

CODE LINK

STATE OF OREGON • BUILDING CODES DIVISION

SEPTEMBER/OCTOBER 2002

Law changes bring new program-assumption process, deadlines

by Patrick Lewis



OAR 918-020-0095 and 918-020-0105 implement the provisions of House Bill (HB) 3613, as passed by the 2001 Oregon Legislative Assembly. The new rules, which became effective July 1, 2002, established the four main provisions of the bill as summarized below and resulted in the repeal of OAR 918-020-0100, 0110, 0120, 0130, 0140, 0150, 0160, and 0170.

The new rules:

- Require building departments seeking to assume new building code programs to become full-service program providers. This means the municipality is required to assume administration and enforcement of all the specialty code programs listed in ORS 455.148(1) within its jurisdiction. The bill doesn't force existing building departments to become full-service unless they request additional program responsibility. However, all municipalities beginning building code programs are required to provide full-service programs regardless of their size, location, or resources.
- Require municipalities seeking to assume new programs to submit schedules of public meetings, operating plans, and

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assumption plans demonstrating their ability to (1) administer programs for a minimum of four years; (2) maintain or improve services; (3) identify proposed staffing, service contracts, and intergovernmental agreements for the first two years of operation; (4) operate financially feasible programs for at least two years without unduly increasing short- and long-term service costs to the public; and (5) transition programs from previous providers. This information must be submitted to BCD on or before October 1.

- Require BCD to notify interested persons of requests for program assumption by October 15. The new rules permit objections to proposed program assumptions if the objections are submitted to BCD within 30 days of program-assumption notification. The division will review the objections for their relevance to the municipality's ability to effectively carry out the program and meet the required standards of the applicable statutes and rules. The program

assumption will be approved or denied by the division no later than April 1; if approved, the program assumption would take effect July 1.

While the new rules allow municipalities to continue administering existing full-service or partial-service programs, they require certain information to be submitted to BCD:

- Completed division program assumption forms
- A list of current staff and contract providers and their applicable certifications
- An updated copy of the municipality's operating plan
- A narrative describing any changes to the plan

This is a summary of the requirements. For more information, please refer to ORS 455.148 and 455.150 and OAR 918-020-0090, 918-020-0095, 918-020-0105, and 918-020-0180. See also the Building Codes Division's Web site, www.oregonbcd.org. ■

Law changes compliance-program options

by Patrick Lewis



Sections (8), (9), and (10) of OAR 918-020-0090 were recently amended to incorporate the provisions of 2001 House Bill 2153. HB 2153 provides more opportunity for municipalities to establish their own compliance programs with minimum criteria.

The new rules reflecting these changes went into effect July 1 and allow local building departments to choose one of four compliance-program options:

- Enact local regulations to create an enforcement program with local procedures and penalties

- Use BCD's compliance program by submitting compliance reports to the division
- Act as an agent of a BCD board pursuant to ORS 455.156
- Develop a program that may include, but not be limited to, a combination of the above three options

In addition, the new rules require a local building department's compliance-program policies and procedures to be included in its operating plan. ■

Fee-adoption process subject to amended rules

by Patrick Lewis



Effective July 1, any municipality intending to adopt increased building-inspection-program fees for specialty codes it administers and enforces needs to comply with the amended rules. OAR 918-020-0220 was recently amended to incorporate the requirements of House Bill 2660, passed by the 2001 Oregon Legislative Assembly.

Summary of the amended rules:

The municipality shall notify the division of any new fee adoptions **45 days** prior to the adoptive date. The municipality's notification shall include a summary consisting of the following:

- The affected specialty code or program areas
- A description of the proposed building-inspection program fees, including the approximate percentage of increase, if applicable
- The proposed date of the fee increase
- The date of the last fee increase in the specialty code or program areas, if applicable
- The anticipated date, time, and location of the local municipal hearing scheduled pursuant to ORS 294.160
- The name, phone number, and title of a contact person
- An explanation of the purpose of the proposed fee adoption

Upon notification from BCD that an appeal request has been received under ORS 455.210 or 479.845, the municipality shall submit further documentation to be received by the division within **15 days** following the notification. This documentation shall include, but not be limited to the following:

- An explanation of why the building inspection program fees are necessary at the level proposed

- The municipality's newly adopted fee schedule and, if applicable, the previous fee schedule
- Revenue and expense information for the building-inspection program that includes the current fiscal year, with a minimum of 12 months actual and 12 months projected revenues and expenses
- An explanation of the municipality's cost-allocation method(s) for expenses
- An explanation of all reserve and ending fund balances
- A determination of whether the fee is reasonable; analysis to include the following:
 - Whether the fee is comparable to fees charged by other municipalities of similar size and location for the same level of service
 - Whether fee was established through methods the same as, or similar to, those used by other municipalities
 - Whether fee is the same type as those charged by other municipalities for similar services
 - The identification of building-inspection-program changes anticipated as a result of the proposed fee increase

The municipality shall update its operating plan on file with BCD within **30 days** of the adoption of a new building-inspection-program fee schedule. The update shall include sufficient information for the division to determine how the fee revenue will be used within the building-inspection program. ■

Reinspection fees

This is a reminder that Building Codes Division charges reinspection fees in accordance with the appropriate statute or rule as follows:

Discipline	Rule, code or statute	Fee	Definition
Electrical			
Reinspection	OAR 918-309-0070 (4) and (7)	\$55 each	Fees for inspections in excess of those allowed.
Other	OAR 918-309-0070(7) OAR 918-309-0070(8)	\$55 \$86 per hour	Fees for inspections in excess of those allowed. Fees for inspections not covered by 918-309-0070 rules. Charge is per hour, including travel and office time with a minimum of one hour.
Plumbing			
Reinspection	OAR 918-780-0080 (11),(a)	\$40 per inspection	Reinspection of violations found at a second or later inspection.
Double	OAR 918-785-0200(1)(b)	Permit fee doubled	Plumbing permit fees shall be doubled if installation is started prior to issuance of the permit, except that this provision will not apply to proven emergency installations, in which case a permit shall be obtained within 5 days of starting installation.
Mechanical			
Reinspection	OAR 918-440-0050 OMSC 106.5.2	\$19.50 each	Assessed for each inspection or reinspection when work for which inspection is called for is not complete or when corrections are not made. May also apply when inspection record card is not posted or made available, when plans are not made available on the site, for failure to provide access on the date for which inspection was requested, or for deviating from plans requiring approval of the BO.
Other	OMSC 105.5.1	\$19.50 per hour	Inspections for which no fee is specifically indicated
Other	OMSC 105.5.1	100% +	Any person who commences work on a mechanical system before obtaining the necessary permits shall be subject to 100% of the usual permit fee in addition to the required permit fees.
Structural			
Reinspection	OAR 918-460-0050 OSSC 108.8	\$19.50 per inspection	Assessed for each inspection or reinspection when work for which inspection is called for is not complete or when corrections are not made. May also apply when inspection record card is not posted or made available, when plans are not made available on the site, for failure to provide access on the date for which inspection was requested, or for deviating from plans requiring approval of the BO.
Investigation	OSSC 107.5.1	Equal to permit fee	Whenever any work, for which a permit is required, has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work. An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The amount shall be equal to the amount of the permit fee.

