New

Attributions

[\(b\) \[F40-OH1.1\]](#)

Objective

[OH1 Indoor Conditions](#)

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