

1.1 **Department of Labor and Industry**

1.2 **Adopted Permanent Rules Adopting Plumber Licensing, Certification and**  
1.3 **Registration, and Continuing Education**

1.4 **4716.0010 DEFINITIONS.**

1.5 [For text of subs 1 and 2, see M.R.]

1.6 Subp. 3. **Department.** "Department" means the Minnesota Department of Labor  
1.7 and Industry.

1.8 Subp. 4. **Person.** "Person" means any individual, limited liability company,  
1.9 corporation, partnership, incorporated or unincorporated association, sole proprietorship,  
1.10 joint stock company, or any other legal or commercial entity.

1.11 Subp. 5. **Plumbing Code.** "Plumbing Code" means the code adopted as chapter  
1.12 4715.

1.13 **4716.0015 STANDARDS ADOPTED BY REFERENCE.**

1.14 The following are incorporated by reference, are not subject to frequent change,  
1.15 and are made part of this chapter:

1.16 A. ASSE Standard 6010 Medical Gas Systems Installers, published by the  
1.17 American Society of Sanitary Engineering, 901 Canterbury Road, Suite A, Westlake,  
1.18 Ohio 44145-1480. ASSE Standard 6010 is copyright 2006 by the American Society of  
1.19 Sanitary Engineering; and

1.20 B. ANSI/ISO/IEC Standard 17024 Conformity assessment – general  
1.21 requirement for bodies operating certification of persons, published by the American  
1.22 National Standards Institute, 10 East 40th Street, New York, New York 10016;  
1.23 International Organization for Standardization, 1, ch. De la Voie-Creuse, CP 56, CH-1211  
1.24 Geneva 20, Switzerland; and International Electrotechnical Commission, 3, rue de

2.1 Varembe, P.O. Box 131, CH-1211 Geneva 20, Switzerland. ANSI/ISO/IEC Standard  
2.2 17024 is copyright 2003 by the American National Standards Institute.  
2.3 These are available in the Office of the Commissioner of Labor and Industry.

2.4 **MEDICAL GAS**

2.5 **4716.0070 AUTHORITY; PURPOSE.**

2.6 Part ~~4716.0080~~ 4716.0072 establishes certification requirements for individuals  
2.7 engaging in the installation, maintenance, or repair of medical gas systems under  
2.8 Minnesota Statutes, section 326B.438.

2.9 **4716.0071 DEFINITIONS.**

2.10 Subpart 1. **Scope.** The terms used in parts 4716.0070 to 4716.0072 have the  
2.11 meanings given them in this part and parts 4715.0100 and 4715.0420, subpart 2.

2.12 Subp. 2. **Breaching.** "Breaching" means opening any portion of the medical gas  
2.13 system to atmosphere.

2.14 Subp. 3. **Certified installer.** "Certified installer" means an individual who has met  
2.15 the requirements of ASSE Standard 6010 Medical Gas Systems Installers and the brazing  
2.16 qualification as defined in NFPA 99C, and is currently certified to this standard and  
2.17 qualification by National Inspection Testing Certification (NITC) or by a recognized  
2.18 third-party certification agency.

2.19 Subp. 4. **Installation.** "Installation" means the process of putting in place the  
2.20 equipment and piping required for a medical gas system and making it ready for use.

2.21 Subp. 5. **Maintenance.** "Maintenance" means performing work that is done  
2.22 regularly to keep the medical gas system and system components in good condition and  
2.23 working order. Maintenance does not mean replacing cylinders or filters, and work that  
2.24 does not breach the integrity of the medical gas piping system.

3.1 Subp. 6. **Recognized third-party certification agency.** "Recognized third-party  
3.2 certification agency" means an agency approved by the commissioner and conforming to  
3.3 ANSI/ISO/IEC Standard 17024 Conformity assessment - General requirements for bodies  
3.4 operating certification of persons, or equivalent.

3.5 Subp. 7. **Repair.** "Repair" means breaching the medical gas system for the  
3.6 replacement of pipe, equipment, or other components and restoring the system to working  
3.7 order.

3.8 **4716.0072 LICENSURE; CERTIFICATION.**

3.9 Subpart 1. **Licensure requirement.** No person shall offer to perform or perform  
3.10 medical gas installation, maintenance, or repair without a plumbing contractor license  
3.11 issued under chapter 326B. Each plumbing contractor shall designate an individual  
3.12 holding a medical gas certification issued by the commissioner as the individual  
3.13 responsible for the plumbing contractor's compliance with this part, chapter 4715, and  
3.14 Minnesota Statutes, section 326B.438.