Discipline	Rule, code or statute	Fee	Definition
Structural, <i>continued</i>			
Other	OAR 918-460-0050	\$19.50 per hour	Inspections for which no fee is specifically indicated, minimum charge 1/2 hour.
Prefab			
Reinspection	OAR 918-674-0155 (5),(e) and (8),(c)	\$60 per hour, not to exceed Table 1 for 50% of the building valuation	A reinspection fee may be assessed for each inspection or reinspection when the work for which an inspection is called for is not complete or when required corrections are not made.
Investigation	OAR 918-674-0155 (8),(a)	Equal to and in addition to the permit fee	A special inspection fee shall be paid before a permit is issued for work started without a permit.
Manufactured dwelling			
Reinspection	OAR 918-500-0110(6) OAR 918-500-0100(4) OAR 918-500-0105	\$55 per hour + \$27.50 for every additional 30 minutes or fraction including travel time. Mileage is to be reimbursed at DAS rate.	(6) Persons requesting inspections when work is not ready for inspection, or causing an inspector to make an additional trip for failure to make corrections or failure to notify the Division of corrections shall be charged re-inspection fees as described in OAR 918-500-0100(4). (4) Hourly Re-inspection Fee: Same fee schedule as noted in sections (1), (2), and (3) of this rule.
Other	918-500-0100 918-500-0110(1), (4) and 5		(1) When the Division determines that a person has failed to obtain required inspections, permits, labels, insignias, tags, or plan reviews, which requires the Division staff to work outside normal business hours, the person shall be charged additional fees as described in sections (4) and (5) of this rule.
			(4) Persons requesting or requiring inspections or field technical service outside the normal business hours of the Division shall be charged fees at 1 and 1/2 times the amounts shown in OAR 918-500-0100 except for travel expenses. (5) Persons requesting or requiring inspections or field technical service on recognized state holidays shall be charged two times the amounts shown in OAR 918-500-0100 except for travel expenses.

If you have questions, please contact Sharon Domaschofsky, (503) 373-1215. ■

Office type, location, and coverage information

<p>Salem Field Operations Office Plan review Prefab programs Administration</p>	<p>Phone: (503) 378-6871 Fax: (503) 378-8983</p> <p>P.O. Box 14470 1535 Edgewater NW Salem, OR 97309</p>	<p>Open 8 a.m.-5 p.m. (including the noon hour), Monday through Friday.</p> <p>Field Ops Manager, Bob Garrison – (503) 373-1983 Field Ops Eastern Manager, Nanci Johnston – (541) 276-7814</p>
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Field offices

DCBS field offices perform plan reviews and sell structural, mechanical, electrical, plumbing, and manufactured-dwelling-placement permits.

<p>Coquille Field Office Curry County - Electrical program Coos County - All programs</p>	<p>Phone: (541) 396-2148 Fax: (541) 396-3974 P.O. Box 398 749 Riverside Drive Coquille, OR 97423</p>	<p>Open 8 a.m.-4 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.</p>
<p>Enterprise Satellite Office Wallowa County - All programs</p>	<p>Phone: (541) 426-6227 Fax: (541) 426-0208 104 NE 1st Street Enterprise, OR 97828</p>	<p>Open 8:30 a.m.-5:30 p.m. (excluding noon hour), Monday through Friday. Please call in advance to ensure that this BCD satellite office is open.</p>
<p>Pendleton Field Office Umatilla County: (Except City of Umatilla and Echo) Electrical in Pendleton: A-Level- Plumbing in City of Hermiston Union County: FLS plan review</p>	<p>Phone: (541) 276-7814 (800) 452-8156 Fax: (541) 276-9244 700 SE Emigrant, #360 Pendleton, OR 97801</p>	<p>Open 8 a.m.-4 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.</p>
<p>The Dalles Field Office Sherman County Gilliam County Wasco County Wheeler County Hood River: City and county - Electrical/Plumbing programs Electrical/Plumbing: Cascade Locks</p>	<p>Phone: (541) 298-4461 Fax: (541) 298-2667 2705 E 2nd Street The Dalles, OR 97058</p>	<p>Open 8 a.m.-4 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.</p>

Contract offices

Contract offices sell permits on behalf of BCD through intergovernmental agreements.

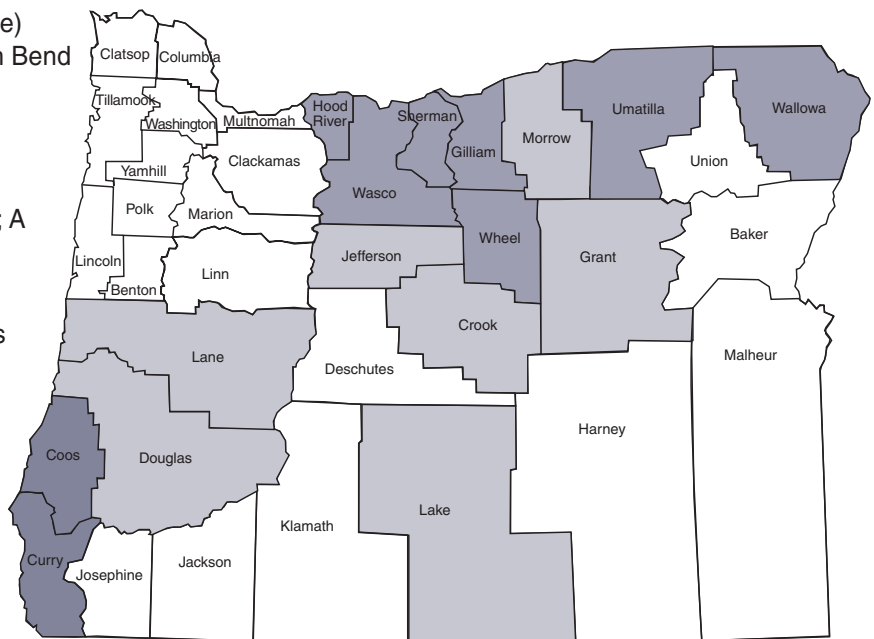
<p>City of Florence Electrical program (western Lane County, excludes area within Florence city limits)</p>	<p>Phone: (541) 997-8237 Fax: (541) 997-4109 250 Highway 101 N Florence, OR 97439</p>	<p>Open 8 a.m.-5 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.</p>
<p>Crook County Electrical program</p>	<p>Phone: (541) 447-3211 Fax: (541) 416-2139 300 E. 3rd Street Prineville, OR 97754</p>	<p>Open 8 a.m.-5 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.</p>
<p>Douglas County Electrical program</p>	<p>Phone: (541) 440-4287 Fax: (541) 440-4266 1036 SE Douglas Ave. Roseburg, OR 97470</p>	<p>Open 8 a.m.-5 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.</p>

