



January 1, 2011

**Adopting radon gas mitigation standards
amending 2008 ORSC & 2010 OSSC**

Purpose of the rule:

These rules implement Senate Bill 1025 approved by the 2010 Legislature. The bill requires radon mitigation standards for new residential buildings and new public buildings in Baker, Clackamas, Hood River, Multnomah, Polk, Washington and Yamhill Counties. Radon mitigation standards adopted by these rules amend both the 2008 Oregon Residential Specialty Code (ORSC) and the 2010 Oregon Structural Specialty Code (OSSC).

These rules become effective April 1, 2011 for new residential buildings, and April 1, 2013 for new public buildings.

Citation:

Amend: OAR 918-460-0015 & 918-480-0010

To view the proposed amended code language, click the following:

Amendments to: 2008 ORSC [Appendix F](#)

Amendments to: 2010 Oregon Structural Specialty Code [Section 1811](#), [Section 1812](#), and [Appendix N](#)

Effect of the rule:

Because radon is classified as a known human carcinogen and is the second-leading cause of lung cancer in the nation, the Oregon Legislature approved a bill to set in motion the process of protecting owners and occupants of new homes and certain new buildings from possible exposure to radon gas.

Under these rules new residential buildings and new public buildings must incorporate radon resistant construction when located in one of the counties specified in the bill.

The standards adopted by these rules were developed using nationally recognized codes and other standards suggested by the radon resistant construction community.

Contact:

If you have questions or need further information, please contact Richard Rogers, Structural Program Chief at richard.rogers@state.or.us, or 503-378-4472.



Secretary of State
Certificate and Order for Filing
PERMANENT ADMINISTRATIVE RULES

I certify that the attached copies* are true, full and correct copies of the PERMANENT Rule(s) adopted on [Upon Filing] by the
Date prior to or same as filing date

Department of Consumer and Business Services, Building Codes Division 918
Agency and Division Administrative Rules Chapter Number

Stephanie Snyder PO Box 14470 Salem, OR 97309 (503) 373-7438
Rules Coordinator Address Telephone

to become effective January 1, 2011. Rulemaking Notice was published in the December 2010 Oregon Bulletin.**
Date upon filing or later Month and Year

RULE CAPTION

Adoption of radon gas mitigation standards amending the 2008 ORSC and 2010 OSSC.

Not more than 15 words that reasonably identify the subject matter of the agency's intended action.

RULEMAKING ACTION

List each rule number separately (000-000-0000)

Secure approval of new rule numbers (Adopted or Renumbered rules) with the Administrative Rules Unit prior to filing.

ADOPT:

AMEND: OAR 918-460-0015 & 918-480-0010

REPEAL:

RENUMBER:

AMEND & RENUMBER:

Stat. Auth.: ORS 447.231, 447.247, 455.020, 455.030, 455.110, 455.112, 455.525, & 455.610

Other Auth.: Ch. 83, 2010 Oregon Laws

Stats. Implemented: ORS 447.247, 455.110, 455.112 & 455.610

RULE SUMMARY

These rules implement Senate Bill 1025 approved by the 2010 Legislature. The bill requires the Residential and Manufactured Structures Board to adopt radon mitigation standards for most types of new residential buildings and requires the Building Codes Structures Board to adopt radon mitigation standards for certain types of new residential buildings and new public buildings. Radon mitigation standards adopted by these rules amend both the Oregon Residential Specialty Code (ORSC) and the Oregon Structural Specialty Code (OSSC). These requirements are applicable in Baker, Clackamas, Hood River, Multnomah, Polk, Washington and Yamhill Counties. Additionally, radon mitigation standards applicable to new residential buildings become effective April 1, 2011 while radon mitigation standards applicable to new public buildings become effective April 1, 2013.

Berri Leslie
Authorized Signer Printed name Date

918-460-0015

Amendments to the Oregon Structural Specialty Code

The **2010 Oregon Structural Specialty Code** is adopted and amended pursuant to OAR chapter 918, division 8. Amendments adopted for inclusion into the **2010 Oregon Structural Specialty Code** are placed in this rule, showing the section reference, a descriptive caption, and a short description of the amendment.

(1) Effective January 1, 2011 the **2010 Oregon Structural Specialty Code** is amended by adding Section 1811 Radon Control Methods Public Buildings and Section 1812 Radon Control Methods R-2 and R-3 Occupancies.

(a) Radon mitigation provisions in Section 1811 applicable to new public buildings are adopted January 1, 2011 but do not become enforceable until April 1, 2013 as authorized by Chapter 83, 2010 Laws (Senate Bill 1025).