3.15 Subp. 2. **Certification requirement.**

3.16 A. An applicant for medical gas installer certification must meet the following  
3.17 requirements:

3.18 (1) ~~current certification~~ as a certified installer as defined in part 4716.0071,  
3.19 subpart 5, ~~that~~ who was ~~obtained~~ certified on or before August 1, 2010; or

3.20 (2) both current licensure as a master plumber or journeyman plumber  
3.21 under Minnesota Statutes, section 326B.46, and current certification as a certified installer  
3.22 as defined in part 4716.0071, subpart 3.

3.23 B. An individual meeting the requirements of this subpart may submit an  
3.24 application to the commissioner for certification as a medical gas installer. Individuals  
3.25 granted medical gas installer certification by the commissioner must maintain their

4.1 status as a certified installer as defined in part 4716.0071, subpart 3, while installing,  
4.2 maintaining, or repairing medical gas systems, and carry verification while in the field.

4.3 Subp. 3. **Application.** All applications submitted pursuant to this part must be  
4.4 submitted on a form approved by the commissioner and include the fees required by  
4.5 Minnesota Statutes, sections 326B.092 and 326B.438, subdivision 4.

4.6 Subp. 4. **Renewal and expiration.** The renewal and expiration of a medical gas  
4.7 installer certification shall be in accordance with Minnesota Statutes, section 326B.438,  
4.8 subdivisions 2 to 4.

## 4.9 WATER CONDITIONING

### 4.10 **4716.0090 AUTHORITY; PURPOSE.**

4.11 Pursuant to Minnesota Statutes, section 326B.435, subdivision 2, part 4716.0092  
4.12 establishes licensing requirements for water conditioning contractors, water conditioning  
4.13 masters, water conditioning journeymen, and other persons engaged in or working at the  
4.14 business of water conditioning installation or service.

### 4.15 **4716.0091 DEFINITIONS.**

4.16 The terms used in parts 4716.0090 to 4716.0092 have the meanings given them in  
4.17 this part, part 4715.0100, and Minnesota Statutes, section 326B.50.

### 4.18 **4716.0092 LICENSURE.**

4.19 Subpart 1. **Water conditioning contractor.** An applicant for a water conditioning  
4.20 contractor license must designate a water conditioning master or master plumber, licensed  
4.21 by the commissioner, as the individual responsible for the water conditioning contractor's  
4.22 compliance with this part, chapter 4715, Minnesota Statutes, sections 326B.50 to 326B.59,  
4.23 and all orders issued under Minnesota Statutes, section 326B.082. The responsible water  
4.24 conditioning master or master plumber must give a minimum 15-day notice to the water  
4.25 conditioning contractor and the department before resigning as the responsible water

5.1 conditioning master or master plumber for the contractor. The contractor and responsible  
5.2 water conditioning master or master plumber must immediately notify the department  
5.3 upon the termination or separation of the contractor's responsible water conditioning  
5.4 master or master plumber. The water conditioning contractor shall have 60 days from the  
5.5 last day of employment of its previous responsible water conditioning master or master  
5.6 plumber to employ another responsible water conditioning master or master plumber. The  
5.7 water conditioning contractor shall submit written notification to the department that  
5.8 ~~they have~~ it has designated a different water conditioning master or master plumber as the  
5.9 individual responsible for the contractor's compliance with this part, chapter 4715, and  
5.10 Minnesota Statutes, sections 326B.50 to 326B.59. If the water conditioning contractor is  
5.11 unable to acquire a replacement responsible water conditioning master or master plumber,  
5.12 the water conditioning contractor's license is invalid and the contractor shall cease and  
5.13 desist from performing any water conditioning work and return the contractor's license  
5.14 for voluntary termination. Upon acquiring a replacement responsible water conditioning  
5.15 master or master plumber, the water conditioning contractor may request reinstatement of  
5.16 the terminated license under Minnesota Statutes, section 326B.096.

5.17 Subp. 2. **Water conditioning master.** An applicant for a water conditioning  
5.18 master license must satisfactorily pass an examination given by the commissioner. An  
5.19 applicant for the water conditioning master examination must have had at least 12 months'  
5.20 experience as a licensed water conditioning journeyman, or at least 12 months of practical  
5.21 experience as listed in subpart 4, items B and C, subitem (1). The applicant is responsible  
5.22 for verifying practical experience.