Contract offices, *continued*

Grant County All programs Structural and mechanical permits for Grant County can be obtained through the Pendleton Office	Phone: (541) 575-1519 Fax: (541) 575-2248 200 S. Humboldt, Ste. 170 Canyon City, OR 97820	Open 8 a.m.-5 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.
Jefferson County Electrical program	Phone: (541) 475-3805 Fax: (541) 475-4616 Snap Shots 191 SE 5th St. Madras, OR 97741	Open 8 a.m.-5 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.
Lake County Electrical program	Phone: (541) 947-6032 Fax: (541) 947-6015 513 Center St. Lakeview, OR 97630	Open 9 a.m.-4 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.
Lane County Electrical program	Phone: (541) 682-6796 Fax: (541) 682-3947 125 E. 8th Ave. Eugene, OR 97401	Open 8 a.m.-5 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.
Morrow County City of Boardman (electrical permits only for Morrow County)	Phone: (541) 481-9252 Fax: (541) 481-3244 P.O. Box 229 202 N. Main Boardman, OR 97818	Open 8 a.m.-5 p.m. (excluding noon hour), Monday through Friday. Voice-mail calls and faxes outside of office hours will be handled the next workday. Requests for inspections may be left on voice-mail system 24 hours a day.

Territory covered as of July 2002

- Coos County All programs (Except Lakeside)
EL and PL: Coos Bay & North Bend
- Crook County EL program
- Curry County EL program
- Douglas County EL program
- Gilliam County All programs EL in Pendleton; A Level PL in City of Hermiston
- Grant County All programs
- Hood River City/County - EL/PL programs
EL and PL: Cascade Locks
- Jefferson County EL program
- Lake County EL program
- Lane County EL program
- Morrow County EL program
- Sherman County All programs
- Umatilla County All programs (Except City of Umatilla and Echo)
- Union County FLS plan review
- Wallowa County All programs
- Wasco County All programs
- Wheeler County All programs



- Western Field Offices**
- Eastern Field Offices**
- Contract Offices**

BCD field-operations manager introduced



Robert W. Garrison began his new role as field operations manager in the Salem office of the Building Codes Division in July. He will also serve as building official.

Garrison started his career in northern Idaho and, in 1998, he relocated to Oregon. He has more than 23 years of building-code-enforcement experience, ranging from inspector to plans examiner to engineer to building official. He is multi-certified through International Conference of Building Officials (ICBO) in the states of Oregon and Idaho and is certified as a building official through the International Code Council.

His background includes time as a Bonner County (Idaho) patrol sergeant and fire commissioner, a Federal Emergency Management Agency representative, and a

computer networking administrator and software developer. He has a civil engineering degree. Garrison has served on various ICBO committees and code-development teams. He was involved in the development of the Northwest energy codes in the early 1980s and taught code classes in western states. He currently serves on ICC and Oregon Building Officials Association committees and is an instructor for Chemeketa Community College.

Bob Futter, of the Pendleton BCD office, served as the interim building official for field operations following Peggy Collins' retirement.

Garrison's phone number is (503) 373-1983 and his fax number is (503) 378-8983. (Incidentally, he is not related to Robert L. Garrison, state fire marshal.) ■

Do you qualify to be a master builder?



The Building Codes Division encourages homebuilders to become certified master builders. Certified master builders are recognized for their code knowledge and compliance with Oregon laws and regulations. Certification is provided only after all qualification, training, and testing standards are met.

Eligibility for the master builder program is limited to general contractors who meet the minimum qualifications and pass the certification test. Most subcontractors are not eligible for this program.

Minimum qualifications

- Five years' builder registration with Construction Contractors Board or equivalent out-of-state agency

- Registered for the past two years with the CCB in Oregon
- Completion of approved training program for the One- and Two-Family Dwelling Specialty Code
- No violations of specialty code, licensing, or permitting requirements with BCD during the past three years
- No adverse final orders issued by CCB
- Submission of completed application and \$150 application fee

Please contact BCD's Salem office at (503) 378-4133 or (800) 442-7457 for further information about qualifying and applying for the master builder program. ■



Clackamas
Multnomah
Washington
COUNTIES

A BCD field office, the Tri-County Service Center administers the minor label program and coordinates forms, processes, and application of code for building programs in Clackamas, Multnomah, & Washington counties.

Tri-County Service Center

123 NE 3rd Ave., Ste. 440,
Portland, OR 97232-2901
Phone (503) 872-6731
TTY (503) 373-1358
Fax (503) 872-6735

Joan Stevens-Schwenger
..... manager
E-mail Joanie.M.
Stevens-Schwenger@state.or.us



Building Codes Division

Web site ... www.oregonbcd.org



News *flash*

A quarterly newsletter for electricians and electrical contractors

July-September 2002

NECA to sponsor code forum August 8

The National Electrical Contractors Association is sponsoring a free forum on electrical code issues from 4-7 p.m., Thursday, August 8, at the state office building, 800 NE Oregon St., Room 120C, in Portland.

AIA members may earn three hours HSW credit for attending. The Electrical Board has approved tri-county code forums for continuing-education units under certain circumstances: Because Oregon Administrative Rules only allow for credit

in increments of four hours, the Electrical Board has agreed to allow hours to accumulate for these forums, but CEU credits can be claimed only if the person seeking CEU credit participates in four hours or more of forums.

The purpose of forums is to discuss regional code applications and reach consensus on acceptable standards for the tri-county region. All area electricians, contractors, remodelers, architects, and building-department personnel are invited.

May 9 code forum questions and answers

Tri-county building officials have agreed to use the code panel's determinations for inspection standards. Please submit questions to the code forum by sending e-mail to Joanie.M.Stevens-Schwenger@state.or.us or faxing questions to the center, (503) 872-6731. An answer-request form is available on the BCD Web site, www.oregonbcd.org. Click on "Tri-County" and then "Code Forum Program."

Q Can the owner of a house do the wiring if he is renting to his daughter?

