

CHAPTER 1

ADMINISTRATION

<Chapter 1 is deleted.>



The following Oregon administrative rules, shown in a box, are included for the convenience of the users of this code, but are not part of the Oregon Plumbing Specialty Code.

DIVISION 690

ADMINISTRATION AND DEFINITIONS

918-690-0000 [Renumbered to 918-690-0300]

- 918-690-0005 [Renumbered to 918-690-0420]
- 918-690-0010 [Renumbered to 918-695-0010]
- 918-690-0015 [Renumbered to 918-780-0030]
- 918-690-0045 [Renumbered to 918-785-0010]
- 918-690-0052 [Renumbered to 918-695-0100]
- 918-690-0055 [Renumbered to 918-695-0020]
- 918-690-0060 [Renumbered to 918-785-0020]
- 918-690-0075 [Renumbered to 918-695-0120]
- 918-690-0085 [Renumbered to 918-695-0140]
- 918-690-0100 [Renumbered to 918-695-0300]
- 918-690-0105 [Renumbered to 918-695-0310]
- 918-690-0110 [Renumbered to 918-695-0320]
- 918-690-0120 [Renumbered to 918-695-0330]
- 918-690-0130 [Renumbered to 918-695-0340]
- 918-690-0140 [Renumbered to 918-695-0350]
- 918-690-0150 [Renumbered to 918-695-0360]
- 918-690-0160 [Renumbered to 918-695-0370]
- 918-690-0170 [Renumbered to 918-695-0380]
- 918-690-0180 [Renumbered to 918-695-0390]
- 918-690-0190 [Renumbered to 918-695-0200]
- 918-690-0200 [Renumbered to 918-690-0430]

Part A -- General Matters

918-690-0300

Reasonable Notice to Interested Parties

Before the adoption, amendment or repeal of any rule relating to plumbing under ORS Chapters 447 or 693, the Building Codes Division shall give notice of the intended action:

- (1) In the Secretary of State's Bulletin referred to in ORS 183.360 at least 21 days prior to the effective date; and
- (2) By mailing a copy of the notice to persons on the interested parties mailing list established under ORS 183.335(7); and
- (3) The Capitol Press Room.

Stat. Auth.: ORS 183.341

Stats. Implemented: ORS 183.341

Hist.: DC 2-1983, f. & ef. 1-3-83; Renumbered from 814-020-0000; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0000

918-690-0310

Description of the Division Organization

- (1) This rule is required by ORS 183.330.
- (2) (a) General Office. The general office of the Building Codes Division is at 1535 Edgewater NW, Salem, Oregon 97304 and the mailing address is Building Codes Division, P. O. Box 14470, Salem, Oregon 97309-0404. The general telephone number is 503-378-4133; FAX 503-378-2322. General requests for information or documents should be directed to this office.
 - (b) Plumbing Inspection. The plumbing inspection section of the Building Codes Division is managed by the Field Services Manager who reports to the Building Codes Division Administrator. The inspection staff is located in field locations throughout the state.
 - (A) Inspection requests should be directed to the closest field office; or
 - (B) General office.
- (3) Plumbing Specialty Code Interpretation and Enforcement. Plumbing Specialty Code development, formal interpretations and enforcement are handled in the general office.
 - (a) Requests to place items on the Plumbing Board agenda and requests for adoption or amendment of plumbing rules should be directed to the Chief Plumbing Inspector at the general office.
 - (b) Requests for Plumbing Specialty Code interpretation shall be directed to the Chief Plumbing Inspector.
- (4) Miscellaneous Fees. Requests and payment of fees for placement on the Plumbing Board meeting notice list or the plumbing rule making notice list should be directed to the Building Codes Division general office.

[Publications: The publication(s) referred to or incorporated by reference in this rule are available for review at the agency.]

Stat. Auth.: ORS 183.330

Stats. Implemented: ORS 183.330

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-690-0320

Purpose

The purpose of these regulations is to provide minimum standards to safeguard life or limb, property, and public welfare, by regulating and controlling the design, construction, quality of materials, use and occupancy, location and maintenance, of all plumbing systems and plumbing fixtures in all buildings or structures within this state, medical gas and medical vacuum systems, solar heating and cooling systems and certain other plumbing systems and plumbing fixtures specifically regulated herein.

Stat. Auth.: ORS 447.010 & ORS 447.020

ADMINISTRATION

Stats. Implemented: ORS 447.010 & ORS 447.020

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; Renumbered from 814-021-0102; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-750-0015; BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01; BCD 13-2002, f. 6-28-02, cert. ef. 7-1-02

918-690-0325

Requirement to Display License

A person shall be prepared to show their plumbing license or limited specialty solar heating or cooling system installer license to a Building Codes Division or local jurisdiction inspector, investigator or other employee empowered to enforce the Oregon Plumbing Specialty Code, anytime they are on the job site performing any activity for which a plumbing license is required.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 455.060

Hist.: BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00; BCD 3-2002, f. 3-5-02, cert. ef. 4-1-02; BCD 13-2002, f. 6-28-02, cert. ef. 7-1-02

Part B -- Hearings and Adjudicatory Procedures

918-690-0330

Attorney General Model Rules of Procedure

The Attorney General's Model Rules of Procedure, as adopted or amended by the division in OAR 918-001-0010, apply in all contested cases.

Stat. Auth.: ORS 183.341

Stats. Implemented: ORS 183.341

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

918-690-0360

Plumbing Specialty Code Change Procedures

(1) ORS 455.030 governs procedures for proposing Plumbing Specialty Code changes.

(2) Time lines and other procedures for code changes are in OAR 918-008-0030.

[Publications: The publication(s) referred to or incorporated by reference in this rule are available for review at the agency.]

Stat. Auth.: ORS 455.030

Stats. Implemented: ORS 455.030

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

Part D -- Definitions**918-690-0410****Cross Reference to Statutes**

Statutory plumbing definitions are generally in ORS 447.010 and 693.010. The following are among words defined by statute:

- (1) "Board" is defined in ORS 447.010;
- (2) "Building sewer" is defined in ORS 454.605;
- (3) "Journeyman Plumber" is defined in ORS 693.010;
- (4) "Limited Specialty Plumber" is defined by ORS 693.103;
- (5) "Plumbing" is defined in ORS 447.010.

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

918-690-0420**Definitions**

Scope of definitions:

- (1) "Administrator" means the Administrator of the Building Codes Division.
- (2) "Alterations" means to change, to take away, or to add to.
- (3) "Apprenticeship Plumbing Experience" means experience equivalent to the training standards of the Oregon State Apprenticeship Program for the specific category of plumber.
- (4) "Commercial or Industrial Installation" means an installation of plumbing fixtures in a commercial or public building and in areas of an apartment building, hotel, motel, or similar residential structure, open and available for use by the public at large, or by employees.
- (5) "Division" means the Building Codes Division.
- (6) "Equivalent Experience" means legal work experience gained outside the State of Oregon equal to general journeyman plumbing experience or apprenticeship plumbing experience.
- (7) "Existing Work" is defined in the Plumbing Specialty Code.
- (8) "General Journeyman Plumbing Experience" means experience equivalent to the standards required for completion of the Oregon State Apprenticeship Program.
- (9) "Inspection" means careful investigation, critical examination, or official examination and review of the plumbing installation at the site of the installation.
- (10) "Limited Specialty Plumber" means any person holding a valid limited specialty plumber's certificate of competency issued under ORS 693.103 and these rules.
- (11) "Medical Gas" means any gas and vacuum system or equipment intended for medical and dental procedures in health care and non-health care facilities within the scope of the Plumbing Specialty Code as defined in OAR 918-750-0110.
- (12) "Plumbing Specialty Code" means the Oregon State Plumbing Specialty Code as defined in OAR 918-750-0110.
- (13) "Solar Heating and Cooling System" means any configuration of plumbing equipment and components to collect, convey, store and convert the sun's energy for the purpose of heating or cooling potable water.
- (14) "Water Supply System" is defined in the Plumbing Specialty Code.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.010, 447.020, 455.110 & 693.103

Stats. Implemented: ORS 447.010, 447.020, 455.110 & 693.103

Hist.: DC 4, f. 8-13-71, ef. 9-11-71; DC 25-1978, f. 9-5-78, ef. 9-20-78; Renumbered from 814-021-0500; DC 2-1983, f. & ef. 1-3-83; Renumbered from 814-020-0006; BCA 18-1991, f. & cert. ef. 6-12-91; BCA 19-1993(Temp), 8-26-93, cert. ef. 9-1-93; BCA 26-1993, f. 10-22-93, cert. ef. 11-1-93; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0005; BC-22-2000, f. 9-19-00, cert. ef. 10-1-00; BCD 13-2002, f. 6-28-02, cert. ef. 7-1-02; BCD 24-2004, f. 12-15-04, cert. ef. 4-1-05

Part E -- Proof of Insurance

918-690-0430

Filing of Proof of Insurance by Installers of Low-Flow Showerheads or Faucet Aerators

- (1) A utility company, energy service provider or water supplier and its contractors installing low-flow showerhead or faucet aerators in existing plumbing fixtures covered by ORS 693.025 shall file proof of insurance with the division.
- (2) The filing requires a certificate of insurance from an insurance company qualified to do business in Oregon, insuring the person making the filing, indicating effective dates and evidencing public liability coverages of not less than \$25,000 bodily injury to one or more persons and not less than \$25,000 for property damage.

Stat. Auth.: ORS 693.025

Stats. Implemented: ORS 693.025

Hist.: BCA 20-1993(Temp), f. 9-24-93, cert. ef. 10-1-93; BCA 31-1993, f. 12-1-93, cert. ef. 12-3-93; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0200

DIVISION 695

LICENSING AND CONTINUING EDUCATION

Part A -- Licensing

918-695-0000

Authority, Scope and References

- (1) The board's licensing authority is in ORS chapters 447, 670 and 693.
- (2) These rules cover licensing requirements for plumbers.
- (3) Cross References. Statutory licensing requirements are in:
 - (a) ORS 693.030 for when individual plumbing licensing is required;
 - (b) ORS 447.030 for when plumbing contractor licensing is required;
 - (c) ORS 693.050 to 693.075 for plumbing journeyman certificates of competence; and
 - (d) ORS 693.103 for limited specialty plumbing licensing.
- (4) It shall be the obligation of every employer to comply with all applicable plumbing licensing laws. Registered plumbing businesses shall not allow an unlicensed employee to perform plumbing work.
- (5) It shall be unlawful for any licensed person to allow the use of their plumbing license by others to install

plumbing work, or for the purposes of obtaining a permit or inspection.

- (6) Licenses required under this section shall be carried at all times when performing plumbing work and shall be displayed at the request of any administrative authority.