(b) Radon mitigation provisions in Section 1812 applicable to residential buildings identified as Group R-2 or R-3 are adopted January 1, 2011 but do not become enforceable until April 1, 2011 as authorized by Chapter 83, 2010 Laws (Senate Bill 1025).

[Publications: Publications referenced are available for review at the division. See division web site for information on where to purchase publications.]

Stat. Auth.: ORS 447.231, 447.247, 455.030, 455.110, 455.112, & 455.610

Stats. Implemented: ORS 447.247, 455.110 & 455.112

Hist.: BCA 18-1993, f. 8-24-93, cert. ef. 8-29-93; BCA 28-1993, f. 10-22-93, cert. ef. 1-1-94; BCD 6-1994, f. 2-25-94, cert. ef. 5-1-94; BCD 22-1994, f. 9-28-94, cert. ef. 1-1-95; BCD 31-1994(Temp), f. & cert. ef. 12-23-94; BCD 32-1994, f. & cert. ef. 12-30-94; BCD 2-1995, f. & cert. ef. 2-9-95; BCD 5-1995, f. & cert. ef. 3-15-95; BCD 2-1996, f. 2-2-96, cert. ef. 4-1-96; BCD 6-1996, f. 3-29-96, cert. ef. 4-1-96; BCD 12-1997, f. 9-10-97, cert. ef. 10-1-97; BCD 19-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 24-1998(Temp), f. & cert. ef. 12-1-98 thru 5-29-99; Temporary Rule repealed by BCD 3-1999, f. 3-12-99, cert. ef. 4-1-99; BCD 5-1999, f. 6-17-99, cert. ef. 10-1-99; BCD 12-1999(Temp), f. 9-23-99, cert. ef. 11-1-99 thru 4-28-00; BCD 2-2000, f. 1-14-00, cert. ef. 4-1-00; BCD 20-2000, f. 9-15-00, cert. ef. 10-1-00; BCD 8-2001, f. 7-17-01, cert. ef. 10-1-01; BCD 18-2001, f. 12-21-01, cert. ef. 1-1-02; BCD 14-2003, f. 8-13-03, cert. ef. 10-1-03; BCD 18-2003(Temp) f. & cert. ef. 11-14-03 thru 5-11-04; BCD 5-2004, f. & cert. ef. 4-1-04; BCD

16-2004, f. 9-24-04, cert. ef. 10-1-04; BCD 21-2004, f. & cert. ef. 10-1-04; BCD 9-2005(Temp), f. & cert. ef. 4-7-05 thru 9-30-05; BCD 14-2005, f. & cert. ef. 7-5-05; BCD 18-2005(Temp), f. & cert. ef. 7-12-05 thru 9-30-05; BCD 22-2005, f. 9-29-05, cert. ef. 10-1-05; BCD 23-2005, f. 9-29-05, cert. ef. 10-1-05; BCD 1-2006, f. & cert. ef. 2-1-06; BCD 9-2006, f. 6-30-2006, cert. ef. 7-1-06; BCD 1-2007, f. 2-15-07, cert. ef. 4-1-07; BCD 9-2008(Temp), f. & cert. ef. 6-25-08 thru 12-22-08; BCD 20-2008, f. 9-30-08, cert. ef. 10-1-08; BCD 4-2010, f. 5-14-10, cert. ef. 7-1-10; BCD 19-2010, f. 12-30-10, cert. ef. 1-1-11

918-480-0010

Amendments to the Oregon Residential Specialty Code

(1) The **Oregon Residential Specialty Code** is adopted and amended pursuant to OAR chapter 918, division 8. Amendments adopted for inclusion into the **Oregon Residential Specialty Code** are placed in this rule, showing the section reference and a descriptive caption.

(2) Effective April 1, 2008:

(a) The 2006 Edition of the Uniform Plumbing Code, as published by the International Association of Plumbing and Mechanical Officials and amended by the division, is adopted to provide the plumbing provisions of the **Oregon Residential Specialty Code**; and

(b) The 2008 Edition of the NFPA 70, National Electrical Code as amended by the division is adopted to provide the electrical provisions of the **Oregon Residential Specialty Code**. See OAR chapter 918, division 305 for Oregon amendments to NFPA 70, National Electrical Code.

(3) During the phase-in period established in OAR 918-480-0005(3), plans designed to the **2005 Oregon Residential Specialty Code** must use the plumbing and electrical provisions included in that 2005 code. Plans that are designed to the **2008 Oregon Residential Specialty Code** must use the plumbing and electrical provisions adopted in this rule.