A No. Article 479.540 allows that the owner or immediate family member may wire a structure under a homeowner permit as long as the structure is not for sale, lease, or rent. "Immediate family" is defined as the owner's father, mother, brother, sister, son, daughter, son-in-law, daughter-in-law, grandson, granddaughter, grandfather, stepson, stepdaughter, brother-in-law or sister-in-law. A "rental agreement" supersedes "immediate family" in such cases.

Q When does a room with electronic equipment become a computer room and meet the requirements Article 645 — Information Technology Equipment?

A Art. 645 is applicable only if the area is intended and built to be a computer room.

Q ORS 479.540(2)(c) says an electrical license is not required if the installation is made by a person on the person's property in conjunction with the person's business. Does this allow the owner of a commercial structure to do his own electrical work if it is in connection with his business?

A Yes, if the property is used in connection with the owner's business and not for sale, lease, or similar purpose to other occupants.

Q Article 370-23(B)(1) states that nails (screws) used to fasten a box shall be on the outside of the box or within 1/4 of the back of the box. Article 370-43 states that attachment of nonmetallic box shall be on the outside of the box or the box shall be so constructed to prevent contact between the conductor and supporting screws. Is it permissible to install a nonmetallic box using screws at the front of the box and install a nonmetallic protection ring (stonco/goof ring) to prevent contact between screws and conductors?

A Code does not allow this specific installation, but code panel recommends a discussion with an inspector in advance to request an alternate method.

Q On flush-mount overhead services, rigid metallic conduit is installed in structure walls from the top of the meter up through the roofline. Is it permissible to install rigid metallic conduit under the house in the crawlspace from the concrete wall to the meter location?

A No. The service is required to be located nearest the point of entrance into the building. Article 230.6 does allow that the raceway, if encased in concrete, is considered to be outside the building.

Q When changing out a furnace (gas to gas), under what conditions do you have to bond a gas pipe? All metal pipe connection to the furnace, no dielectric unions?

A NFPA 54 formal interpretation No. 54-99-1: "Each aboveground portion of a gas piping system upstream of the equipment shutoff valve shall be electrically continuous and bonded to the grounding electrode system."

Continued...



Q Is it the intent of NFPA 54, 3.14(a) and NEC 250-104(b) (metal gas piping), to consider this bonding requirement to be satisfied where a grounded gas appliance is attached to the metal gas piping system, plastic-covered corrugated gas flex (CSST), existing gas pipe, or a run shorter than six feet?

A Yes in all circumstances. When a retrofit is made to a gas-appliance installation, and the existing wiring method does not contain an equipment ground, an approved grounding conductor shall be provided. All remodeling or new appliances must be to code.

Q When would you need an electrical minor label for a water heater repair or replacement?

A You do not need a permit for a like-to-like installation. OAR 918.309.0000(8)(e) does not require a permit for the replacement or repair of a water heater limited to 30 amperes. However, the installer must have an LMS license.

Q Is a receptacle within 36" from the edge of a bathroom basin acceptable even though it is below the edge? An example: a pedestal basin in a powder room.

A Yes.

Q In habitable rooms requiring at least one wall-switch-controlled lighting outlet, is it acceptable to have a remote-control switch?

A A switch is required by Article 4403.2 EX2 International One- and Two- Family Dwelling Code and 210-70 National Electrical Code. A remote control is allowed as long as there is a manual switch as the main control.

Q Do bathroom receptacles require a GFCI if they are located in a dedicated space behind a washer?

A Yes, all 15- and 20-amp 125-volt standard-configuration receptacles in bathrooms must have GFCI protection.

Q Even if the washer is in a closet behind folding doors?

A Yes.

Q What about the dryer receptacle?

A The dryer, if connected to the receptacles described above is not exempt from the GFCI requirement. If the dryer is connected to a 240-volt receptacle, GFCI is not required under current codes.

Q If someone replaces an existing 100-amp panel with a new 100-amp panel and replaces the service-entrance conductors without adding to the conduit, will he also have to upgrade the meter and the mast?

A No. However, replacement of the meter base would require that the riser be brought to code.

Q Could all the wire be replaced?

A Yes, as long as each component replaced is code-compliant.

Q If the wire in the mast appears to be #4 cloth covered in good condition, could the amperage be rated at 100 amps?

A Yes, assuming the conductor material is copper and the installation is for a 120/240 volt 3-wire, single phase dwelling.

Q Can a panel be recessed in a wall three to six inches?

A New-construction code doesn't allow panels to be recessed. In remodel work, recessed panels may be approved (definition in Article 100) if they meet the intent of the code.

Q I understand that you can extend up to two circuits under one minor label. Is there a limit to the number of receptacles or switches I can add to the circuit?

A The limit on the number of receptacles a circuit may have is based on load characteristics and whether loads are residential or commercial. It is not based on the number of receptacles.

440-2725 (7/02/COM)

 News flash

BCD's message to homeowners —
"Permits protect the safety and value of your home."

Our message to contractors —
Refuse to work without a permit!

Tri-County Service Center
123 NE 3rd Ave., Ste. 440
Portland, OR 97232-2901



Protecting the Safety
& Value of Your Home
www.permitsprotect.info

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For a free subscription to "News Flash,"
call Tri-County Service Center, (503) 872-6731.



Clackamas
Multnomah
Washington
COUNTIES

A BCD field office, the Tri-County Service Center administers the minor label program and coordinates forms, processes, and application of code for building programs in Clackamas, Multnomah, and Washington counties.

Tri-County Service Center

123 NE 3rd Ave., Ste. 440,
Portland, OR 97232-2901
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Stevens-Schwenger@state.or.us

Building Codes Division

Web site... www.oregonbcd.org



News *Splash*

A quarterly newsletter for plumbers and plumbing contractors

June/July/August 2002

Plumbing code forum scheduled July 25

The Plumbing and Mechanical Contractors Association is sponsoring a free forum on plumbing code issues from 4-7 p.m., Thursday, July 25, at the Clackamas County Auditorium, 9101 S.E. Sunnybrook Boulevard in Clackamas.

Qualifying participants may receive three hours of code-related credit from BCD or three hours HSW credit for AIA members.

The purpose of the forum is to discuss regional code applications and reach consensus on acceptable standards for the tri-county region. All

area plumbing contractors, plumbers, architects, and building-department personnel are invited. Forum organizers welcome questions and encourage contractors and building departments to submit questions to the center before the forum.

July 25 agenda:

Update on statewide code interpretations and process: Terry Swisher, state code chief

Open forum:

Panel and participants

April 25 code forum questions and answers

Tri-County building officials have agreed to use the code panel's determinations for inspection standards. Contractors and building department personnel may send questions for the forum to Joanie.M.stevens-Schwenger@state.or.us or fax them to the center, (503) 872-6731. An answer-request form is available on the BCD Web site, www.oregonbcd.org. Click on "Tri-County" and then "Code Forum Program."