Stat. Auth.: ORS 670.310 & ORS 693.100

Stats. Implemented: ORS 693.100

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 21-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-695-0020

License Exemptions

- (1) A license is not required for:
 - (a) A person to do the person's own work on the person's own residential building on the person's own premises, if the person complies with OAR chapter 918, division 690 and the plumbing requirements of the Oregon One- and Two-Family Dwelling Specialty Code; or
 - (b) To test, repair, service, maintain, install or replace any new or existing potable water pump equipment not exceeding seven and one-half horsepower on residential property and piping between such pump and storage tanks for such pumps, provided the person complies with all other provisions of OAR chapter 918, division 690.
- (2) All plumbing installations, alterations or remodeling in a commercial or industrial building being constructed or being offered for sale, exchange, rent or lease shall be made by a licensed Oregon journeyman plumber or by a registered Oregon apprentice plumber.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.060 & ORS 693.020

Stats. Implemented: ORS 693.020

Hist.: DC 2-1983, f. & ef. 1-3-83; Renumbered from 814-020-0040; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0055; BCD 21-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-695-0030

Journeyman Plumber Qualifications

Qualifications. The minimum qualifications to take the journeyman plumber's certificate examination are:

- (1) Satisfactory completion of a minimum four-year plumbing apprentice program in Oregon; or
- (2) Equivalency requirements of at least four years academic training and on-the-job experience as an apprentice plumber, lawful journeyman plumber, or combination of both meeting the following minimum requirements:
 - (a) General items. 144 hours of academic training per year for each of at least four years generally in the following as it applies to plumbing:
 - (A) Materials, Tools, Equipment;
 - (B) Mathematics, Science;
 - (C) Soldering and Brazing;

ADMINISTRATION

- (D) Plumbing and Related Codes;
 - (E) Drainage (DWV) Installations;
 - (F) Water Systems, Installations;
 - (G) Safety and First Aid;
 - (H) Blueprint Reading;
 - (I) Seismic Restraints.
- (b) Specific items: Subject -- Hours:
- (A) Sewerage: Sanitary and Storm Piping, Disposal:
 - (i) Residential -- 300;
 - (ii) Commercial -- 300.
 - (B) Drainage, Waste and Vent Piping (DWV):
 - (i) Residential -- 1,300;
 - (ii) Commercial -- 1,300.
 - (C) Soldering, Brazing, Welding:
 - (i) Residential -- 200;
 - (ii) Commercial -- 200.
 - (D) Water: Supply, Services, Mains, Appurtenances:
 - (i) Residential -- 1,100;
 - (ii) Commercial -- 1,100.
 - (E) Fixtures, Appliances, Trim and Supports:
 - (i) Residential -- 700;
 - (ii) Commercial -- 700.
 - (F) Miscellaneous Plumbing, Piping, Repair and Maintenance:
 - (i) Residential -- 250;
 - (ii) Commercial -- 250.
 - (G) Total Minimum Subject Hours:
 - (i) Residential -- 3,850;
 - (ii) Commercial -- 3,850.
- (c) A person with more than the minimum hours in any one specific item category may substitute up to 20 percent of the excess hours to meet the related minimum residential or commercial experience requirements in the same category.

Stat. Auth.: ORS 693.100

Stats. Implemented: ORS 693.050

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00; BCD 13-2004, f. 9-7-04, cert. ef. 10-1-04

918-695-0035

Medical Gas Installer License

- (1) All persons engaged in the installation, alteration or repair of medical gas and vacuum systems shall be

certified in accordance with the requirements of this section. Installation and repair of electrical devices and other components not related or directly attached to the medical gas service equipment or distribution systems are exempt from the requirements of this section.

- (2) Qualifications. The minimum qualifications to install medical gas systems are a current and valid:
- (a) Oregon journeyman plumber license or registration as an Oregon apprentice plumber; and
 - (b) Certification for medical gas installer issued by a division-approved certifying organization meeting the provisions of ASSE 6010-1997 Professional Qualifications Standard for Medical Gas Systems Installers; or
 - (c) Persons possessing special certification by the board to install medical gas and vacuum systems while in the employ of a business holding a special medical gas registration to install, repair and maintain medical gas systems and possessing a valid medical gas installer certification as defined under subsection (2)(b) of this rule.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.010

Stats. Implemented: ORS 447.010

Hist.: BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01; BCD 3-2002, f. 3-5-02, cert. ef. 4-1-02

918-695-0038

Special Business Registration and Installer Certification for Medical Gas Systems

- (1) The State Plumbing Board shall issue a special registration to businesses that provide the following:
- (a) Completed and signed division application for special business registration and evidence that demonstrates that the medical gas system installation, maintenance or repair activity of the business in Oregon was substantial during the two-year period commencing October 23, 1997, and ending October 23, 1999. "Substantial" activity under this subsection means documentary evidence in the form of two separate signed statements from an Oregon Certified Public Accountant and an Oregon business owner attesting that the company has done at least 40 medical gas piping projects or at least \$75,000 of gross business installing medical gas systems during the two-year period commencing October 23, 1997, and ending October 23, 1999;
 - (b) The issuance fee of \$50; and
 - (c) Names of all employees who are engaged in medical gas system installation, maintenance or repair of medical gas systems by the business.
- (2) The division shall issue a special medical gas installer certification to qualified persons who provide the following:
- (a) Completed and signed division application for special medical gas installer certification;
 - (b) The issuance fee of \$50; and
 - (c) List of companies with which employed.
- (3) All registrations and certifications issued under these rules shall be renewed annually and no registration or certificate shall be issued or active after July 1, 2006.

Stat. Auth.: 2001 OL, Ch. 629

Stats. Implemented: 2001 OL, Ch. 629

Hist.: BCD 3-2002, f. 3-5-02, cert. ef. 4-1-02; BCD 8-2005, f. & cert. ef. 4-1-05

918-695-0040

Journeyman Examination

Examination requirements. An applicant for certification as a journeyman plumber shall pass an approved examination. The written examination shall cover, but not be limited to:

- (1) Understanding of engineering and architectural drawings and plans sufficient to prepare a bill of materials and lay out a plumbing system;
- (2) Ability to compute areas of regular plane figures, volumes of regular solids, slopes, offsets, clearances, and weights of piping;
- (3) Selection and use of tools, materials and techniques commonly used in the plumbing trade;
- (4) The Plumbing Specialty Code, administrative rules relating to plumbing and plumbers and general scientific principles covering hydraulics;
- (5) A general knowledge of construction job safety and occupational safety standards; and
- (6) A basic understanding of disabled access provisions of the Oregon Structural Specialty Code related to plumbing.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 693.100, 183.335

Stats. Implemented: ORS 693.050, 183.335

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00; BCD 16-2006(Temp), f. 6-30-06, cert. ef. 7-1-06 thru 12-28-06; BCD 13-2006, f. 9-29-06, cert. ef. 10-1-06

918-695-0100

Procedures for Submitting Training Proposals for Limited Specialty Plumbers

- (1) The employer shall submit to the board a detailed description of the training program and the means of its administration for the branch of the plumbing trade which the employer will conduct under OAR 918-695-0100.
- (2) Program description shall include:
 - (a) The term of on-the-job training, including the minimum time required to learn, and the maximum time required by the employer to provide training, including any procedures for evaluating and crediting prior plumbing experience of the trainee;
 - (b) A breakdown of the job experience into work processes, and the number of hours of on-the-job training to be devoted to each work process;
 - (c) Provisions for related instructional training, including:
 - (A) The total hours of related training in addition to the on-the-job training;
 - (B) A breakdown of the related training into segments of instruction and hours to be devoted to each segment;
 - (C) Where and during what hours the related training shall take place; and
 - (D) The name of the related training instructor, if any, along with the instructor's qualifications in subject matter by experience and training; or
 - (E) The name of the correspondence course, together with any supplemental material to be used for related training; and
 - (d) The type and degree of on-the-job supervision of the trainee, including provision for assigning trainees to work under the supervision of a licensed journeyman or limited specialty plumber to the full extent necessary to insure proper training.
- (3) Procedures to provide for periodic evaluation and reporting of the trainee's program effectiveness, and the

maintenance of records of these evaluations shall be made available to the division and the board upon request.

- (4) Methods of evaluating the trainee shall be established and the evaluations reported at least annually to the division and the board. Evaluations include rating of the trainee's on-the-job progress by the trainee's supervisor and testing of the trainee's related training progress by the trainee's instructor or through a correspondence school.

Stat. Auth.: ORS 693.103

Stats. Implemented: ORS 693.103

Hist.: BCA 18-1991, f. & cert. ef. 6-12-91; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0052

918-695-0110

Reciprocal Agreements

Acting under the authority of ORS 670.380, the administrator with the consent of the board:

- (1) Establishes a list of states that have standards, qualifications and examinations for licensing or registration of journeyman plumbers substantially similar to that of Oregon; and
- (2) Enters into reciprocal agreements to issue certifications of registration as journeyman plumbers without examination.
- (3) A person licensed under a reciprocal agreement shall:
 - (a) Pay required and timely registration and renewal fees; and
 - (b) Comply with continuing education requirements following the reciprocal licensing. Payment of fees and Oregon continuing education requirements are required for reciprocal licensing.

Stat. Auth.: ORS 670.380

Stats. Implemented: ORS 670.380

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

918-695-0120

Limited Specialty Plumber Classification for Limited Maintenance Electrical Contractors

- (1) Authorization and Scope. This rule creates a limited specialty plumbing license to install and replace residential water heaters.
- (2) Persons Eligible for Licensing. A registered plumbing contractor also licensed under ORS 479.630 as an electrical limited maintenance specialty contractor can apply for this license. This allows licensing of:
 - (a) An individual holding a Limited Maintenance Specialty Contractor License;
 - (b) Officers or employees designated by a corporate Limited Specialty Contractor; or
 - (c) Any partner where a partnership is the Limited Specialty Contractor.
- (3) Employees of a sole proprietor or of a partnership identified in subsections (3)(a) and (c) of this rule cannot be licensed under this rule.
- (4) Procedure for Licensing. An applicant for licensing shall:
 - (a) Pay applicable fees;
 - (b) Have the application signed by the plumbing-electrical contractor;
 - (c) Attend an approved eight-hour training class for limited specialty residential water heater plumbing installation; and
 - (d) Pass a division-approved examination.

ADMINISTRATION

- (5) Training Class and Examination Requirements.
- (a) A limited specialty residential water heater plumbing class shall cover the requirements for installation of residential water heaters and the related administrative and enforcement provisions in statutes, rules and codes to obtain Chief Plumbing Inspector approval.
- (b) The examination shall test applicant's knowledge of the items covered in subsection (a) of this section.
- (6) Scope of Plumbing Authorized. As used in ORS 693.103(2):
- (a) "Installation and replacement of one- or two-family dwelling residential water heaters" includes open (non-covered and not intended to be covered) plumbing work in a one- or two-family dwelling related to:
- (A) Replacement or fuel conversion of an existing water heater;
- (B) Installation of up to two nipples with no nipple exceeding six inches and flex piping not exceeding 24 inches for each of the cold and hot water connections; and
- (C) Installation of piping and related appurtenances applicable to the temperature pressure relief valve.
- (b) "Existing plumbing" means the exposed pre-installed approved cold water supply piping used or designed to connect to the water heater extending to the exposed cold water shut-off supply valve. If there is no cold water shut-off supply valve, "existing plumbing" extends to and includes the connected water heater and does not allow a replacement by a limited specialty plumbing licensee under these rules.
- (c) "Alteration of existing plumbing" means any changes to existing plumbing and includes installation or replacement of a cold water shut-off supply valve regardless of whether one was initially installed. Alterations are not authorized under these rules and the limited specialty plumbing license.