5.23 Subp. 3. **Water conditioning journeyman.** An applicant for a water conditioning  
5.24 journeyman license must satisfactorily pass an examination given by the commissioner.  
5.25 An applicant for the water conditioning journeyman examination must have at least six  
5.26 months of practical experience as listed in subpart 4, item C, subitem (2). The applicant is  
5.27 responsible for verifying practical experience.

6.1 Subp. 4. **Experience.** For the purposes of the experience required under subparts 2  
6.2 and 3, the following requirements apply.

6.3 A. Experience in the planning, superintending, installing, and servicing of water  
6.4 conditioning systems is acceptable in the situations described in the following:

6.5 (1) experience while in the employ of a contractor licensed under  
6.6 Minnesota Statutes, section 326B.46 or 326B.55, and this part;

6.7 (2) experience while working in Minnesota for an employer who is exempt  
6.8 from being licensed as a contractor under Minnesota Statutes, section 326B.46 or 326B.55,  
6.9 subdivision 1, paragraph (d), clause (2), if the water conditioning installation or servicing  
6.10 work is done under the supervision of a properly licensed individual;

6.11 (3) experience while performing the practical installation and servicing of  
6.12 water conditioning systems outside of Minnesota, which the department has determined is  
6.13 substantially equivalent to work performed while in the employ of a licensed contractor  
6.14 in Minnesota. The determination must be based on a certification by the employer for  
6.15 the type of work performed; or

6.16 (4) experience ~~while~~ performing the practical installation and servicing of  
6.17 water conditioning systems while in the ~~armed forces~~ military of the United States, which  
6.18 the department has determined is substantially equivalent to the work performed while in  
6.19 the employ of a licensed contractor in Minnesota. The determination must be based on a  
6.20 certification by the military for the type of work performed.

6.21 B. Twelve months of experience consists of at least 1,750 hours, which may be  
6.22 obtained in more than one 12-month period; however, not more than 1,750 hours shall  
6.23 be credited for one calendar year.

7.1 C. The commissioner may require work records, time cards, pay records, or  
7.2 other documentation necessary to evaluate experience. The commissioner shall make the  
7.3 final determination about the adequacy and acceptability of an applicant's experience.

7.4 (1) An applicant for water conditioning master examination must include at  
7.5 least the following number of hours in the following water conditioning aspects:

7.6 (a) installation, ~~450~~ 200 hours;

7.7 (b) servicing, 300 hours;

7.8 (c) planning, 250 hours; and

7.9 (d) supervising, 250 hours.

7.10 ~~The maximum allowable experience shall be zero hours before the age of 17. The~~  
7.11 ~~remaining required hours of practical experience may be in any aspect of water~~  
7.12 ~~conditioning work. An applicant may not include any hours of experience obtained prior~~  
7.13 ~~to attaining the age of 17.~~

7.14 (2) An applicant for water conditioning journeyman examination must  
7.15 include at least the following number of hours in the following water conditioning aspects:

7.16 (a) installation, ~~375~~ 100 hours; and

7.17 (b) servicing, ~~250~~ 200 hours.

7.18 ~~The maximum allowable experience shall be zero hours before the age of 17. The~~  
7.19 ~~remaining required hours of practical experience may be in any aspect of water~~  
7.20 ~~conditioning work. An applicant may not include any hours of experience obtained prior~~  
7.21 ~~to attaining the age of 17.~~

7.22 Subp. 5. **Examinations.**

7.23 A. Applications to take the water conditioning master or water conditioning  
7.24 journeyman examination must be submitted on a form approved by the commissioner.  
7.25 Each application must include the fee under Minnesota Statutes, chapter 326B.

8.1 B. The commissioner shall give a written examination for the licensing of water  
8.2 conditioning contractors and installers ~~shall be given~~ at least once per year. The written  
8.3 licensing examination for contractors and installers shall include questions covering one  
8.4 or more of the following subject areas: relevant plumbing and installation provisions,  
8.5 materials and tools of the trade, general principles of water conditioning processes, and  
8.6 operation of water conditioning equipment. Additionally, the contractor's licensing  
8.7 examination shall include questions covering one or more of the following subjects:  
8.8 calculations to determine appropriate equipment size, and specific functions and processes  
8.9 involved in different types of water conditioning.