Q Is a shower valve an "existing" fixture?

A No, a shower is a fixture (see the definition "plumbing fixture") and a shower valve is a fixture fitting, which is a part of the "water supply system."

Q Does the access panel or escutcheon make the valve "accessible"?

A Yes. "Accessible" is defined in the code in Chapter 2, and may require the removal of an access panel, door, or similar obstruction. An escutcheon is considered a similar obstruction.

Q If such a shower valve is accessible, is it permissible?

A Yes. Although it is accessible, it is concealed in the wall and requires a permit to install or replace.

Q If a permit is required, can you use a minor label for the installation?

A Yes. A permit is required and, when performing the installation in a one- and two-

family dwelling, a minor label could be used. However, the work should be left exposed for inspection if an inspection is requested. It is not appropriate for the plumbing inspector to dismantle portions of a plumbing system for the purpose of making inspections. When access is required for inspections it should be provided by the property owner or installer. The installer should advise the homeowner how to prepare the escutcheon for inspection.

Q Can a plumber use a plumbing minor label when replacing an existing leaking, gas hot water heater that is not a conversion?

A Yes, a plumbing minor label can be used when a plumber is changing a gas water heater, if the installation meets the criteria for a plumbing minor label. This forum cannot address permit issues in other code areas.

Q Is changing out a gas range covered under the minor label program?

A No.

Q While ORS 693.020(b) exempts the installer from being a licensed plumber on residential property provided the water pump equipment does not exceed 7.5 horsepower, is a permit and an inspection required if the installer is the homeowner? What if the installation is made by a licensed plumber?

Continued . . .



News Splash

BCD's message
to homeowners –
"Permits protect
the safety and
value of your
home."

Our message to
contractors –
Refuse to work
without a permit!



A Please see Section 447.010, 447.020. A permit and inspection are required for any plumbing pipe installed beyond the pressure tank, whether installed by a homeowner or a licensed plumber. Inspectors should begin the inspection of the plumbing system at the outlet side of the pressure tank and continue through the plumbing water system. By definition in the plumbing code, the "building supply" is the pipe that carries the potable water from the water meter or other water source to a building. This is also defined as water service. The water service begins at the outlet of the pressure tank.

Q In replacing an old water heater, must you follow the manufacturer instructions?

A An installation must, in all cases, be in compliance with the current code section of the uniform plumbing code, and the installation must be done to current code standards. Manufacturers are not authorized to adopt plumbing codes.

Background: Several questions have arisen concerning the location of clean outs and the type of 90-degree elbow required at the apex of the loop vent. This is in reference to Section 909.0 of the PSC and Section 3608.1 of the DSC.

Q May the end of the line clean-out be located in the vertical drain line within the cabinet?

A Yes.

Q Can the 90-degree elbow between the 45-degree elbows on the loop vent be a "short pattern vent 90-degree" or a "medium sweep drainage 90-degree" or a "long sweep radius 90-degree"?

A A medium-sweep or a long-sweep elbow may be used along with two 45-degree elbows to meet the code requirements for the top of the loop vent.

Q Can the vertical foot vent clean-out be located on accessible portion of the vertical piping?

A Yes.

Q Does a CPVC relief drain require CPVC orange or yellow glue with purple primer? Is this the only acceptable combination?

A One-step CPVC (gold-colored) glue does not require primer.

Q If I am unable to attach a minor label to the electrical-service panel because it hasn't been installed or because it's being replaced — where do I put it?

A Place the minor label permit on the installation itself in a visible location and follow up with a note on the permit log sheet as to its location.

440-2727 (7/02/COM)

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TRI-COUNTY
SERVICE CENTER



Clackamas
Multnomah
Washington
COUNTIES

A BCD field office, the Tri-County Service Center administers the minor label program and coordinates forms, processes, and application of code for building programs in Clackamas, Multnomah, & Washington counties.

Tri-County Service Center

123 NE 3rd Ave., Ste. 440,
Portland, OR 97232-2901
Phone (503) 872-6731
TTY (503) 373-1358
Fax (503) 872-6735
Joan Stevens-Schwenger
..... manager
E-mail Joanie.M.
Stevens-Schwenger@state.or.us



Building Codes Division

Web site... www.oregonbcd.org



News Site



A quarterly newsletter for home builders and contractors

June/July/August 2002

Home Builders Association to sponsor July 11 forum

The Home Builders Association is sponsoring a free forum on one- and two-family structural code from 4-7 p.m., Thursday, July 11, at the Local 290 meeting hall, 20210 SW Teton, in Tualatin.

Qualifying participants may receive three hours of code related credit from BCD, and AIA members may earn three hours HSW credit for attending.

The purpose of the forum is to discuss regional code applications and reach consensus on acceptable standards for the tri-county region. All area contractors, remodelers, architects, and building-department personnel are invited. ♦

Free training offered for contractors, building officials

The service center offers free training to contractors and building-department personnel. Each class provides two hours of code-related credit that may be approved by the building official.

Pre-registration is required. For more information and an application, call Bob Brown, (503) 872-6731.

Fire-Rated Assemblies, July 2, 8-10 a.m.

Washington County Juvenile Services Building, Room 105, First and Lincoln streets, Hillsboro

TJI Floor Systems, July 23, 7-9 a.m.

Troutdale City Hall, 104 SE Kibling St., Troutdale

April 4 Code Forum Questions and Answers

Tri-County building officials have agreed to use the code panel's determinations for inspection standards. Contractors and building department personnel may submit questions to the code forum by sending e-mail to Joanie.M.Stevens-Schwenger@state.or.us or faxing questions to the center, (503) 872-6731. An answer-request form is available on the BCD Web site, www.oregonbcd.org. Click on "Tri-County" and then "Code Forum Program."

Glazing in railings

Q In the Dwelling Code, Section 308.4, #8 refers to "glazing in railings above a walking surface." Is a stairway window considered to be part of the guardrail system when the bottom edge of the window is less than 36 inches above the stair or landing and the exterior grade is more than 30 inches below the stair or landing? Would there be a requirement for such a glazing to be tempered?

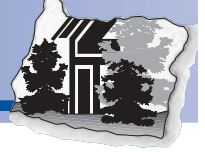
A No, the window wall would not be considered the open side of a landing. The window may fall under a subsection of Section 308.4 that may require it to be tempered, but the scenario described above would not automatically trigger the requirement for safety glazing.