(4) Effective October 1, 2008, the following sections of the **2008 Oregon Residential Specialty Code** are amended:

(a) Section R 109.1.4.1 Moisture content.

(b) Section R318.2 Moisture content.

(5) Effective February 1, 2009, following sections of the **2008 Oregon Residential Specialty Code** are amended:

(a) Section R602.10.9 Interior braced wall support.

(b) Section R613.2 Window sills is added
(c) Section R.613.2.1 Operation for emergency escape is added

(d) Chapter 43 Referenced Standards.

(6) Effective October 1, 2009, the following sections of the **2008 Oregon Residential Specialty Code** are amended:

(a) Section AG106 Entrapment Protection for Swimming Pool and Spa Suction Outlets is added.

(b) Section AG107 Abbreviations.

(c) Section AG108 Standards.

(7)(a) Effective January 1, 2010, the following sections of the **2008 Oregon Residential Specialty Code** are amended:

(A) Section R703.1 General

(B) Section R703.1.1 Exterior Wall Envelope

(b) Changes to the **2008 Oregon Residential Specialty Code** made by subsection (a) of this section are subject to a grace period ending March 31, 2010. During the grace period, the building official must approve installations that meet either the standard adopted under Section R703.1 prior to this amendment or the standard established by this amendment.

(8) Effective January 1, 2011, the **2008 Oregon Residential Specialty Code** is amended by adopting Appendix F Radon Control Methods. This provision is adopted January 1, 2011 but do not become enforceable until April 1, 2011 as authorized by Chapter 83, 2010 Laws (Senate Bill 1025).

(9) Effective January 1, 2011, Appendix N (**2010 Oregon Structural Specialty Code**) is amended by adding Section AN115 Radon Mitigation. This provision is adopted January 1, 2011 but does not become enforceable until April 1, 2011 as authorized by Chapter 83, 2010 Laws (Senate Bill 1025).

NOTE: The amendments are published in their entirety in Table 2-R beginning on page 9.

[Publications: Publications referenced are available for review at the division. See division web site for information on where to purchase publications.]

Stat. Auth.: ORS 455.020, 455.110, 455.525 & 455.610

Stats. Implemented: ORS 455.610

Hist.: BCA 18-1993, f. 8-24-93, cert. ef. 8-29-93; BCA 28-1993, f. 10-22-93, cert. ef. 1-1-94; BCA 29-1993, f. 11-24-93, cert. ef. 12-1-93; BCD 6-1995, f. 3-31-95, cert. ef. 4-1-95; BCD 3-1996, f. 2-2-96, cert. ef. 4-1-96; BCD 22-1996(Temp), f. 10-1-96, cert. ef. 10-4-96; BCD 5-1997, f. 3-21-97, cert. ef. 4-1-97; Administrative Reformatting 1-19-

98; BCD 3-1998, f. 1-29-98, cert. ef. 4-1-98; BCD 19-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 3-2000, f. 1-14-00 cert. ef. 4-1-00; BCD 19-2000(Temp), f.& cert. ef. 8-15-00 thru 2-10-01; BCD 32-2000, f. 12-27-00, cert. ef. 1-1-01; BCD 3-2001, f. 2-9-01, cert. ef. 3-1-01; BCD 2-2002, f. 3-5-02, cert. ef. 4-1-02; BCD 22-2002(Temp), f. 9-13-02 cert. ef. 10-1-02 thru 3-29-03; BCD 30-2002, f. 12-6-02, cert. ef. 1-1-03; BCD 1-2003(Temp), f. & cert. ef. 1-10-03 thru 3-31-03; BCD 33-2002, f. 12-20-02 cert. ef. 4-1-03; BCD 15-2004, f. 9-10-04, cert. ef. 10-1-04; BCD 5-2005, f. & cert. ef. 3-28-05; BCD 9-2006, f. 6-30-06, cert. ef. 7-1-06; BCD 1-2007, f. 2-15-07, cert. ef. 4-1-07; BCD 5-2008, f. 2-22-08, cert. ef. 4-1-08; BCD 13-2008(Temp), f. & cert. ef. 7-3-08 thru 12-30-08; BCD 21-2008, f. 9-30-08, cert. ef. 10-1-08; BCD 24-2008(Temp), f. & cert. ef. 10-6-08 thru 4-1-09; BCD 1-2009, f. 1-30-09, cert. ef. 2-1-09; BCD 8-2009, f. 9-30-09, cert. ef. 10-1-09; BCD 5-2010, f. 5-14-10, cert. ef. 7-1-10; BCD 19-2010, f. 12-30-10, cert. ef. 1-1-11