8.10 C. A score of 70 percent shall be considered passing. The examinee shall be  
8.11 notified of the results of the examination.

8.12 Subp. 6. **Renewal and expiration.** The renewal and expiration of a water  
8.13 conditioning contractor, water conditioning master, or water conditioning journeyman  
8.14 license shall be in accordance with Minnesota Statutes, sections 326B.092 to 326B.097,  
8.15 and 326B.50 to 326B.59.

8.16 **CONTINUING EDUCATION**

8.17 **4716.0200 DEFINITIONS.**

8.18 Subpart 1. **Scope.** The definitions in this part apply to parts 4716.0205 and  
8.19 4716.0210.

8.20 Subp. 2. **Continuing education program.** "Continuing education program" means a  
8.21 course, seminar, workshop, or other educational offering, ~~where interactive instruction~~  
8.22 ~~is provided by one or more instructors, either directly or by interactive media~~ approved  
8.23 by the department.



9.1 Subp. 3. **Hours of instruction.** "Hours of instruction" means the number of  
9.2 classroom hours approved by the department in advance for the attendance of a continuing  
9.3 education program.

9.4 Subp. 4. **Plumbing license.** "Plumbing license" means a master plumber or  
9.5 journeyman plumber license issued by the department. Plumbing license does not include  
9.6 a water conditioning journeyman or a water conditioning master as defined by Minnesota  
9.7 Statutes, section 326B.50, subdivisions 3a and 3b.

9.8 Subp. 5. **Restricted plumber.** "Restricted plumber" means an individual who meets  
9.9 the qualifications of Minnesota Statutes, section ~~326B.55, subdivision 1~~ 326B.475, and is  
9.10 licensed by the department.

9.11 Subp. 6. **Sponsor.** "Sponsor" means a person that provides a continuing education  
9.12 program approved in advance by the department.

9.13 **4716.0205 REQUIREMENTS.**

9.14 Subpart 1. **Continuing education; content.**

9.15 A. In addition to satisfying the requirements of Minnesota Statutes, chapter  
9.16 326B, individuals who hold the following license types are required to obtain 16 hours  
9.17 of continuing education instruction during the license period before the license may be  
9.18 renewed:

9.19 (1) master plumber;

9.20 (2) journeyman plumber; and

9.21 (3) restricted plumber.

9.22 At least 12 hours of instruction must pertain to the Plumbing Code, and at least four  
9.23 hours of instruction must pertain to the technical topics related to plumbing installations  
9.24 and equipment, this chapter, the Minnesota State Building Code, or Minnesota Statutes,

10.1 sections 326B.41 to 326B.49. Continuing education hours obtained by any electronic  
10.2 media must not exceed four hours during the renewal period.

10.3 B. In addition to satisfying the requirements of Minnesota Statutes, chapter  
10.4 326B, individuals who hold the following license types are required to obtain four hours  
10.5 of continuing education instruction during the license period before the license may be  
10.6 renewed:

10.7 (1) water conditioning master; and

10.8 (2) water conditioning journeyman.

10.9 At least two hours of instruction must pertain to the technical topics related to water  
10.10 conditioning installation and servicing, this chapter, or Minnesota Statutes, sections  
10.11 326B.50 to 326B.59.

10.12 C. In addition to satisfying the requirements of Minnesota Statutes, chapter  
10.13 326B, an applicant for renewal of a medical gas installer certification is required to obtain  
10.14 four hours of continuing education instruction during the certification period before the  
10.15 certification may be renewed. The required hours of instruction must pertain to the  
10.16 technical topics related to the installation, repair, or maintenance of medical gas systems,  
10.17 this chapter, NFPA 99, or Minnesota Statutes, section 326B.438.

10.18 Subp. 2. **Application.**

10.19 A. Each applicant for the renewal of a license, registration, or certification  
10.20 specified in subpart 1 must obtain during the term of the license, registration, or  
10.21 certification period and before a renewal application is submitted to the department, ~~credit~~  
10.22 ~~for the required hours of instruction through one or more continuing education programs~~  
10.23 ~~as required by this part. Continuing education hours of instruction obtained shall not~~  
10.24 ~~be transferred and may not be used for more than one renewal period. Carryover of~~  
10.25 ~~continuing education hours of instruction shall not be permitted~~ the required number of  
10.26 credits of approved continuing education. No individual may transfer continuing education

11.1 hours of instruction to another individual. Hours may only be applied to the renewal  
11.2 period in which they are obtained and may not be carried over to the next renewal period.