Isolated footings

Q Section 403.1.2 of the Dwelling Code refers to isolated footings and lists two criteria to be met. When the criteria are not met, there is no method for design of isolated footings. Using Section 108 of the Dwelling Code, an alternate method of design can be used. Using the Oregon Structural Specialty Code (OSSC), Section 1922.10.3, plain concrete is not permitted in seismic Zone 3. Is reinforcement required for all isolated footings that do not meet the criteria of Section 403.1.2 of the Dwelling Code? If the answer is yes, would the design criteria for reinforcement of the footings be derived from Section 1910.5 in the OSSC?

A The Dwelling Code, in Table 502.3.4(2) allows an un-reinforced isolated footing of up to 30 inches by 30 inches by 15 inches. Compliance with specific performance-based provisions of the current edition of the OSSC in lieu of a prescriptive requirement of the Dwelling Code is permitted as an alternative.

Continued . . .



Clackamas
Multnomah
Washington
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News *Site*

Help area building departments develop consistent inspection standards by sending your questions to the code panel. How?

E-mail:
Joanie.M.Stevens-
Schwenger@state.or.us

Fax: (503) 872-6735
Phone: (503) 872-6731

Office hours:
7:30 a.m.–4 p.m.
Monday–Friday

Tri-County Service Center
123 NE 3rd Ave., Ste. 440,
Portland, OR 97232-2901



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Measuring rise

Q What is the correct point at which to measure rise at a sliding glass door — the front of the threshold, the highest point of the threshold, or the interior finished floor level?

A The correct point at which to measure rise at a sliding glass door is the top of the track or threshold.

Interior walls

Q In a two-family dwelling on a single lot, where the division between units is a wall (not located on a property line) and a ceiling/second-floor assembly, both of which are fire separations, do interior bearing walls that require fire protection have to extend all the way to grade? The bearing walls have post and beam support in the crawl-space. Do those supports need to be fire-protected?

A No to both questions. Section 320.1 requires fire-resistance rating from the floor assembly to the underside of the roof sheathing.

Braced panel

Q For wall-straightening purposes in a braced panel, is it permissible to notch the stud 1½ inches by 3½ inches and to add a strongback from the stud on each side as long as the flat strongback fills in the notch tightly and is face-nailed into the remainder of the stud?

A This issue is not addressed in the Dwelling Code and is considered an alternate method of construction, which may be approved by the building official through Section 108 in the Dwelling Code.

440-2737 (6/02/COM)

Engineered design

Q When an engineered design of a foundation is not required, are Dwelling Code Tables 404.1.1(1) or 404.1.1(2) to be used?

A Yes, the Dwelling Code Tables 404.1.1(1) or 404.1.1(2) are the only applicable provisions. Changing this would require a formal code-change submittal.

Load-resisting elements

Q For plans with engineered lateral-load-resisting elements, how should we apply the use of “drag struts” or “collectors” to the load-resisting elements such as shear walls or frames?

A Plans with non-prescriptive (engineered) lateral-load-resisting elements must show sufficient details of load transfer.

Load paths

Q Should one- and two-family dwellings have complete load paths?

A Yes, if the prescriptive provisions are followed in the Dwelling Code, they can be assumed to have load paths.

Portal frames

Q Can the wooden structural panels of portal frames and other shear walls be pieced, or must they be a single piece to the extent possible?

A The wooden structural panel sheathing used for portal frames, alternate bracing frames, or braced panels may be made up of pieces. The edges must be blocked and nailed in accordance with the edge nailing required for the particular use. ♦

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Compliance report

The Electrical and Elevator Board found the following violations of the Oregon electrical Safety Laws in May 2002:

CITY	NAME	VIOLATION	PENALTY
Aloha	Jana M. Miller	No electrical permit	\$1,000
	J.D. Miller Construction Co.		
Astoria	Greg S. Mills	No electrical permit/ no supervising or journeyman license	\$2,000
	A Better Door Co.		
Beaverton	Gustave Herdina	No electrical permit	\$1,000
	Beaverton Electric		
Beaverton	Paul White	No electrical permit	\$1,000
	Comp View, Inc.		
Cornelius	Jim R. Roofener	No electrical permit (two violations)	\$2,000
	Hillsboro Pump Service, Pipe & Supply, Inc.		
Gladstone	Curtis Rossman	No supervising or journeyman license	\$1,000
Hillsboro	William Roberts	No electrical permit	\$1,000
	Windsor Security Systems, Inc.		
Kansas City, MO	Matt Smedley	No supervising or journeyman license	\$1,000
Lake Oswego	Steve Cassidy	No electrical permit	\$2,000
	Grinnell Corporation		
Portland	Michael T. Tran Quang	No electrical contractor license/ no electrical permit/ no supervising or journeyman license	\$3,000
Portland	Gordon W. Cochran	No electrical permit	\$1,000
	Cochran Inc.		
Portland	Donald Brenneman	Allowed unlicensed individual to make electrical installation/ no electrical permit (two violations)	\$3,000
	Blaze Signs of America, Inc.		
Salem	Elmer Rose	No supervising or journeyman license	\$1,000
Salem	Darren Currier	No supervising or journeyman license	\$1,000
Salem	Gregory A. Rose	Allowed unlicensed individual to make electrical installation	\$1,000
	Electrum Inc.		

Salem	Darren E. Currier	No electrical contractor license/no electrical permit	\$2,000
	Aquarius Pump Service, Inc.		
St. Helens	Eric Huennekens	No supervising or journeyman license	\$1,000
Sutherlin	Martin E. Hopkins	No electrical contractor license/no electrical permit/no supervising or journeyman license	\$3,000
	Martin Hopkins Climate Control HVAC		
Sutherlin	Douglas M. Levys	No electrical contractor license/no electrical permit	\$2,000
	Doug's Remodeling & Construction		

The Director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in May 2002:

CITY	NAME	VIOLATION	PENALTY
Albany	Rodney Ray Stutzman,	No permit	\$250
	Plumbing Plus, Inc.		
Banks	Aaron A. Light	No permit	\$250
	Homes New & Old		
Beaverton	Harry J. Kim	Violated a final order (six violations)	\$90,000
	Amco Signs		
Clackamas	Jeff Hanson	No permit	\$250
	Elite Homes & Landscapes		
Columbia City	Bill Hall	Violated a final order	\$1,000
Fall Creek	Hans C. Oftedal	Violated a final order	\$5,000
	Green Hans Earthscaping Inc.		
Hillsboro	David Parkins	No permit	\$250
	Mr. Deck		
Jefferson	Michael L. Spencer	No permit	\$250
	Spencer Remodeling Company		
LaPine	Bradford L. Foote	No permit	\$1,000
	Metal Clad Buildings of Oregon		
Oregon City	Alaine Larsen	No permit	\$250
	Larsen Fire Protection, Inc.		
Portland	Ken Scrivner	Violated a final order	\$500
	Fullman International, Inc. Fullman Service Co., LLC		
Portland	Ted Papas, President	Violated a final order	\$1,000
	Downtown Delicatessen, Inc.		
Portland	David A. Gravelle	No permit (two violations)	\$1,000
	D.A. Gravelle		
Portland	Michael P. Mitchell	No permit	\$250
	Krystell-Ray		