Stat. Auth.: ORS 693.103

Stats. Implemented: ORS 693.103

Hist.: BCD 16-1994, f. 7-21-94, cert. ef. 9-1-94; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0075; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00; BCD 13-2006, f. 9-29-06, cert. ef. 10-1-06

918-695-0125

Limited Specialty Plumber Certificate of Competency for Solar Heating and Cooling System Installers

- (1) Authorization and Scope. This rule creates a limited specialty plumbing certificate of competency to install and replace solar heating and cooling systems.
- (2) Persons eligible for licensure. The experience and training requirements for licensure are:
- (a) A minimum of 2,000 hours on-the-job verifiable experience installing solar heating or cooling systems prior to July 1, 2002 if the application is received between July 1, 2002 and July 1, 2004; or
- (b) Satisfactory completion of a division-approved training program for Limited Specialty Plumber Solar Heating and Cooling Installers that includes the following:
- (A) A minimum of 288 hours of classroom training; and
- (B) A minimum of 2,000 hours of supervised on-the-job training; or
- (c) Equivalent lawfully obtained experience and training covering:
- (A) General items -- 500 hours of experience and training in:
- (i) Materials, tools and equipment;
- (ii) Mathematics and science;
- (iii) Soldering and brazing;
- (iv) Safety and Basic first aid;
- (v) Blueprints and solar codes;
- (vi) Water piping systems;

- (vii) Basic electricity;
- (viii) Administrative rules.
- (B) Specific training or work experience in:
 - (i) Plumbing of solar thermal systems -- 500 hours;
 - (ii) Installation of balance of system equipment -- 500 hours;
 - (iii) Roof mounting and equipment installation -- 500 hours;
 - (iv) Total Minimum -- 2,000 hours.
- (3) Procedure for Licensing. An applicant for licensing shall:
 - (a) Complete and sign the division application;
 - (b) Provide verification of the required training or equivalent experience; and
 - (c) Pay applicable fees;
- (4) Examination. All applicants must take and pass a division-approved written examination testing the requirements for installation of solar heating and cooling systems, and the related administrative and enforcement provisions.
- (5) Scope of Plumbing Authorized. The holder of a limited specialty plumber certificate of competency solar heating and cooling systems may:
 - (a) Install and replace solar heating and cooling systems, including collectors, heat transfer systems, heat storage and associated piping related to:
 - (A) Replacement or solar conversion of an existing water heating or cooling system;
 - (B) Installation of collectors, heat transfer systems, storage tanks, pumps, valves and associated piping; and
 - (C) Installation of piping and related appurtenances applicable to the temperature pressure relief valve.
 - (b) May not connect a solar heating or cooling system to a potable water source. The connection of a solar heating or cooling system to a potable water source shall be made only by a licensed journeyman plumber.
- (6) Nothing in these rules shall prohibit a licensed journeyman plumber from installing, replacing or repairing solar heating and cooling systems.

Stat. Auth.: ORS 693.111

Stats. Implemented: ORS 693.111

Hist.: BCD 13-2002, f. 6-28-02, cert. ef. 7-1-02; BCD 13-2006, f. 9-29-06, cert. ef. 10-1-06

918-695-0130

Limited Specialty Plumber Classification for Water Treatment Installers

- (1) Subject to permit requirements, a person holding this license is authorized to make connections to potable water systems and indirect waste connections to existing drain waste and vent systems.
- (2) This license does not authorize installation, alteration or remodel of drain, waste and vent piping systems.
- (3) Persons Eligible for Licensing. The requirements for licensing are:
 - (a) Satisfactory completion of a minimum 18-month Oregon State Apprenticeship Program for Limited Specialty Plumber Water Treatment Installer; or
 - (b) Equivalent lawful experience or training covering:
 - (A) General items. 210 hours of experience and training in:

ADMINISTRATION

- (i) Materials, tools and equipment;
- (ii) Mathematics and science;
- (iii) Safety regulations -- OSHA and state;
- (iv) Soldering and brazing;
- (v) Basic first aid;
- (vi) Blueprints and drawing training;
- (vii) Plumbing and related codes;
- (viii) Indirect waste piping;
- (ix) Water systems.

(B) Specific training in: Subject -- Hours:

- (i) Indirect Waste Piping -- 250;
- (ii) Water Supply, Services and Appurtenances -- 1,000;
- (iii) Pipe sizing;
- (iv) Fixture unit calculations;
- (v) Pumps and pressure systems;
- (vi) Design -- Present and planned plumbing system;
- (vii) Water Treatment Equipment Installation and Service -- 1,750;
- (viii) Backflow prevention;
- (ix) Cross connection prevention;
- (x) Total Minimum Hours -- 3,000.

(4) Examination. Only a written examination shall be required for this license.

Stat. Auth.: ORS 693.103

Stats. Implemented: ORS 693.103

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-695-0140

Apprentice Plumbers -- Interpretations

- (1) Authority and Scope. This rule is adopted by the board under ORS 670.310 and defines the conditions under which an apprentice plumber is authorized to engage in the trade of plumbing.
- (2) For the purposes of this rule the following shall apply, except where the context clearly means otherwise:
 - (a) An "appropriate journeyman plumber" is one or more certified journeyman plumbers working for the same employing plumbing contractor as the apprentice.
 - (b) "Employing plumbing contractor" is the apprentice's employer who must be a registered plumbing contractor.
 - (c) "Immediate work site" is the normal area in which an employing plumbing contractor's employees are expected to be, within the company's job assignment. In the case of a service call, "immediate work site" shall include the structure and adjacent grounds where plumbing is performed and immediate vicinity, such as where service vehicles are parked.
 - (d) "Immediately available for advice and direction by voice communication mode" means that an appropriate journeyman plumber and apprentice have voice communication devices allowing two-way conversations.
 - (e) "JATC" is the joint apprenticeship training committee that regulates the training for a specific apprentice.
- (3) A person is an "apprentice plumber" in ORS 693.010(1) and works under the supervision of a journeyman

plumber, within the scope of activities authorized by ORS 693.040, if an ORS Chapter 660 apprentice engages in the plumbing trade and any of the following conditions exist while a plumbing apprentice works at the trade of plumbing;

(a) The apprentice works in the physical presence of an appropriate journeyman plumber. This requires an appropriate journeyman plumber's physical presence at the immediate work site at all times, except for not more than a cumulative 30 minutes during any work shift, provided:

- (A) The 30 minutes referred to in subsection (a) of this section excludes time out for meals; and
- (B) An appropriate journeyman plumber is immediately available for advice and direction by voice communication during all absences.

(b) The apprentice works subject to the supervision of an appropriate journeyman who is immediately available to the apprentice by voice communication but not necessarily physically present, provided:

- (A) An appropriate journeyman plumber meets with the apprentice at least once each day to go over work done by the apprentice, with the meeting taking place either at the immediate work site or away from the work site;
- (B) The activity is consistent with the JATC's work requirements;
- (C) Only one apprentice plumber is working at a job site; and
- (D) The apprentice:
 - (i) Only engages in water heater replacement or conversion after completing at least six months of apprentice training; at least eight hours of related training in the type of work, and receiving documentation of training and successful evaluation from the JATC in the type of work.
 - (ii) Engages in work covered in subparagraph (i) of this paragraph and ordinary minor repairs as defined in OAR 918-780-0120 in a one- or two-family dwelling after completing at least three periods of apprentice training; receiving related training, and successful evaluation from the JATC in the type of work.
 - (iii) Engages in work covered by subparagraphs (i) to (ii) of this paragraph and general repairs maintenance and replacement of existing plumbing, after completing at least four periods of apprentice training; appropriate training, and successful evaluation from the JATC in the type of work.
 - (iv) Engages in work covered by subparagraphs (i) to (iii) of this paragraph and new or remodel installations after completing at least five periods of apprentice training; receiving appropriate training, and successful evaluation from the JATC in the type of work.

(4) Enforcement provisions.

(a) For the purposes of building codes enforcement of apprenticeship requirements against a plumbing contractor, the following evidence shall be considered as sufficient proof to support compliance action alleging that an apprentice was not working under the supervision of a journeyman plumber:

(A) An appropriate journeyman plumber was not available for advice and direction by voice communication mode to an apprentice, if the apprentice:

- (i) Does not know how to contact an appropriate journeyman plumber;
- (ii) Cannot within a 15-minute period reach an appropriate journeyman by voice communication mode; or
- (iii) Is not equipped with a voice communication device or does not have access to a telephone at the work site.

(B) An appropriate journeyman plumber was not at the immediate work site if the apprentice:

- (i) Is only allowed to work in the physical presence of a journeyman under subsection (3)(a) of this rule; and
- (ii) The apprentice works alone at the immediate job site for more than 30 minutes, excluding time off for the apprentice's normal meal break.

(C) An appropriate journeyman plumber did not meet with the apprentice at least once each day,

ADMINISTRATION

to review the apprentice's work, if the apprentice:

- (i) Is not able to state the time, place and type of work that was reviewed for each of the last two working days; and
- (ii) Cannot identify or describe the journeyman who did the review for each of the dates covered by paragraph (A) of this section.

(b) For the purposes of building codes enforcement of apprenticeship requirements against a plumbing contractor, an apprentice shall be considered as one required to work only in the physical presence of a journeyman under subsection (3)(a) of this rule if the apprentice did not produce the documentation complying with paragraphs (A) to (C) or (D) of this subsection.

- (A) Completion of a specific apprentice training segment;
- (B) Training covering the specific work being reviewed;
- (C) Successful evaluation report covering the specific work being reviewed;
- (D) A document from the JATC designating all the conditions of paragraphs (A) to (C) of this subsection were met.