11.3 B. Where an individual holds more than one type of plumbing license,  
11.4 registration, or certification credits for hours of instruction may be applied to each license,  
11.5 registration, or certification during the same renewal period so long as the specific  
11.6 requirements for the license, registration, or certification are met.

11.7 **4716.0210 CREDIT FOR HOURS OF INSTRUCTION.**

11.8 Subpart 1. **Approval of continuing education programs.** To qualify as a continuing  
11.9 education hour of instruction under part 4716.0205, subpart 1, a continuing education  
11.10 program shall be approved in advance by the department. The subject matter must pertain  
11.11 to the plumbing code or the topics specified in part 4716.0205, subpart 1. The sponsor shall  
11.12 submit an application for approval according to Minnesota Statutes, section ~~326B.098~~  
11.13 326B.0981. An interactive educational program may also be approved for presentation  
11.14 through electronic media. ~~In addition to the requirements of part 4716.0205, a~~ Any  
11.15 program presented through electronic media that does not include real-time interaction  
11.16 between the presenter and the licensee or registrant must include an examination process  
11.17 that ensures a licensee or registrant has successfully completed the program.

11.18 Subp. 2. **Notification of presentations.** Not less than 30 days prior to a presentation  
11.19 of a continuing education program, the sponsor shall notify the department in writing of  
11.20 the date, time, and location of the program.

11.21 Subp. 3. **Instruction in another state.** Notwithstanding subparts 1 and 2, continuing  
11.22 education programs that are offered in another state and have not been preapproved by  
11.23 the department, shall be approved for credit if the department is provided with evidence  
11.24 that the educational program meets the requirements of this part, part 4716.0205, and  
11.25 Minnesota Statutes, sections 326B.098 to 326B.099, and the course has been approved

12.1 for continuing education hours of instruction or credit by a public authority licensing  
12.2 plumbers or restricted plumbers in the other state.

12.3 Subp. 4. **Qualifications of instructors.** All educational programs shall be conducted  
12.4 by instructors who meet the requirements of Minnesota Statutes, section 326B.099,  
12.5 subdivision 3, and have the qualifications described in at least one of the following items:

12.6 A. an individual plumber license issued by the department and at least four  
12.7 years' experience in plumbing inspection, plumbing installations, or teaching subjects  
12.8 within the scope of plumbing work permitted by the instructor's license;

12.9 B. at least five years' practical experience in the subject being taught. An  
12.10 instructor in this category may only be approved for instruction on technical topics related  
12.11 to plumbing installations and equipment; or

12.12 C. an instructor certified by a national plumbing-related training program.

12.13 Subp. 5. **Credit for teaching.** Instructors of educational programs approved under  
12.14 this part shall receive instruction credit for each hour of instruction allowable under  
12.15 subpart 1.

12.16 Subp. 6. **Report of credits earned.** Within 14 days after presentation of an  
12.17 educational program for credit under part 4716.0205, the sponsor shall provide a  
12.18 certificate of completion to each licensee or registrant in attendance and shall forward an  
12.19 attendance list and original attendance sign-in document to the department on a form  
12.20 supplied by the department, or in a format approved by the department. Each certificate of  
12.21 completion and attendance list shall include the name of the sponsor, date and location of  
12.22 the presentation, educational program identification that was provided to the department,  
12.23 hours of instruction or continuing education units, and the licensee's or registrant's name  
12.24 and license or registration number or the last four digits of the applicant's Social Security  
12.25 number. The attendance list must be typewritten and provide a summary of each attendee's  
12.26 hours for each course attended.

13.1 Subp. 7. **Credit for completing an educational program.** Participants in an  
13.2 educational program must complete the entire program to receive credit. Partial credit  
13.3 must not be granted.

13.4 **REPEALER.** Minnesota Rules, parts 4715.5800; and 4715.6000, are repealed.

13.5 **EFFECTIVE DATE.** Parts 4716.0010 to 4716.0210 are effective 180 days after the  
13.6 board adopts the rules, or five working days after publication of the notice of adoption in  
13.7 the State Register, whichever occurs later.