Portland	Michael Kamerer	No permit	\$250
	TK Squared Enterprises, LLC		
Portland	Kandee Allemang	No permit	\$250
	Director of Legal and Insurance		
	The Salvation Army		
Portland	Ken Scrivner	No permit/no	
	Fullman International, Inc.	penalty assessed/local	
	Fullman Service Co., LLC	jurisdiction assessed	
		a double permit fee	\$0
Redmond	Jeffrey Alan Sheveland	No permit	\$250
	Sheveland Construction		
Sherwood	Brian E. Sheppard	No permit	\$250
	3 Mountains Plumbing, Inc.		
St Helens	Jason E. Moore	Violated a final order	\$5,000
The Dalles	Kay K. Tenold	Failure to make corrections	\$1,000
	Pomona Meadow Homes, Inc.		
Tigard	Terry Lee Mistler	No permit	\$250
Tigard	Michael E. Holscher	Violated a final order	\$100
	Columbia Heating & Cooling, Inc.		
Tigard	Michael E. Holscher	No permit	\$1,000
	Columbia Heating & Cooling, Inc.		
Tigard	William Brabant, President	No permit	
	Mr. Furnace Inc.	(two violations)	\$500
Wilsonville	Richard E. Hall	No operating permit	
	Smith Hall Industries, Inc.	(two violations)	\$2,000

The Board of Boiler Rules found the following violations of the Oregon Boiler Safety Laws in June 2002:

CITY	NAME	VIOLATION	PENALTY
Eugene	Gary Tressler	No boiler/pressure	
	Dependable Refrigeration, Inc.	vessel business license/ no installation permit (eight violations)	\$4,000
Gresham	David L. Ranieri	No boiler/pressure vessel individual certification	\$1,000
Gresham	Roy Croft	No boiler/pressure	
	Registered Agent & Member	vessel business license/ no installation permit	\$2,000
	Tri County Plumbing Co., LLC		
Hillsboro	Terry L Hummel	No boiler/pressure	
	Vacuum Technologies Co.	vessel business license/ no installation permit	\$2,000

Tigard	Gerald L. Reitmeier,	No boiler/pressure vessel business license/ no installation permit	\$2,000
	Reitmeier Mechanical, Inc.		

The Electrical and Elevator Board found the following violations of the Oregon Electrical Safety Laws in June 2002:

CITY	NAME	VIOLATION	PENALTY
Bend	Clifford S. Catterlin	No electrical contractor license/no electrical permit/ no supervising or journeyman license	\$3,000
	C.S.C. Contracting, Inc.		
Gaston	Robert Hedin	No electrical contractor	\$2,000
	Hedin's Heating and Sheet Metal Inc.	license/no electrical permit	
LaPine	James P. Day	Working as a signing supervisor for one company and a journeyman for another	\$1,000
Medford	Tim Knuchel	No supervising or journeyman license	\$1,000
Molalla	Kenneth Ledbetter	No electrical contractor license/no electrical permit	\$2,000
	Kentec Heating Contractor, Inc.		
Oregon City	Jeff Jolly, Manager	No accident reporting	\$1,000
	Facilities Maintenance Dept. Clackamas County, an Oregon County		
Oregon City	Jeffrey G. Young	No electrical permit	\$1,000
	Cascade Integrated Systems		
Portland	Ben Ciobano	No supervising or journeyman license (two violations)	\$2,000
Roseburg	Norris G Strauch	No electrical contractor license no electrical permit/ no supervising or journeyman license/	\$1,500
	Rainbow Homes Inc, an Oregon corporation, formerly known as Rainbow Mobile Home Service, Inc.		
Seaside	Michael E. Watson	No supervising or journeyman license	\$1,000
Silverton	Brian Orueta	No electrical permit	\$1,000
Tillamook	Stephen K. Wirick	Allowed unlicensed individual to make electrical installation	\$1,000
	Wirick Electric		
Tualatin	Greg Pelser	No electrical permit	\$1,000
	Hunter Davisson, Inc.		
Vancouver, WA	Russell Magnuson	No electrical permit	\$1,000
	Russell Magnuson Electric		

The Plumbing Board found the following violations of the Oregon Plumbing Specialty Codes in February 2002:

CITY	NAME	VIOLATION	PENALTY
Amboy, WA	Sam W. Carter	No plumbing journeyman certificate of competency	\$1,000
Bandon	Raymond Caswell	No plumbing business certificate of registration/no plumbing journeyman certificate of competency	\$2,000
	Raymond Caswell Construction		
Dallas	Richard S. Simons	No plumbing business certificate of registration	\$1,000
	United Rooter and Drain Services		
Gladstone	Curtis Rossman	No plumbing journeyman certificate of competency	\$1,000
Gold Beach	Alan W. Severson	No plumbing business certificate of registration	\$1,000
	Al's Plumbing Repair Service		
Klamath Falls	Frances G. Case	No plumbing permit	\$1,000
	Case Plumbing Co.		
Lebanon	Kenneth Alcock	Allowing unlicensed individuals to make plumbing installations (nine violations)	\$4,500
	Al-Ben Inc.		
McMinnville	Robert S. Marshall	No plumbing business certificate of registration	\$1,000
	Mac Plumbing & Heating		
Oregon City	Mikel P. Patterson	Allowing unlicensed individuals to make plumbing installations	\$2,000
	Mike Patterson Plumbing, Inc.		
Portland	David C. Mikkelson	No plumbing permit/ no penalty assessed/ local jurisdiction assessed a double permit fee	\$0
	Watson Plumbing Services		
Portland	Michael T. Tran Quang	No plumbing business certificate of registration/ no plumbing journeyman certificate of competency	\$2,000
Portland	Jack R. Corman	No plumbing business certificate of registration	\$1,000
	Jack Corman Plumbing, Inc.		
Salem	Lawrence James Moore	No plumbing journeyman certificate of competency	\$1,000
Salem	Timothy F. Ferrando	Allowing unlicensed individual to make plumbing installations	\$1,000
	TNT Plumbing		
Springfield	Frank P. Dyemartin	No plumbing journeyman certificate of competency	\$1,000

Tigard	Leland R. Hall	No plumbing journeyman certificate of competency	\$1,000
Vancouver, WA	Robert Gray	No plumbing journeyman certificate of competency	\$1,000
Vancouver, WA	Tammy R. Folden	No plumbing business certificate of registration/ no plumbing permit	\$2,000
	Folden Construction, Inc.		
Wilsonville	Paul M. Bizon	No plumbing permit	\$1,000
	Pro Grass Landscape Services, Inc.		