Stat. Auth.: ORS 693.040

Stats. Implemented: ORS 693.040

Hist.: BCD 7-1995, f. & cert. ef. 5-10-95; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0085

Part D -- Certification of Plumbing Inspectors

918-695-0400

Rules Establishing Certification for Plumbing Inspectors

- (1) Scope: To promote effective and uniform enforcement of the Oregon Plumbing Specialty Code by improving the competence of plumbing inspectors, this rule establishes minimum training and experience qualifications to make inspections for compliance with the Oregon Plumbing Specialty Code.
- (2) A Plumbing inspector:
 - (a) Inspects plumbing installations regulated by the Oregon Plumbing Specialty Code;
 - (b) Inspects plumbing installations regulated by the Oregon Residential Specialty Code; and
 - (c) May do plumbing plan reviews as provided in OAR 918-780-0040.
- (3) Limits on Municipalities: Nothing in the rules prohibits a local government from establishing additional requirements in the selection and hiring of plumbing inspectors. Nothing in OAR chapter 918, divisions 750 to 785 is intended to dictate the internal administrative organization of a city or county or to limit or otherwise affect the authority of a municipality to dismiss or suspend an inspector.
- (4) Plumbing inspectors must meet continuing education requirements established by the division under OAR 918-098-1450.
- (5) Application for Certification or Appeals: A person seeking certification under this rule must apply for an Oregon Code Certification as provided in OAR 918-098-1025. A certification fee must be submitted with the application as listed in ORS 455.735.
- (6) Qualifications: An applicant will be certified as a plumbing inspector under this rule if the following minimum qualifications are met:
 - (a) Experience and Training:
 - (A) 3 years of employment and experience as a Journeyman Plumber, with an Oregon Journeyman Plumber's license or its equivalent;

- (B) A degree in mechanical engineering or certified professional registration with 2 years of work experience in plumbing design, installation or inspection;
- (C) 4 years of work experience in the inspection of plumbing installations of which at least 2 years is of commercial, industrial and multi-family structures, or if the 4 years of work experience is in the inspection of residential installations, the completion of a division-approved plumbing inspector training program; or
- (D) Equivalent experience and training of paragraphs (A), (B) and (C) of this subsection; or
- (E) Persons certified as Oregon one and two family dwelling plumbing inspectors as of April 1, 1998 and completing five years of plumbing inspection experience shall be considered qualified to sit for examinations as a plumbing inspector.

(b) Examination: Passing a board-approved examination on the Oregon Plumbing Specialty Code covering plumbing theory, inspection techniques, communication skills, public relations, design, installation, statutory rules, authority and materials.

(7) Training:

(a) Upon application, the division shall examine and evaluate any program or facility established by a municipality or educational institution for the training of plumbing inspectors.

(b) If the division finds that a training program meets the minimum requirements established pursuant to this rule, the division shall, in writing, certify the training program as qualified for such time and conditions as the division may prescribe. An individual complies with any minimum requirement for plumbing inspector established pursuant to classification and requirements in this rule after satisfactorily completing a training program certified under this rule.

(8) A person issued a plumbing inspector certification or a limited plumbing inspector -- building sewers certification after October 1, 2005 must also possess a valid Oregon Inspector Certification issued under OAR 918-098-1025 prior to performing plumbing inspections or plan reviews.

(9) Special Certification:

(a) Limited Certification: The division, with board approval, may issue a limited certification for special types of inspections. Such limited certification will only be issued after the applicant passes an appropriate test of knowledge and ability;

(b) Limited Plumbing Inspector -- Building Sewers. Limited certification for plumbing inspection of building sewers from five feet outside the building to the disposal terminal or connection with a main sewer line may be issued. To be certified, an applicant must have the following qualifications:

- (A) A Journeyman Plumber License;
- (B) Two years' experience in sewer design, installation, or inspection; or
- (C) Experience and training equivalent to paragraph (A) or (B) of this subsection approved by the board; and
- (D) Passing a board-approved examination on code, materials and installation practices for building sewers and sewers.

(10) For purposes of this rule, one year of experience is equal to 2,000 hours.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 455.720

Stats. Implemented: ORS 455.720

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; DC 79, f. 6-16-76, ef. 8-1-76; DC 102, f. & ef. 11-1-77; DC 1-1979, f. & ef. 1-5-79; DC 5-1979(Temp), f. & ef. 3-5-79; DC 9-1979, f. & ef. 6-8-79; DC 1-1983, f. & ef. 1-3-83; DC 6-1985, f. & ef. 2-8-85;

ADMINISTRATION

Renumbered from 814-021-0109; BCA 14-1992, f. 6-29-92, cert. ef. 7-1-92; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-750-0050; BCD 21-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00; BCD 16-2005(Temp), f. & cert. ef. 7-7-05 thru 12-31-05; BCD 24-2005, f. 9-30-05, cert. ef. 10-1-05; BCD 4-2006, f. 3-31-06, cert. ef. 4-1-06; BCD 19-2006, f. 12-29-06, cert. ef. 1-1-07

918-695-0410

Certification for Medical Gas Plumbing Inspectors

- (1) Scope. To promote effective and uniform enforcement of the Plumbing Specialty Code by improving the competence of plumbing inspectors, this rule establishes minimum training and certification qualifications to make inspections for compliance with the Plumbing Specialty Code. Persons employed for purposes of enforcing the requirements of other administrative agencies are exempt from this section.
- (2) No person shall be appointed or employed as a medical gas plumbing inspector by any municipality without being currently certified under the provisions of this rule.
- (3) Qualifications. Persons shall be certified as an Oregon plumbing inspector for inspections for compliance with the Plumbing Specialty Code.
- (4) Examination. Persons shall have a current and valid medical gas certification issued by a division-approved organization meeting the provisions of ASSE 6020-1997 Standard for Medical Gas Systems Inspectors Professional Qualifications.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.010

Stats. Implemented: ORS 447.010

Hist.: BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01; BCD 16-2005(Temp), f. & cert. ef. 7-7-05 thru 12-31-05; Administrative correction 1-20-06

DIVISION 750

CODES

918-750-0010 [Renumbered to 918-750-0110]

918-750-0015 [Renumbered to 918-690-0320]

918-750-0025 [Renumbered to 918-750-0120]

918-750-0030 [Renumbered to 918-750-0130]

918-750-0035 [Renumbered to 918-750-0140]

918-750-0050 [Renumbered to 918-695-0400]

918-750-0100

Scope of the Plumbing Specialty Code

- (1) The Plumbing Specialty Code shall be applicable and uniform throughout the state and in all municipalities.
- (2) No municipality shall enact or enforce any ordinance, rule or regulation in conflict with the Plumbing Specialty Code.

- (3) The Plumbing Specialty Code applies to all plumbing installations as addressed in ORS 447.020.
- (4) The One and Two Family Dwelling Specialty Code plumbing provisions apply to one- and two-family dwellings of three stories or less within the scope of that code.
- (5) The provisions of the Plumbing Specialty Code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of plumbing systems in commercial buildings, industrial buildings, prefabricated structures, and dwellings beyond the scope of the One and Two Family Dwelling Specialty Code.

[Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

918-750-0110

Oregon Plumbing Specialty Code

The 2008 Oregon Plumbing Specialty Code shall consist of the following, adopted by this reference, effective April 1, 2008:

- (1) The 2006 Edition of the Uniform Plumbing Code, Fifth Printing, Chapters 2-11, 13, 14, 15 and 16, Appendices A, B, D, E, and I published by the International Association of Plumbing and Mechanical Officials, except Appendices F, K, L and M are not adopted as part of the Oregon Plumbing Specialty Code;
- (2) Useful tables include the following Oregon Installation Standards and IAPMO Installation Standards in the Uniform Plumbing Code, "IS-1A-2007," "IS-1-2003," "IS-2-2003," "IS-3-2003," "IS-4-2003," "IS-5-2003," "IS-6-2003," "IS-7-2003," "IS-8-2003," "IS-9-2003," "IS-11-2003," "IS-15-2003," "IS-18-2003," "IS-20-2005," "IS-21-2003," "IS-26-2003," "IS-27-2003," "IS-28-2005," and "IS-29A-2007";
- (3) Medical Gas and Vacuum Systems Standard NFPA 99C-2002 Edition as published by the National Fire Protection Association.

[Publications: Publications are available for review at the division. See division Web site for information on purchasing publications.]

Stat. Auth.: ORS 447.020, 455.020, 455.030 & 455.110

Stats. Implemented: ORS 447.020, 455.020, 455.030 & 455.110

Hist.: DC 40, f. 1-6-75, ef. 2-1-75; DC 99, f. 9-2-77, ef. 11-1-77; DC 15-1979(Temp), f. 12-21-79, ef. 1-1-80; DC 2-1980, f. 2-14-80, ef. 3-1-80; DC 3-1980, f. & ef. 2-14-80; DC 4-1981, f. 5-15-81, ef. 7-1-81; DC 9-1981, f. & ef. 7-6-81; DC 14-1981(Temp), f. 10-30-81, ef. 11-6-81; DC 15-1982(Temp) f. & ef. 5-5-82; DC 1-1983, f. & ef. 1-3-83; DC28-1984, f. 9-5-84, ef. 10-15-84; DC 10-1985, f. & ef. 4-1-85; DC 4-1987, f. & ef. 3-4-87; DC 11-1987, f. & ef. 4-21-87; Renumbered from 814-021-0005; BCA 27-1989, f. 12-5-89, cert. ef. 1-1-90; BCA 14-1990, f. & cert. ef. 6-13-90; BCA 42-1991, f. & cert. ef. 12-23-91; BCA 19-1993(Temp), f. 8-26-93, cert. ef. 9-1-93; BCA 26-1993, f. 10-22-93, cert. ef. 11-1-93; BCD 4-1996, f. 2-29-96, cert. ef. 4-1-96; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-750-0010; BCD 7-1999, f. 6-21-99, cert. ef. 4-1-2000; BCD 6-2000, f. 3-15-00, cert. ef. 4-1-00; BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01; BCD 24-2004, f. 12-15-04, cert. ef. 4-1-05 ; BCD 4-2008, f. 2-21-08, cert. ef. 4-1-08

918-750-0120

Application to Existing Buildings

- (1) No provision of the Oregon Plumbing Specialty Code shall be deemed to require a change in any portion of a plumbing system or any other installation within the scope of the Plumbing Specialty Code in or on an existing building or lot when such work was lawfully installed and maintained in accordance with the Oregon Plumbing Specialty Code in effect at the time of installation, except when such plumbing is de-

ADMINISTRATION

terminated by the building official to be dangerous, unsafe, insanitary, or a nuisance and a menace to life, health, or property.

- (2) Additions, alterations, repairs and replacement of plumbing within the scope of the Oregon Plumbing Specialty Code shall comply with the provisions of the code.
- (3) Plumbing which is a part of any building or structure undergoing a change in use or occupancy, and regulated by the Oregon Plumbing Specialty Code, shall comply with all requirements of the code applicable to the new use or occupancy.

[Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; DC 1-1983, f. & ef. 1-3-83; Renumbered from 814-021-0104; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-750-0025

918-750-0130

Moved Buildings

Moved buildings or structures containing plumbing regulated by the Plumbing Specialty Code, shall comply with the provisions of the code for new installations, except that required plumbing testing shall not require the removal of existing walls and floors. Drainage waste and vent systems shall be tested by running or flooding of the piping system or by an equivalent means of testing acceptable to the authority having jurisdiction. Plumbing systems and fixtures serving buildings or structures moved within the state shall comply with ORS 455.410.

[Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 455.410

Stats. Implemented: ORS 455.410

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; Renumbered from 814-021-0105; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-750-0030

918-750-0140

Alternate Materials and Methods of Construction

A building official may approve alternate methods of construction for the plumbing systems of a specific structure, consistent with the intent of an applicable provision of the Oregon Plumbing Specialty Code.

[Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 455.060

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; Renumbered from 814-021-0106; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-750-0035

918-750-0150

Validity

- (1) If any provision of the Plumbing Specialty Code, or the application thereof to any person or property is held invalid, the remainder of the code, or the application of such provision to other persons or property, shall not be affected thereby.

(2) Code references to adopted appendices or installation standards shall apply unless specifically exempted.
 [Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

918-750-0160

Emergency Disconnect Authority

- (1) A building official may order the disconnection or discontinuation of a plumbing utility service to a building being constructed, reconstructed, altered or repaired where necessary to eliminate an immediate hazard to life or property.
- (2) After the building official orders the disconnection or disconnection of a plumbing utility service, an aggrieved person may contest the decision of the building official under procedures established by local ordinance.

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

918-750-0170

Conflict of Interest

An inspecting jurisdiction shall not allow persons to perform plumbing inspections where a conflict of interest exists. An inspecting jurisdiction shall not allow plumbing inspections, through contract or otherwise, by persons with financial, family or personal interests in the installations being inspected.

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98

918-750-0180

Water Conservation Plumbing Fixture and Fitting Exemptions

The following installations of plumbing fixtures and fittings are exempt from the code-adopted water conservation standards as authorized in ORS 447.145(2):

- (1) The reconstruction, alteration or repair of a building, which does not include installation of new or replacement plumbing fixtures or fittings, and existing fixtures or fittings are reinstalled.
- (2) Specialized fixtures or fittings that are intended for use as an emergency device or system including, but not limited to, emergency showers, eye wash or similar installations.
- (3) Fixtures or fittings necessary to maintain the historic character of a structure listed under ORS 358.475 to 358.565.
- (4) Special use fixtures or fittings in penal institutions, laboratories, hospitals, nursing homes or health care facilities.

ADMINISTRATION

Stat. Auth.: ORS 447.010

Stats. Implemented: ORS 447.010

Hist.: BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-750-0190

Engineered Plumbing Systems

Where plumbing system drawings or specifications are prepared by an Oregon-registered engineer and approved by the local jurisdiction, and such systems meet or exceed the requirements of the Oregon Plumbing Specialty Code, such systems shall be installed in accordance with the requirements of the approved engineered drawings and specifications.

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

DIVISION 770

PRODUCT APPROVALS

918-770-0050

Purpose

- (1) This division of rules interprets and applies ORS 447.152 and 447.154. The rules:
 - (a) Establish minimum health and safety standards for design and construction of plumbing products; and
 - (b) Describe procedures for approval of plumbing product testing laboratories and bodies operating plumbing product certification systems.
- (2) No plumbing product may be sold or offered for sale in the state of Oregon unless it has been:
 - (a) Found by a Board-approved testing laboratory to be in conformance with plumbing product standards approved by the Board; and
 - (b) Listed by a body or organization approved by the Board to certify plumbing products for conformance with product standards approved by the Board.
- (3) This division of rules also establishes standards and procedures for approval of plumbing products by special deputies.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0060

Notice

Notice required under these rules may be given by personal service or mail, postage prepaid, addressed to the person, organization or laboratory as it appears on the records of the Board.

Stat. Auth.: ORS 447.152
 Stats. Implemented: ORS 447.152
 Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0070

Definitions

For the purposes of OAR Chapter 918, Division 770, unless the context clearly indicates otherwise, the following words and terms shall have the following meanings:

- (1) "Accreditation" means the procedure by which an authoritative body or organization gives formal recognition that a body or organization is competent to carry out specific tasks.
- (2) "Approved Product Certification System" means a product certification system approved by the Board to certify plumbing products for conformance with product standards approved by the Board.
- (3) "Approved Testing Laboratory" means a laboratory accredited by an approved accrediting organization recognized by the Board to test plumbing products for conformance with standards approved by the Board.
- (4) "Board" means the Oregon State Plumbing Board.
- (5) "Certificate of Accreditation" means a document issued to a testing laboratory or certification body or organization.
- (6) "Certification Mark" means the mark owned, controlled and registered by a body operating a product certification system and used to identify approval or listing of a product as meeting particular product standards.
- (7) "Certification Program" means a procedure by which a certification body or organization gives written assurance that plumbing products conform to specific product standards.
- (8) "Division" means the Building Codes Division of the Oregon Department of Consumer and Business Services.
- (9) "Plumbing Products" means all potable water supply and distribution pipes, plumbing fixtures and traps, drainage and vent pipes and building drains, including their respective joints and connections, supports, devices, receptacles, appurtenances, appliances and other related items.
- (10) "Plumbing Product Standards" means standards for composition and performance testing of plumbing products or systems.
- (11) "Recognized Standards" means plumbing product or system standards that have been approved by the Board as meeting the intent of the Oregon State Plumbing Specialty Code.
- (12) "Scope of Accreditation" means a document issued by an accrediting organization listing the test standards or calibration services for which the organization is accredited.

Stat. Auth.: ORS 447.152
 Stats. Implemented: ORS 447.152
 Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

Composting Toilet Rules

918-770-0080

Construction and Installation of Composting Toilets

- (1) Definition: "Compost toilet" means a permanent toilet receptacle used to receive and store human wastes, toilet paper, biodegradable domestic garbage, and other vegetative matter for the purpose of aerobic decomposition of materials received therein.

ADMINISTRATION

- (2) Product and Design Approval:
 - (a) Before a manufactured or individually designed compost toilet is installed, approval must be obtained from the division with concurrence of the board by an approved certifier to the approved standards in OAR 918-770-0050 to 918-770-0320;
 - (b) Criteria used to evaluate the units includes, but is not limited to:
 - (A) NSF Standard 41 (May 1983 revised); or
 - (B) Composting toilets listed by NSF International to NSF Standard 41 (May 1983 revised) are approved.
- (3) Site Locations: Residential compost toilet installations shall be limited to areas where a grey water disposal system approved by the Department of Environmental Quality can be installed and used; or such grey water is discharged into a public sewage system.
- (4) Installation:
 - (a) Prior to commencement of the installation of a composting toilet, a plumbing permit must be obtained from the authority having jurisdiction. A permit will be granted upon showing:
 - (A) The site location is in accordance with these rules; and
 - (B) The manufactured composting toilet or individual design has been approved by the division or listed with NSF International to Standard 41 (May 1983 revised).
 - (b) Compost toilets shall be designed to provide a solid connection to the floor with corrosive-resistant fasteners:
 - (A) All suspended under-floor components shall be supported with non-corrosive hangers adequately designed to support the weight of the system. Hangers shall meet the approval of the authority having jurisdiction;
 - (B) All under-floor components designed to set on a stable surface shall have footings adequately designed to support the weight of the system.
 - (c) Vent pipes shall be sealed at all joints and insulated in a way to minimize condensation. The vent stack shall be insulated in a way to minimize condensation. The vent stack shall extend from each chamber or seat box to a point at least two feet above the highest elevation of any portion of the building within ten feet of the vent. Each vent shall be flashed and shall terminate not less than ten feet from or at least three feet above any window, door, opening, air intake, or vent shaft; nor less than three feet in every direction from any lot line, alleys and streets excepted;
 - (d) All compost toilets shall be installed in an insulated area, or the chamber shall be insulated to maintain a proper temperature inside the chamber to keep a biological balance of the materials therein;
 - (e) Where a compost toilet is installed in an existing dwelling, piping, fixtures or equipment shall be located to not interfere with normal use or normal operation and use of windows, doors, or other required facilities.
- (5) Inspections:
 - (a) All installations shall be installed in a workmanship like manner and shall not be put into use until inspected and approved by the authority having jurisdiction;
 - (b) Either the authority having jurisdiction or the division may conduct periodic inspections of any compost toilet in accordance with ORS 447.124.
- (6) Maintenance:
 - (a) Humus from composting toilets may be used around ornamental shrubs, flowers, trees, or fruit trees and shall be buried under at least twelve inches of soil cover. Deposit of humus from any compost toilet around any edible vegetable or vegetation shall be prohibited;
 - (b) The compost toilet system of any premises under the jurisdiction of the authority having jurisdiction shall be maintained in a sanitary and safe operation condition by the owner or by his agent. Whenever compliance with all of the provisions of these rules fails to eliminate or alleviate a nuisance or any dangerous or insanitary condition which may involve health hazards or safety hazards, the owner or the owner's agent shall install such additional plumbing and drainage facilities or shall make such repairs or alterations or removals as may be ordered by the authority having jurisdiction.

[Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 447.118

Stats. Implemented: ORS 447.118

Hist.: DC 12-1978, f. 4-5-78, ef. 4-15-78; DC 4-1979, f. 1-24-79, ef. 1-25-79; DC 7-1979, f. 3-26-79, ef. 4-1-79; DC 13-1981, f. 10-30-81, ef. 11-1-81; DC 1-1983, f. & ef. 1-3-83; Renumbered from 814-021-0900; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-790-0010; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-770-0100

Approval of Testing Laboratories

Requirements for Approval of Testing Laboratories.

- (1) The Board shall only accept test data submitted for the purpose of demonstrating conformance with plumbing product standards approved by the Board from testing laboratories accredited as meeting the requirements contained in ISO/IEC Guide 25:1990, *General Requirements for the Competence of Calibration and Testing Laboratories*, by an approved laboratory accreditation program. Testing laboratories shall only be recognized for those test procedures listed on a scope of accreditation issued by an approved laboratory accreditation program organization, or as may be specially conditioned by the Board.
- (2) Approval of testing laboratories shall be based on the issuance of a Certificate of Accreditation issued by an approved laboratory accreditation program organization. Only accrediting organizations that meet the requirements contained in ISO/IEC Guide 58:1993, *Calibration and Testing Laboratory Accreditation Systems -- General Requirements for Operation and Recognition*, that provide and maintain active certifications for testing laboratories, for specific test methods in scopes of accreditation from referenced standards, may be approved pursuant to this rule.
- (3) The following testing laboratory accreditation organizations are approved as of the effective date of this rule:
 - (a) National Voluntary Laboratory Accreditation Program (NVLAP); and
 - (b) State of Oregon Electrical and Elevator Board.