The Director of the Department of Consumer and Business Services found the following violations of the Oregon Specialty Codes in February 2002:

CITY	NAME	VIOLATION	PENALTY
Beaverton	Harry J. Kim	Violated a final order	\$15,000
	AMCO Sign		
Irvine, CA	Yamage Technology, Inc.	Violated a final order	\$15,000
Portland	Richard Harvey	Violated a final order	\$2,500
	Interstate Mechanical, Inc.		
Portland	Aaron Simmons	Violated a final order	\$500
	Elite Contractors Incorporated		
The Dalles	Stephen J. Kane	Violated a final order	\$15,000
	Gorge Neon		
Vernonia	Robert M. Brown	Violated a final order	\$5,000



OSSC errata

The exception in Section 1106.1.10.3 of the Oregon Structural Specialty Code contains an incorrect reference. Section 1106.10.2 should be Section 1106.1.10.2. ■

Hazardous substance reporting is required



Oregon State Fire Marshal Robert L. Garrison reminds businesses and governmental facilities that they may need to report the possession of hazardous substances.

The *Oregon Community Right to Know and Protection Act* requires Oregon businesses and governmental facilities that use, store, manufacture, or dispose of reportable quantities of hazardous substances to notify the Office of State Fire Marshal within 30 days if not already submitting an annual Hazardous Substance Information Survey.

A substance is defined as hazardous if it meets the following criteria:

- Any substance associated with any type of physical or health hazard
- Any substance for which the manufacturer is required to develop a material safety data sheet
- Any substance or waste defined as hazardous by the Department of Environmental Quality
- Any non-sealed source of radioactive material
- Poisons and explosives

“The reason for reporting is clear: to provide emergency planners, emergency responders and the public with information about hazardous substances that are present within our communities,” said Garrison.

Substances requiring a material safety data sheet

Liquids: 50 gallons or more

Solids: 500 pounds or more

Liquefied or compressed gases: 200 cubic feet or more

Poisons or explosives

Liquids: 5 gallons or more

Solids: 10 pounds or more

Liquefied or compressed gases: 20 cubic feet or more

Extremely hazardous substances

For extremely hazardous substances, the reportable quantities are those listed above or the threshold planning quantity for the specific substance, whichever is lower.

Any quantity of a non-sealed source of radioactive material

The *Oregon Community Right to Know and Protection Act* (ORS 453.307 to 453.414), which was enacted in 1985, assures that information regarding hazardous substances used, stored, manufactured, and disposed of throughout the state is available to emergency responders, emergency managers, and the public.

If hazardous substances are present at or above the quantities listed, notify the OSFM by calling the Hazardous Substance Information Hotline, (503) 378-6835. ■

New filing dates

by Patrick Lewis



Due to changes in statute, two filing dates have been moved up. For those adopting new or increased fees, please be aware that effective as of July 1, all fee-adoption notices must be submitted to the division **45 days** prior to the proposed effective date. This is 15 days earlier than the previous statute. For more information, see related article “*Fee-adoption process subject to amended rules*” on Page 3.

For those seeking to assume new or additional building-code programs, the filing date is **October 1**. This is 45 days earlier than the previous due date. Also be aware that the process has become more complex for both the municipality and the division, so plan to start early this year. For more information, see related article “*Law changes bring new program-assumption process, deadlines*” on Page 1. ■

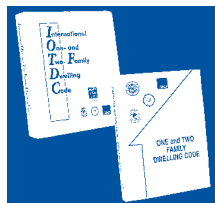
Structural-engineering interpretation for significant structures



Some time ago, a local building official raised the question of whether the engineering services provided to local building departments under OAR 918-020-0090(3)(b) require a structural engineer when they pertain to significant structures. This question was referred to the Engineers Board for its evaluation and interpretation of the laws and rules pertaining to the practice of engineering. The response from the board is that when a jurisdiction contracts with an engineer to provide advice relating to the plan review or

construction of significant structures as referred to in ORS 672.002 to 672.325, and their advice relates to the primary structural frame or lateral-load-resisting system and its elements or parts, the services of a structural engineer are required. The board indicated that other portions of the structure and structural frame could be reviewed by a non-structural-contract engineer. The rules pertaining to structural engineering are in OAR 820-040-0020. ■

Notice of Electrical Code amendments



The 2002 National Electrical Code with Oregon amendments (Electrical Specialty Code) is effective October 1. The amendments are in OAR Chapter 918, Division

305, and can be accessed through our Web site, www.oregonbcd.org by linking to **Administrative Rules**. ■

Board meeting dates

	Sun	Mon
1		2
8		9

ELECTRICAL & ELEVATOR BOARD _____

Meets at 9:30 a.m. on the fourth Thursday of each month:

- September 26
- October 24

BUILDING CODES STRUCTURES BOARD _____

Meets at 9:00 a.m. on the first Wednesday of each month:

- September 11

MANUFACTURED STRUCTURES & PARKS ADVISORY BOARD _____

Meets at 9:30 a.m. on the second Thursday of each quarter:

- October 10

STATE PLUMBING BOARD _____

Meets at 9:00 a.m. on the third Friday of every other month:

- October 18

BOARD OF BOILER RULES _____

Meets at 9:30 a.m. on the first Tuesday of each quarter:

- September 10

TRI-COUNTY BUILDING INDUSTRY SERVICE BOARD _____

Meets at 9:30 a.m. on the second Wednesday of every other month:

- October 9

MEETINGS ARE HELD IN THE SALEM BCD CONFERENCE ROOM AT 1535 EDGEWATER ST. NW, EXCEPT THE TRI-COUNTY SERVICE BOARD, WHICH MEETS IN PORTLAND.



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BPA & DOE offer free workshops for code officials



Bonneville Power Administration and the Department of Energy are offering workshops on distributed generation. Presentations will focus on how distributed generation works, safety features, interconnection, and code-specific details. There will also be an open exhibit for those interested in seeing a working fuel cell and microturbine.

Workshop Schedule	
Portland	10/24/02
Eugene	10/25/02
Seattle	10/30/02
Yakima	11/1/02
Boise	11/20/02

For more information, contact Mira Vowles, Bonneville Power Administration, (503) 230-4796, mkvowles@bpa.gov or register on-line, www.bpa.gov/Energy/N/tech/dg/index.shtml. ■

440-2666 (8/02/COM)

CODE LINK

STATE OF OREGON • BUILDING CODES DIVISION

CodeLink is a bi-monthly publication of the Building Codes Division, Oregon Department of Consumer & Business Services

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