Other organizations may apply for recognition by submitting application to the Chief Plumbing Inspector.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0110

Standards of Approval for Bodies Operating Product Certification Systems

Bodies and organizations that desire to operate product certification systems for the purpose of providing written assurances that plumbing products conform to specific product standards approved by the Board shall be required to demonstrate compliance with the requirements contained in ISO/IEC Guide 65:1996, *General Requirements for Bodies Operating Product Certification Systems*. Approved product certifiers shall be required to provide the Board at least one copy of a product directory or listing of plumbing products that the certifier has found to conform to product standards approved by the Board.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97; BCD 20-2001, f. 12-21-01, cert. ef. 1-1-02

918-770-0120

Application Procedures

- (1) A testing laboratory that desires approval to test plumbing products for conformance with product standards approved by the Board shall submit an application to the Chief Plumbing Inspector. The application shall specify the product standards to which the laboratory seeks approval to test. The application shall also include a Certificate of Accreditation issued by an approved laboratory accreditation program organization.
- (2) Laboratory accrediting organizations that desire approval to issue Certificates of Accreditation shall submit an application to the Chief Plumbing Inspector. The application shall contain evidence of compliance with the requirements contained in ISO/IEC Guide 58:1993, Calibration and Testing Laboratory Accreditation Systems -- General Requirements for Operation and Recognition.
- (3) Bodies and organizations seeking approval to certify plumbing products for conformance with product standards approved by the Board shall submit an application to the Chief Plumbing Inspector. The application shall contain documented evidence of compliance with the requirements contained in ISO/IEC Guide 65:1996, General Requirements for Bodies Operating Product Certification Systems.
- (4) Approval of testing laboratories, laboratory accreditation organizations and product certification systems shall be for an indefinite period and contingent upon the laboratory, accreditation organization or product certification system maintaining compliance with the applicable approval requirements.
- (5) If an application is denied, the applicant shall be notified in writing of the reasons. The applicant may submit revisions which are needed to obtain approval without prejudice.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97; BCD 20-2001, f. 12-21-01, cert. ef. 1-1-02

918-770-0130

Revocation of Approval

- (1) The Board may revoke the approval of a testing laboratory, laboratory accreditation organization or product certification system for failure to comply with any of the applicable approval requirements described in these rules.
- (2) The Board shall provide a testing laboratory, accrediting organization or certifier notice of intent to revoke approval. A testing laboratory, accrediting organization or certifier shall have 30 days from the date of receipt of a notice to respond to the proposal. Judicial review of the Board's decision to revoke approval shall be available as provided for in ORS Chapter 183. Unless the Board determines that allowing a testing laboratory, accrediting organization or certifier to continue to accredit laboratories or to test or certify plumbing products would result in an immediate threat to public health and safety, the Board's decision to revoke an approval of a testing laboratory, accrediting organization or certifier shall be stayed pending the outcome of any appeal.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0140**Change in Status**

Approved laboratories, accrediting organizations and certifiers shall inform the Board of any change in conditions or criteria of approval or accreditation that could affect the status of their approval, accreditation or conformance to these rules, including but not limited to ownership, location, staffing, facilities and configuration. The notice shall be provided to the Board within 30 days of any change which could affect any approval, accreditation or certification system status.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0200**Product Certification by Special Deputies**

- (1) Plumbing products may be approved by a special deputy appointed by the Chief Plumbing Inspector if:
 - (a) No more than three similar products exist or are intended to be produced;
 - (b) There are no more than two manufacturers of the same or similar product, and the person requesting certification does not intend to seek further special deputy certification of the product for sale in Oregon; and
 - (c) The product is not offered for sale in Oregon more than two times over any two-year period following an inspection by a special deputy.
- (2) For the purposes of this rule, "three similar products" includes custom-assembled products intended for the same general purpose.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0210**Submission of Plumbing Products for Approval by Special Deputy**

Persons seeking approval of plumbing products by a special deputy shall provide the special deputy with a sample of the product for which approval is sought or a site-specific location where the product may be reviewed. The applicant shall also provide the special deputy with design or shop drawings, engineering data and any other test data that the special deputy determines to be reasonably necessary to evaluate the plumbing product for which approval is sought.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0220

Fees and Procedures

- (1) Persons requesting product approval by special deputies shall pay hourly inspection fees at the rate of \$40 per hour as a specially requested inspection. If the Board or special deputy determines that a product requires additional testing or evaluation through a laboratory or engineering firm, the person requesting special deputy certification shall pay the company doing the testing or evaluation directly.
- (2) Special deputy inspection fees shall be paid prior to inspection. If the exact amount cannot be determined in advance, the person requesting a special deputy inspection shall pay the division an amount sufficient to pay the estimated fee prior to inspection. Any portion of the deposit not required for the fee shall be refunded to the applicant upon written request.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0230

Special Deputy Certification Procedures

- (1) A special deputy inspector may determine if a plumbing product meets applicable minimum health and safety standards adopted by the Board by:
 - (a) Examining the product and its components for compliance with applicable product standards approved by the Board;
 - (b) Reviewing the assembly of labeled, listed, recognized or noncertified components for correct and applicable application and installation;
 - (c) Reviewing code compliance; and
 - (d) Requiring "production type" testing where required by the applicable product safety standard adopted by the Board.
- (2) A certification label is attached by the special deputy inspector on the product, or placement of a certification label is authorized.
- (3) Where production line products are accepted for special deputy certification, the special deputy may examine the product to approved standards, determine whether the product meets minimum health and safety standards and review production quality control processes. The special deputy may authorize attachment of labels to all future products manufactured in conformance with the manufacturer's quality control plan approved by the special deputy. The special deputy may make periodic visits to any manufacturing facility to verify that the product continues to be manufactured in accordance with an approved quality control plan. Certifications of production line products approved by a special deputy shall be conditioned on the product continuing to be manufactured in conformance with the product specifications and manufacturing requirements as originally approved by the special deputy.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0300

Certification Marks and Product Standards Identification

Plumbing products listed under the provisions of these rules must be identifiable. The certification mark of an

approved certification body shall be marked upon the certified product or on a separate document enclosed in the product's packaging. If the certification mark is enclosed on a separate document within the product packaging, it must also include the following:

- (1) A picture, image or line drawing clearly showing the product certified;
- (2) The registered marks in 15 USC 1051 et.seq of the product certifier;
- (3) The product specifications and standards which the product is certified as meeting, including the appropriate adoption dates of the listed standards;
- (4) The name or mark of the manufacturer and model number of the product certified;
- (5) The location of the manufacturing plant of origin for the product; and
- (6) Any labeling information required for the product listed in the product standards approved by the Board.

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97

918-770-0320

Approved Plumbing Product Standards and Specifications

The following standards and specifications for plumbing products are approved by the Board:

- (1) Composting Toilets, NSF Standard No. 41 - May 1983.
- (2) Recognized plumbing product standards listed in Chapter 14, Table 14-1 of the Oregon State Plumbing Specialty Code adopted in OAR 918-750-0110.
- (3) Testable backflow prevention assemblies approved by the Oregon Health Division Drinking Water Program and listed on the January 2000 "Approved Backflow Prevention Assembly List."

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.152

Stats. Implemented: ORS 447.152

Hist.: BCD 10-1997, f. 7-16-97, cert. ef. 10-1-97; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-770-0330

Exempt Plumbing Products

The following plumbing products are exempt from product approval by the board:

- (1) Lead roof flashings;
- (2) Pipe hanger hooks; and
- (3) Nail plates.

Stat. Auth.: ORS 447.154

Stats. Implemented: ORS 447.154

Hist.: BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

DIVISION 780

PLUMBING FEES, PERMITS, INSPECTIONS

ADMINISTRATION

918-780-0030

Plumbing License Fees

- (1) Licenses required by ORS chapters 447 and 693 may be issued and renewed by the division to applicants who meet the requirements for the license and apply as established in OAR Chapter 918 division 30. The following license application and renewal fees are adopted:
- (2) Plumbing business:
 - (a) Application fee - \$150
 - (b) Renewal fee - \$450
- (3) Journeyman plumber:
 - (a) Application fee - \$100
 - (b) Renewal fee - \$180, including \$30 fee to track continuing education.
- (4) Limited Specialty Plumber as follows:
 - (a) Limited specialty plumber water treatment installer license:
 - (A) Application fee - \$100
 - (B) Renewal fee - \$150
 - (b) Limited specialty plumber residential water heater installer license:
 - (A) Application fee - \$100
 - (B) Renewal fee - \$150
 - (c) Limited specialty plumber solar heating and cooling installer license:
 - (A) Application fee - \$100
 - (B) Renewal fee - \$150

Stat. Auth.: ORS 447.020, 693.103 & ORS 693.135

Stats. Implemented: ORS 693.103

Hist.: DC 4, f. 8-13-71, ef. 9-11-71; DC 25-1978, f. 9-5-78, ef. 9-20-78; Renumbered from 814-021-0504; DC 13-1981, f. 10-30-81, ef. 11-1-81; DC 2-1983, f. & ef. 1-3-83; BCA 5-1988, f. & ef. 2-23-88; Renumbered from 814-020-0015; BCA 4-1991(Temp), f. & cert. ef. 2-28-91; BCA 18-1991, f. & cert. ef. 6-12-91; BCA 23-1993, f. 10-15-93, cert. ef. 11-1-93; BCD 25-1994, f. 10-26-94, cert. ef. 11-1-94; BCD 15-1996(Temp), f. & cert. ef. 7-1-96; BCD 20-1996, f. 9-30-96, cert. ef. 10-1-96; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-690-0015; BCD 3-2002, f. 3-5-02, cert. ef. 4-1-02; BCD 13-2002, f. 6-28-02, cert. ef. 7-1-02; BCD 17-2007, f. 12-28-07, cert. ef. 1-1-08

918-780-0035

Exempt Ordinary Minor Plumbing Repairs

- (1) Effective April 1, 2006, state building code provisions for permit or inspection of ordinary minor plumbing repairs follow:
 - (a) A registered plumbing contractor and any person exempt from licensing under ORS 693.020 are exempted from permit or inspection for ordinary minor plumbing repairs as defined in section (2) for residential and commercial structures;
 - (b) The term "any person" is defined by ORS 693.020 and includes but is not limited to individuals, corporations, partnerships, public and municipal corporations, political subdivisions, any Oregon state and federal government agencies.
- (2) The term "ordinary minor plumbing repairs" is defined as follows:
 - (a) Includes repair, replacement or maintenance of existing plumbing fixtures, appliances, appurtenances and related water supply and drain attachments for the purpose of restoring a plumbing installation to a safe and sanitary operating condition.

- (b) Does not include new construction, replacement of water heaters, or underground plumbing.
- (3) In addition to the exemption in section (1), a registered plumbing contractor does not need a permit or inspection for emergency repair or replacement of the following: freeze-damaged, leaking-exposed, or concealed piping not exceeding five feet of new piping per structure for a period of 180 days, provided the repair or replacement does not involve any changes or alterations to the existing plumbing system.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.072 & 447.076

Stats. Implemented: ORS 447.072 & 447.076

Hist.: BCD 21-2003, f. 12-31-03, cert. ef. 1-1-04; BCD 6-2006, f. & cert. ef. 4-4-06

918-780-0040

Plumbing Plan Reviews

- (1) A jurisdiction providing plumbing code plan review services may only require plumbing plan review for a complex structure. For purposes of this rule, a "complex structure" is a plumbing system designed, constructed or reconstructed to accommodate any of the following:
 - (a) The installation or alteration of a medical gas and vacuum system for health care facilities;
 - (b) The installation or alteration of chemical drainage waste and vent systems containing chemical agents potentially detrimental to the integrity of a plumbing system;
 - (c) The installation or alteration of wastewater pretreatment systems for building sewers;
 - (d) The installation of vacuum drainage waste and vent systems;
 - (e) The installation or alteration of reclaimed wastewater systems;
 - (f) The installation of a commercial booster pump system needed to maintain a minimum residual water pressure in a structure supplied by a municipal source;
 - (g) The installation of a plumbing system requiring a building water service line with an interior diameter or nominal pipe size of two inches or greater except those two inch systems which have been designed and stamped by a licensed engineer;
 - (h) The installation of any multi-purpose sprinkler system under standards adopted by the department.
- (2) If a jurisdiction providing plumbing code plan review services requires a plumbing code plan review as authorized by section (1) of this rule, the jurisdiction may require the submission of complete specifications, piping layout and fixture location drawings of the proposed system or alteration before issuing a permit. Plans and specifications must indicate the nature and extent of the work proposed and show in detail that the work will conform to provisions of the Plumbing Specialty Code.
- (3) A jurisdiction requiring plumbing code plan review may not require plan review on more than one building or structure under construction or reconstruction at the same jobsite, as long as:
 - (a) The plumbing systems of the buildings or structures are materially alike; and
 - (b) A person obtains plumbing permits for the buildings or structures within a reasonable time.
- (4) Any required plumbing code plan review service may be waived by a jurisdiction if the nature of the work applied for is such that reviewing of plans is not necessary to determine compliance with the Plumbing Specialty Code.
- (5) When the plumbing plan review is completed by a qualified plumbing plan reviewer and a plumbing permit issued, the plans must be endorsed in writing and stamped "Approved." The approved plans cannot be changed without authorization from the jurisdiction providing plumbing code plan review services.
- (6) Issuance of a permit or approval of plans will not prevent the jurisdiction providing plumbing code plan review services from
 - (a) requiring the correction of errors in plans and specifications; or
 - (b) Preventing construction operations when in violation of the Plumbing Specialty Code or of any other

ADMINISTRATION

ordinance; or

(c) Revoking any certificate of approval when issued in error.

- (7) Nothing in this rule prevents a jurisdiction from providing plan review services for utility systems situated outside the building exterior of a particular jobsite.
- (8) Nothing in this rule prevents a jurisdiction from requiring information on grease processing equipment systems.
- (9) Where applicable, the Department of Consumer and Business Services' fees for plan review on complex structures will be based on the time required to review the plans, but must not exceed 30 percent of the total plumbing permit fee for the building or structure under review. When plans are incomplete or substantially changed to require additional plan review services, the department may charge an additional fee based on the time required for the additional review.
- (10) Nothing in these rules shall prohibit the owner or owner's agent from requesting and receiving a plan review for non-complex structures.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.020 & 455.020

Stats. Implemented: ORS 447.020

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; DC 13-1981, f. 10-30-81, ef. 11-1-81; Renumbered from 814-021-0115; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-760-0020; BCD 21-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 7-2006, f. 6-7-06, cert. ef. 10-1-06

918-780-0045

Medical Gas System Plan Reviews

- (1) The authority having jurisdiction shall require complete specifications and plans for medical gas system installations or proposed alterations prior to issuing a permit. Plans and specifications shall indicate the nature and extent of the work proposed and show in detail that the work will conform with the medical gas provisions of these rules. Sizing calculations may be requested by the administrative authority.
- (2) Medical gas systems plan review may be waived by the authority having jurisdiction for small renovations, repairs or extensions to existing systems, if the nature of the work applied for is such that reviewing of plans is not necessary to determine compliance with the medical gas provisions of these rules.
- (3) Where medical gas system plans, specifications or calculations are required by the authority having jurisdiction, such plans shall bear the seal and signature of an Oregon-registered professional engineer.
- (4) When the medical gas systems plan review is completed by a qualified medical gas plan reviewer and a medical gas permit is issued, the plans shall be endorsed in writing and stamped "approved". The approved plans shall not be changed without authorization from the inspecting authority having jurisdiction.
- (5) Issuance of a permit or approval of plans shall not prevent the authority having jurisdiction from requiring the correction of errors in plans and specifications or from preventing construction operations when in violation of the Plumbing Specialty Code, or of any other ordinance or from revoking any certificate of approval when issued in error.
- (6) The cost of plan review for medical gas systems work performed by the Building Codes Division shall be based on the time required to review the plans, but shall not exceed 30 percent of the total plumbing permit fee for the building or structure under review. When plans are incomplete or substantially changed so as to require additional plan review, additional plan review fees may be charged based on the additional time required.

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.010

Hist.: BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01

918-780-0050**Qualifications for Persons Performing Plumbing and Medical Gas Systems Plan Reviews**

Plumbing plan reviews shall be conducted only by persons with the appropriate division plumbing inspector or limited plumbing inspector certification. Medical gas systems plan reviews shall be conducted only by persons with the appropriate division plumbing inspector certification and a current and valid medical gas inspector certification as defined in OAR 918-695-0410. Persons employed for purposes of enforcing the requirements of other administrative agencies are exempt from this rule.

Stat. Auth.: ORS 447.010, ORS 447.020 & ORS 455.020

Stats. Implemented: ORS 447.010 & 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01

918-780-0060**Permit Application**

- (1) A plumbing permit shall be issued by the inspecting jurisdiction only in the name of the responsible person or firm performing the plumbing work.
- (2) The signature of a registered plumbing contractor, residential pump installer, home owner or the contractor's authorized representative is required on each permit to indicate responsibilities under ORS 447.020.
- (3) The inspecting jurisdiction shall request verification of plumbing business registration, journeyman plumber licensing, medical gas certification or apprentice registration or other appropriate licenses.
- (4) A separate permit shall be obtained for each building or structure.

Stat. Auth.: ORS 447.010 & ORS 447.020

Stats. Implemented: ORS 447.010 & ORS 447.020

Hist.: DC 31, f. 4-19-74, ef. 5-11-74; Renumbered from 814-029-0030; DC 1-1983, f. & ef. 1-3-83; Renumbered from 814-021-0615; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-780-0020; BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01

918-780-0070**Permit Expiration**

- (1) Every permit issued by the building official under the Oregon Plumbing Specialty Code expire by limitation and become void if the work authorized by the permit is not started within 180 days from date of the permit or if work authorized by the permit is suspended or abandoned at any time after the work is started for a period of 180 days. Before resuming work, a new permit shall be obtained. The fee shall be one-half the amount required for a new permit for the work, provided no changes have been made, or will be made in the original plans and specifications; and suspension or abandonment of the work has not exceeded one year.
- (2) Any permit holder with an unexpired permit may request that a building official grant an extension of the time to complete the permitted plumbing work. A building official may determine the duration of the extension.

[Publications: The publication(s) referenced in this rule are available from the agency.]

ADMINISTRATION

Stat. Auth.: ORS 447.020 & ORS 455.020

Stats. Implemented: ORS 447.020

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; Renumbered from 814-021-0116; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-760-0025

918-780-0080

Plumbing Permit Fees

The following inspection fees are established by the board for the Building Codes Division plumbing inspections under ORS 447.020 and 447.095. This rule does not apply to municipalities administering a plumbing program:

- (1) Notwithstanding any provision of this rule, which could result in a lower fee, the minimum inspection fee is \$46.
- (2) One and Two Family Dwellings (Dwellings) Inspection Fees -- Dwelling inspection fees for new construction, including drain, waste, vent and water distribution piping, and setting of plumbing fixtures and appliances, building sanitary, storm or combination sewer service piping, and potable water service piping. The plumbing permit fees for one and two family dwelling construction, remodeling or alterations are a flat fee based only on the square footage of the structure for new construction or the number of plumbing fixtures for remodeling or alterations, as follows:
 - (a) Base fee (new construction 1800 square feet or less) -- \$210;
 - (b) Additional square feet exceeding 1800 @ \$.20 per square foot over 1800;
 - (c) Remodel/alteration (each 10 fixtures or less) -- \$67.
- (3) Manufactured Dwellings or Prefabricated Structures Inspection Fees -- Manufactured dwelling or prefabricated structures inspection fees for connections to building sewer and water supply -- \$64.
- (4) Recreational Vehicle and Manufactured Dwelling Parks Inspection Fees:
 - (a) \$320 for the first ten or fewer spaces; and
 - (b) \$275 for each 10 additional spaces.
- (5) Commercial, Industrial, and dwellings, other than one- and two-family: Inspection Fee:
 - (a) Base fee (includes up to 3 fixtures and the first 100' for each exterior, sanitary sewer, storm sewer or water supply building utility piping) -- \$60;
 - (b) \$20 per each fixture over the first 3; and
 - (c) Site utilities exceeding the first 100' of each (water service, storm and sanitary sewer) \$20 each additional 100' of piping or part thereof.
- (6) Miscellaneous Inspection Fees:
 - (a) Charges for inspections requested by a governmental agency under ORS 190.003 to 190.110 are negotiable and subject to revisions project-to-project.
 - (b) Include, but are not limited to, residential fire sprinkler systems (multi-purpose), indirect wastes, specialty fixtures and reinspection -- \$46.
 - (c) Specially requested inspections -- \$46 per hour or any portion of an hour.
- (7) For the purposes of calculating the permit fees under this rule, "fixtures" includes but are not limited to the following:
 - (a) Bathtubs;
 - (b) Bidets;
 - (c) Clothes washers;
 - (d) Drinking fountains;
 - (e) Laundry tubs;
 - (f) Showers;

- (g) Sinks;
 - (h) Urinals;
 - (i) Water closets; and
 - (j) Water heaters;
- (8) Medical Gas System Inspection Fees -- Inspection fees for medical gas systems are a combination of:
- (a) A \$219 base fee; and
 - (b) \$1 per each inlet or outlet.

Stat. Auth.: ORS 447.020 & 447.095

Stats. Implemented: ORS 447.020 & 447.095

Hist.: DC 31, f. 4-19-74, ef. 5-11-74; DC 72, f. 4-19-76, ef. 6-1-76; DC 78 (Temp), f. & ef. 6-16-76 thru 10-13-76; DC 10-1978, f. & ef. 3-16-78; Renumbered from 814-029-0020; DC 13-1981, f. 10-30-81, ef. 11-1-81; DC 1-1983, f & ef. 1-3-83; DC 27-1984, f. 8-31-84, ef. 10-15-84; DC 16-1987(Temp), f. 6-25-87, ef. 6-26-87; BCA 12-1988, f. & ef. 9-8-88; Renumbered from 814-021-0610; BCA 15-1993(Temp), f. 6-30-93, cert. ef. 9-1-93; BCA 3-1994, f. 1-14-94, cert. ef. 2-27-94; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-780-0015; BCD 27-2000, f. 10BCD 13-2004, f. 9-7-04, cert. ef. 10-1-04-13-00 cert. ef. 10-01-01; BCD 13-2002, f. 6-28-02, cert. ef. 7-1-02; BCD 13-2004, f. 9-7-04, cert. ef. 10-1-04

Plumbing Inspections

Minor Plumbing Installations Subject to Random Inspections

918-780-0130

Use of Minor Installation Labels

- (1) Plumbing contractors having a valid certificate of registration under ORS 447.030 and a verified Construction Contractors Board license, when using plumbers having a certificate of competency under ORS Chapter 693, may purchase and use minor labels as described by OAR 918-100-0000 through 918-100-0060; and
- (2) Only permit requirements are deleted. The Plumbing Specialty Code and One- and Two-Family Dwelling Specialty Code plumbing installation provisions and plumbing product certification requirements shall be followed.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.072, ORS 447.076, 455.154 & 455.155

Stats. Implemented: ORS 447.072, 447.076, 455.154 & 455.155

Hist.: BCD 17-1994, f. 7-21-94, cert. ef. 10-1-94; BCD 9-1997(Temp), f. 6-30-97, cert. ef. 7-1-97; BCD 17-1997, f. 9-30-97, cert. ef. 10-1-97; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00; BCD 4-2002, f. 3-8-02, cert. ef. 4-1-01; BCD 22-2004, f. & cert. ef. 10-1-04

918-780-0140

Scope of Plumbing Work Allowed with Minor Installation Label

"Minor plumbing" for installations under the minor label programs permitted by OAR 918-100-0000 through 918-100-0060 shall be as follows:

- (1) Commercial and industrial minor installation label programs include:
 - (a) Accessible plumbing repair and maintenance;
 - (b) Replacement of up to three accessible plumbing appliances, appurtenances or fixtures as defined in the

ADMINISTRATION

Plumbing Specialty Code; or

(c) Replacement of up to 20 feet of plumbing piping.

(2) One- and two-family dwelling minor installation label programs include:

(a) Repair, replacement, or maintenance of water heaters, including water heater conversions;

(b) Alteration of parts of an existing plumbing system not exceeding three fixtures, or 20 feet of new piping or both provided the work is "accessible" to an inspector; or

(c) Repair or replacement of concealed freeze-damaged or leaking parts of an existing plumbing system not exceeding three fixtures, or 20 feet of new piping or both.

(d) Plumbing fixtures as used in this section include, but are not limited to, bathtubs, bidets, showers, sinks, water closets and water heaters.

(3) Cross-connection control devices are not considered minor plumbing installations and are excluded under these rules.

Stat. Auth.: ORS 447.072, 447.076, 455.154, & 455.155

Stats. Implemented: ORS 447.072, 447.076, 455.154, & 455.155

Hist.: BCD 17-1994, f. 7-21-94, cert. ef. 10-1-94; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 4-2002, f. 3-8-02, cert. ef. 4-1-01; BCD 22-2004, f. & cert. ef. 10-1-04

DIVISION 785 ENFORCEMENT

918-785-0100 Plumbing Section

The chief plumbing inspector is charged with the organization and enforcement of the Plumbing Specialty Code created under ORS 447.020 and defined as a Specialty Code under ORS 455.010, as a part of the State Building Code under ORS 455.010.

[Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; DC 1-1983, f. & ef. 1-3-83; Renumbered from 814-021-0113; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-760-0010

918-785-0110 Powers and Duties of the Chief Plumbing Inspector

(1) The chief plumbing inspector is authorized and directed to enforce all the provisions of the Plumbing Specialty Code and to assist in enforcement of the pertinent regulations of the Oregon Structural Specialty Code.

(2) The chief plumbing inspector and the building official are authorized and directed under provisions of ORS Chapters 447, 455 and 693 to enforce all provisions, rules and regulations governing plumbing systems and plumbing fixtures in effect on the date of adoption of the Plumbing Specialty Code when requested by federal, state or municipal agencies whose rules and regulations require conformity to this code as a condition of acceptance, licensing, operation or occupancy.

[Publications: The publication(s) referenced in this rule are available from the agency.]

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: DC 39, f. 1-6-75, ef. 2-1-75; DC 32-1978, f. 12-19-78, ef. 1-1-79; DC 8-1981, f. & ef. 7-2-81; DC 1-1983, f. & ef. 1-3-83; Renumbered from 814-021-0114; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-760-0015

918-785-0200

Inspection and Enforcement

- (1) Permits Required:
 - (a) No person, firm, or corporation shall do plumbing or effective October 1, 2001, medical gas systems work in the State of Oregon without first obtaining a plumbing permit or minor label when required and paying the appropriate fees to the authorized permit issuing agency;
 - (b) 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 five days of starting installation.
- (2) Purpose of Permit. The issuance or granting of a plumbing permit is for the purpose of knowing where to make inspections and to defray the cost of inspections. The permit shall not be construed to be an approval of any violation of any of the provisions of the statutes or of OAR chapter 918, divisions 750 to 785. The issuance of a permit shall not prevent the administrator from thereafter requiring the correction of errors in sums due for the permit in installations or in requiring the work to be done only by those authorized by law.
- (3) Notice Required for Inspections:
 - (a) No plumbing or effective October 1, 2001, medical gas systems installation shall be covered or concealed without first obtaining the approval of the inspecting jurisdiction;
 - (b) The inspecting jurisdiction shall have a minimum of 48 hours, excluding Saturdays, Sundays, and holidays, after notification that the permittee is ready for an inspection, in which to make the following inspections:
 - (A) New Construction or Remodeling:
 - (i) A rough-in inspection prior to placement of any concrete, cover, or backfill, or prior to placement of subflooring if frame construction must be requested by the permittee;
 - (ii) A cover inspection when all rough-in plumbing is in place prior to being covered;
 - (iii) A final inspection of plumbing fixtures and connections just prior to the building or remodeled area being occupied.
 - (B) Other Inspections. In addition to the inspections required to be called for by the permittee as specified above, the division may make or require any plumbing installation to ascertain compliance with the provisions of statutes or rules. Rough-in inspections prior to placement of subflooring for frame construction may be waived by the inspecting jurisdiction, if adequate accessibility is available and prior approval is granted.
- (4) Correction Notice for Violations. All deviations from the requirements of the statutes or rules shall be specified in writing and a copy furnished to the permittee. An additional copy may be posted at the site of the installation or mailed or delivered to the permittee or the permittee's agent at the address shown on the permit. The division may provide information on the meaning or application of the statutes and rules but shall not design or lay out work for contractors, owners, or users. Refusal, failure, or neglect to correct deviations from the minimum standards specified in the notice within 30 days of receipt or of posting of notice of violation shall be considered a separate violation of these administrative rules.
- (5) Enforcement. Whenever any plumbing installation is being made contrary to the provisions of the Plumbing Specialty Code, by unlicensed persons, when a license is required, or OAR chapter 918, divisions 750 to 785, the inspecting jurisdiction shall order the installation stopped by notice in writing served on any person engaged in causing such installation to be made, or by posting a copy at the site of the installation, and no person shall proceed with the installation until authorized by the inspecting jurisdiction.

ADMINISTRATION

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 447.010 & 447.020

Stats. Implemented: ORS 447.010 & 447.020

Hist.: DC 31, f. 4-19-74, ef. 5-11-74; Renumbered from 814-029-0010; DC 1-1983, f. & ef. 1-3-83; Renumbered from 814-021-0605; BCD 21-1996, f. 9-30-96, cert. ef. 10-1-96; BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98, Renumbered from 918-780-0010; BCD 22-2000, f. 9-19-00, cert. ef. 10-1-00

918-785-0210

Calls for Inspection

- (1) All persons who take out a plumbing permit, home owners as well as plumbing contractors, shall request an inspection within two business days of:
 - (a) The completion of any plumbing or medical gas systems installation intended to be covered or concealed or which is intended to be placed into service before the final plumbing inspection; and
 - (b) The completion of all plumbing or medical gas systems installations for the job site covered by a particular permit.
- (2) Transactions under a master inspection permit are covered by separate requirements.

Stat. Auth.: ORS 447.010 & ORS 447.020

Stats. Implemented: ORS 447.010 & ORS 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01

918-785-0220

Requests for Inspection and Notice of Results

- (1) Except as provided in section (2) of this rule, an inspecting jurisdiction shall inspect within 48 hours of a written request for inspection unless the time for inspection is extended to a set date by mutual agreement. The 48 hours excludes Saturdays, Sundays and holidays.
- (2) The inspecting jurisdiction shall inspect an installation at a remote location within a reasonable time of the request.
 - (a) For the purpose of this section, a "remote location" is:
 - (A) An inspection location that is more than 60 miles one way using the most direct route, measured from the closest of the inspector's station, inspection office or the inspecting jurisdiction's primary offices; or
 - (B) An inspection location that requires more than one hour of normal driving, one way, using the most direct route from the closest point mentioned in paragraph (A) of this subsection.
 - (b) For the purposes of this section, "within a reasonable time" means a response time that takes into account the time, distance and number of inspection requests, but shall not exceed seven consecutive calendar days including the date the request was received unless the time for inspection is extended to a set date by mutual agreement. If the seventh calendar day falls on a weekend or holiday, this is extended to include the next business day.
- (3) Reasonable procedures designed to provide actual notice of inspection results shall be used by all inspecting jurisdictions to notify the person requesting inspections, of the results of plumbing inspection. "Reasonable procedures designed to provide actual notice" shall include posting at the job site and:
 - (a) Nothing more when the installation is by an owner;
 - (b) Nothing more when the installation is approved;

(c) For other than for a one- or two-family dwelling, notification of any deficiencies on a specific permit by:

- (A) FAX transmittal to the plumbing contractor;
- (B) Personal delivery to the plumbing contractor;
- (C) Mailing;
- (D) Telephone followed by written notification; or
- (E) Other electronic or automated notification systems.

(d) By written confirmation of inspection approval if a permit holder requests confirmation.

(4) If the inspection mentioned in sections (1) and (2) of this rule involved a cover inspection and does not include any medical gas systems or components, the work cannot be covered unless:

- (a) Inspection clearance is given; or
- (b) The request for inspection is in writing communicated to the inspecting jurisdiction, with notice that a cover inspection is involved, no extensions are agreed to and the maximum time for making the required inspection under sections (1) and (2) of this rule are exceeded. For the purposes of this subsection:
 - (A) Written request includes a letter, telegram or FAX transmittal; and
 - (B) The burden of proof is on the person requesting the plumbing inspection to prove that a written request was communicated.

Stat. Auth.: ORS 447.010 & 447.020

Stats. Implemented: ORS 447.010 & 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 27-2000, f. 10-13-00 cert. ef. 10-01-01

918-785-0230

Correction of Defects

Defects in plumbing installations noted by the plumbing inspector shall be corrected and an inspection request made within 30 calendar days of the date of actual notice of deficiency. For the purpose of this rule, actual notice is given when the inspecting jurisdiction does everything required in OAR 918-785-0220.

Stat. Auth.: ORS 447.020

Stats. Implemented: ORS 447.020

Hist.: BCD 6-1998, f. 3-2-98, cert. ef. 4-1-98; BCD 3-2002, f. 3-5-02, cert. ef. 4-1-02

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK.

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK.