

BILL NO. 2017-45

SPONSORED BY COUNCILMAN Prather

ORDINANCE NO. 15704

AN ORDINANCE OF THE CITY OF JEFFERSON, MISSOURI, AMENDING THE CITY CODE, CHAPTER 8, SECTION 8-4 AND SECTION 8-5 BY REPLACING THE ADOPTION OF THE INTERNATIONAL PLUMBING CODE 2009 AND AMENDMENTS TO THE INTERNATIONAL PLUMBING CODE 2009 BY ADOPTION OF THE 2015 INTERNATIONAL PLUMBING CODE.

NOW, THEREFORE, BE IT ENACTED BY THE COUNCIL OF THE CITY OF JEFFERSON, MISSOURI, AS FOLLOWS:

Section 1. The City Code, Chapter 8 (Buildings and Building Regulations), Section 8-4 (Adoption of International Plumbing Code 2009), is hereby deleted and the following is added in lieu thereof:

Sec. 8-4. Adoption of the 2015 International Plumbing Code

The 2015 International Plumbing Code published by the International Code Council, Inc. is hereby adopted and incorporated herein by reference as the Plumbing Code of the City of Jefferson, with the additions, insertions, deletions and changes contained in this chapter.

(Ord. No. 9142, 7-17-78; Ord. No. 10398, 84, 4-1-85; Ord. No. 11202:1, 4-17-89; Ord. No. 12750, 5-18-98; Ord. 13578, §1, 7-21-2003; Ord. 14106, §1, 10-16-2006; Ord. 14484, §1, 3-2-2009)

Cross Reference - Ordinance not affected by Code generally.

Section 2. The City Code, Chapter 8 (Buildings and Building Regulations), Section 8-3 (Amendments to the International Plumbing Code 2009), is hereby deleted and the following is added in lieu thereof:

Sec. 8-5. Amendments to the 2015 International Plumbing Code

The following addition, insertions, deletion and changes in the 2015 International Plumbing Code and contained in this chapter shall be as set out below:

Section 101.1: Insert the words "City of Jefferson" as the name of the jurisdiction.

Section 103: Department of Plumbing Inspection

Delete Section 103.1, 103.2, and 103.3 and insert in their place:

103.1 General: The department of plumbing inspection known as the Department of Planning and Protective Services is hereby continued and the executive official in charge thereof shall be known as the Director of Planning and Protective Services. Wherever the words "code official" appear in this code, it shall mean the Director of Planning and Protective Services or his or her designee, such designee to be also known as the "Plumbing Inspector."

103.1.1 Qualifications of Plumbing Inspector: The Plumbing Inspector shall be of good moral character and be physically able to carry out all the provisions of the Plumbing Code. The Plumbing Inspector shall have 4,000 or more hours experience as a licensed journeyman in the trade. The Plumbing Inspector shall be a City of Jefferson licensed journeyman plumber, but shall not be actively engaged in the plumbing business, nor associated with the operation of any person, firm or corporation engaged in the plumbing business in Jefferson City. The Plumbing Inspector shall obtain a Master Plumber license and all applicable International Code Council plumbing certificates within two (2) years of being appointed by the City Administrator.

103.2 Appointment: The Plumbing Inspector shall be appointed by the City Administrator.

103.3 – Deputies: The Director of Planning and Protective Services shall recommend to the City Administrator the employment of plumbing inspectors and other employees in sufficient numbers to assure enforcement of the Plumbing Code.

Section 106.1 - add the following:

106.1.3 Permit Application: Application for permits for plumbing work shall be made on forms provided by the City Administrator.

106.1.4 Permits: Plumbing permits shall only be issued to licensed plumbing contractors and approved qualified home owners.

106.1.5 Homeowner Permits - A permit may be issued to a qualified person (qualification shall be determined by a test of basic knowledge of plumbing principles) to do work in a single family dwelling used exclusively for their living purposes, including the usual accessory buildings and quarters in connection with such buildings, provided that the person is a bona fide owner of such dwelling and shall occupy said dwelling for one (1) calendar year after date of approved final inspection of work covered by the permit. Owner shall personally purchase all materials and perform all labor in connection therewith, and that the applicant shall file an affidavit certifying that these conditions are correct before the issuance of the permit. Work performed under any permit shall be subject to all applicable regulatory provisions of this Code.

Section 106.2: add the following items to exempt work:

- 3. a) Water faucet repair/replacement**
- b) Toilet tank fixtures repair/replacement**
- c) Bathroom stool replacement**
- d) Bathroom/kitchen drains unclogging**

(Ord. No. 12810, §2, 9-8-98; Ord. 14484, §2, 3-2-2009)

Section 106.6.1 – replace this section with the following:

Where work for which a permit is required by this Code is started prior to obtaining said permit, the fees specified in Appendix Y of the Code of the City of Jefferson shall be doubled. Should any person, firm or corporation commit a second offense by starting work without permit after so doing on a previous occasion, he or she shall pay three times the customary fee in order to obtain the necessary permit. Any offense shall subject the offender to prosecution under section 108.4. In the event any person, firm or corporation fails to obtain the necessary permit(s) within 5 days after being notified in writing to do so by the Building Official, he or she shall pay in addition to the usual fee or increased penalty as provided above the sum of \$25.00 for each calendar day in excess of the aforesaid 5 days that transpire prior to his or her obtaining the necessary permit. The payment of any or several of the above stated penalty fees shall not relieve any person, firm or corporation from fully complying with the requirements of this code in the execution of the work nor from any other

penalties prescribed herein, or in the City Code.

Section 106.6.2: insert the following:

The fees for building construction permits shall be set in Appendix Y of the City Code for the City of Jefferson.

Section 106.6.3: – Fee refunds delete this section

Section 107.2: – add item (4) to the last paragraph:

(4): Notice of inspection; it shall be the duty of the permit holder to contact the Department of Planning and Protective Services to arrange for each required inspection. The permit holder shall allow twenty-four (24) hours for the Plumbing Inspector or Code Enforcement personnel to conduct required inspections during the City's normal working hours.

Section 108.4: – replace this section with the following:

Any person who shall violate a provision of this Code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair a building or structure in violation of an approved plan or directive of the Building Official, or of a permit or certificate issued under the provisions of this code, shall be punished by a fine as set forth in Section 1-13 of the City Code. Each day that a violation continues shall be deemed a separate offense.

Section 108.5: replace the last line with the following sentence (shall be liable for a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.):

“...shall be subject to the penalties specified in Section 108.4.”

Section 109: Delete Sections 109.2 thru 109.7 and insert in their place the following:

109.2 Board of Plumbing Review and Examiners, Appointment and Term of Office:

Division 2 of Article XIII, Chapter 7, establishes a board of plumbing examiners and review with attendant duties and powers. Whenever reference is made to the "Board" in Section 8-4 of Chapter 8 of the Code of the City of Jefferson, Missouri, reference is to the board of plumbing review and examiners.

(Ord. No. 11905, § 8, 5-17-93)

109.2.1 Duties of the Board: The Board shall act on grievances by an applicant for a plumbing permit, the holder of plumbing permit, or the owner and/or agent of a building or structure wherein plumbing work is to be installed. Such grievances shall be an appeal of the decision of the Plumbing Inspector or authorized agent or representative. A grievance is refusing to grant a modification of provision of the Plumbing Code governing the installations or materials to be used. Applications for appeal will be submitted to the Director of Planning and Protective Services or an authorized representative, when it is claimed that:

1. The true intent of the Plumbing Code or rules adopted thereunder has been incorrectly interpreted.
2. The provisions of the Plumbing Code do not fully apply.

At such time as the Board meets to act on such an appeal, if one of the members of said Board has a financial or material interest in the appeal, that member shall not vote. A simple majority of those voting shall constitute a qualified decision. In the event the voting members of the Board are evenly divided, the decision of the Plumbing Inspector shall be affirmed and the Board may review all examinations and the Plumbing Code and shall transmit to City Council any and all recommendations and/or changes necessary to update the Plumbing Code.

109.2.2 Meeting of the Board: The Board shall meet at such intervals as may be necessary for

the proper performances, upon call of the Board Chair, but not less than twice a year. Minutes of meetings will be kept on file for Council review.

109.2.3 Licenses: No person, firm or corporation shall install, repair, alter, or extend any plumbing system within the City of Jefferson unless licensed as required in this ordinance. Plumbing System includes the water supply and distribution pipes; plumbing fixtures and traps; soil, waste and vent pipes, and sanitary and storm sewer and building drains; in addition to their respective connections, devices and appurtenances within a structure or premises and their extension to the purveyors or other water supply and the connection there to a point of disposal.

109.2.3.1 Application, Qualification and Fee for Licenses: Persons desiring a license shall complete and submit to the Plumbing Inspector an application for license. (Applications are obtained from the Department of Planning and Protective Services).

109.2.4 Plumbing Contractor License: Persons desiring a Plumbing Contractor License shall be or employ full time a licensed Master Plumber and maintain a two thousand dollar (\$2,000) surety bond. Said bond shall indemnify and keep harmless the City of Jefferson from all liability from any accidents or damages arising from negligence or unskillfulness in doing or protecting work or any unfaithful or inadequate work done in pursuance of the Plumbing Business and that all street and right of way shall be restored to a condition acceptable to the City of Jefferson, Department of Public Works and shall maintain the acceptable condition for a period of one (1) year thereafter. This license is renewable annually for a fee as stated in Appendix Y and shall be renewed during January of the following calendar year. Persons licensed as a Plumbing Contractor shall immediately notify the Plumbing Inspector, in writing, of any changes of name, address, phone number, or location of their plumbing business.

109.2.5 Master Plumber Licenses: Persons desiring a license shall have been licensed as a journeyman with the City of Jefferson a minimum of two (2) years or provide proof of licensed journeyman or master experience acceptable to the Board, and score a minimum of 75% on the Thomson Pro-Metric Testing or Pearson VUE Master Plumber Examination. This license requires a fee as stated in Appendix Y and is permanent unless revoked for cause. A Master Plumber who also holds one (1) or more additional trade licenses with the City of Jefferson may supervise no more than two (2) apprentices in any one (1) trade at any one (1) permitted job site.

109.2.6 Journeyman Plumbing Licenses: Persons desiring a license shall have been licensed as an apprentice with the City of Jefferson a minimum of four (4) years and shall have worked under the direct supervision of a licensed journeyman or master plumber during these four (4) years or show proof of four (4) years plumbing experience acceptable to the Board and score a minimum of 75% on the Thomson Pro-Metric Testing or Pearson VUE Journeyman Plumbers Examination. This license requires a fee as stated in Appendix Y and is permanent unless revoked for cause. A Journeyman Plumber who also holds one (1) or more additional trade licenses with the City of Jefferson may supervise no more than two (2) apprentices in any one (1) trade at any one (1) permitted job site.

109.2.7 Apprentice Plumber License: Persons desiring a license to work as an apprentice plumber shall submit their name, address, phone number and social security number with the fee as stated in Appendix Y to the Plumbing Inspector. This license is renewable each calendar year. Holder of an apprentice plumber license may only work under the direct supervision of a licensed master or journeyman plumber. The ratio of apprentices to journeyman or master is two (2) to one (1). Apprentices may only obtain one (1) trade license per calendar year.

(Ord. No. 15486, §2, 2-1-2016)

109.2.8 Licenses, Suspension or Revocation: The Board may suspend or revoke the license of any apprentice, journeyman, master or contractor plumber when charges are made against them by the Plumbing Inspector, and the Board finds the person charged is incompetent or had willfully violated the provisions of this Code. Prior to Board action, the person charged shall be given at least ten (10) days' notice of the time and place of a formal hearing on said charges and the person charged shall be apprised of the charges. The person charged shall be given the opportunity to appear in person or with an attorney and shall have the burden of showing cause why the license should not be suspended or revoked. The Board shall render its decision within a reasonable time after the hearing. The decision shall be final, no appeal shall be allowed. The Board may dismiss the charges, suspend the license for such period deemed proper or permanently revoke the charged person's license. A person whose license has been revoked by the Board shall not be permitted to re-apply for a license for a period of one (1) year, and must successfully pass any required examination for the license.

109.2.9 Assignment of Contractor Licenses: No person licensed as a Plumbing Contractor shall allow this license to be used by others for the purpose of obtaining Plumbing Permits or knowingly allow non-licensed persons to do plumbing work.

109.3.0 Re-Examination: Persons who fail to pass the examination as prescribed may apply for re-examination after the expiration of one hundred twenty (120) days. Should applicant fail on re-examination, the applicant may not re-apply for a period of 120 days and shall be considered a new applicant.

Section 305.4: add the following line to this section:

“The frost line in City of Jefferson, Missouri is 24 inches.”

Section 305.4.1: replace this section with the following:

305.4.1 Sewer depth: Building sewers that connect to private sewage disposal systems shall be installed not less than 24 inches below finished grade at the point of septic tank connection. Building sewers shall be installed not less than 24 inches below finished grade.

Section 312.6 Gravity Sewer Test: delete this section

Section 312: add these sections

312.10.3 Testing of back flow prevention assemblies shall be conducted by City of Jefferson, Missouri licensed Journeyman or Master Plumber certified by the State of Missouri as a back flow prevention assembly tester.

312.10.4 Inspection and testing of back flow prevention assemblies: After the required test of a back flow prevention assembly at time of installation, the testing requirements shall become the responsibility of the water purveyor.

Section 603 Water Service: add this section:

Section 603.1.1 Provide 14 gauge tracer wire or other approved utility location technology over water service lines from the structure to the water main connection (RSMo 319.033.1).

Tables 605.3 Water Service Pipe, 605.4 Water Distribution Pipe, and 605.5 Pipe Fitting; replace these tables with the following tables:

Table 605.3
Water Service Pipe

<u>Material</u>	<u>Standard</u>
<u>Brass Pipe</u>	<u>ASTM B43</u>
<u>Copper or Copper Alloy Pipe</u>	<u>ASTM B 42; ASTM B 302</u>
<u>Copper or Copper Alloy Tubing</u> <u>(Type K or WK)</u>	<u>ASTM B 75; ASTM B 88; ASTM B 251;</u> <u>ASTM B 447</u>
<u>Cross-Linked Polyethylene (PEX)</u> <u>plastic tubing</u> <u>Plastic Pipe and Tubing</u>	<u>ASTM F 876; ASTM F 877; AWWA</u> <u>C904</u> <u>CSA B 137.5; SDR 9 4710 CTS</u>
<u>Ductile Iron Water Pipe</u>	<u>AWWA C 151; AWWA C 115</u>
<u>Polyethylene (PE) plastic pipe</u>	<u>ASTM D 2239, ASTM D 3035, AWWA</u> <u>C901; CSA B137.11</u>
<u>Polyethylene PE</u> <u>Plastic Tubing</u>	<u>ASTM D 2737; AWWA C901; CSA B</u> <u>137.1</u>
<u>Stainless steel pipe (Type 304/304L)</u>	<u>ASTM A 312, ASTM A 778</u>
<u>Stainless steel pipe (Type 316/316L)</u>	<u>ASTM A 312, ASTM A 778</u>

Table 605.4
Water Distribution Pipe

<u>Material</u>	<u>Standard</u>
<u>Brass Pipe</u>	<u>ASTM B 43</u>
<u>Copper or Copper Alloy Pipe</u>	<u>ASTM B 42; ASTM B 302</u>
<u>Copper or Copper Alloy Tubing</u> <u>(Type K, WK, L, WL, M or WM)</u>	<u>ASTM B 75; ASTM B 88;</u> <u>ASTM B 251; ASTM B 447</u>
<u>Cross-Linked Polyethylene (PEX)</u> <u>Plastic Tubing</u>	<u>ASTM F 876, ASTM F 877 CSA B137.5</u>
<u>Cross-Linked</u> <u>Polyethylene/aluminum/high-density</u> <u>polyethylene (PEX-AL-HDPE) pipe</u>	<u>ASTM F 1281, ASTM F 2262, CSA</u> <u>B137.10</u>
<u>Cross-Linked</u> <u>Polyethylene/aluminum/high-density</u> <u>polyethylene (PEX-AL-HDPE)</u>	<u>ASTM F 1986</u>
<u>Ductile iron pipe</u>	<u>AWWA C151/A21.51, AWWA</u> <u>C115/A21.15</u>
<u>Polyethylene/aluminum/polyethylene</u> <u>(PE-AL-PE) composite pipe</u>	<u>ASTM F 1282</u>
<u>Polyethylene of raised temperature</u> <u>(PE-RT) plastic tubing</u>	<u>ASTM F 2769</u>
<u>Polypropylene (PP) plastic pipe or</u> <u>tubing</u>	<u>ASTM F 2389; CSA B137.11</u>
<u>Stainless steel pipe (Type 304/304L)</u>	<u>ASTM A 312; ASTM A 778</u>
<u>Stainless steel pipe (Type 316/316L)</u>	<u>ASTM A 312; ASTM A 778</u>

Table 605.5

Pipe Fittings

<u>Material</u>	<u>Standard</u>
<u>Cast Iron</u>	<u>ASME B 16.4</u>
<u>Copper or Copper Alloy</u>	<u>ASME B 16.15; ASME B 16.18; ASME B 16.22; ASME B 16.26; ASME B 16.51; ASSE 1061, ASTM F 1476, ASTM F 1548</u>
<u>Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)</u>	<u>ASTM F 1986</u>
<u>Fittings for polyethylene (PEX) plastic tubing</u>	<u>ASSE 1061, ASTM F 877, ASTM F 1807, ASTM F 1960, ASTM f 2080, ASTM F 2098, ASTM F 2159, ASTM F 2434, ASTM F 2735, CSA B137.5</u>
<u>Fittings for polyethylene of raised temperature (PE-RT) plastic tubing</u>	<u>ASTM F 1807, ASTM F 2098, ASTM F 2159, ASTM F 2735, ASTM F 2769</u>
<u>Gray Iron and Ductile Iron</u>	<u>ASTM F 1476, ASTM F 1548, AWWA C110/A21.10; AWWA C153/A21.53</u>
<u>Insert for polyethylene/aluminum/polyethylene (PE-AL-PE) and cross-linked polyethylene/ aluminum/cross-linked polyethylene (PEX-AL-PEX)</u>	<u>ASTM F 1974, ASTM F 1281, ASTM F 1282, CSA B137.9, CSA B 137.10M</u>
<u>Metal (brass insert fittings for polyethylene/aluminum/polyethylene (PE-AL-PE) and cross-linked polyethylene/ aluminum/cross-linked polyethylene (PEX-AL-PEX)</u>	<u>ASTM F 1974</u>
<u>Polyethylene (PE) Plastic</u>	<u>ASTM D 2609, ASTM D 2683, ASTM D 3261, ASTM F 1055, CSA B 137.11</u>
<u>Polypropylene (PP) plastic pipe or tubing</u>	<u>ASTM F 2389, CSA B137.11</u>
<u>Stainless steel (Type 304/304L)</u>	<u>ASTM A 312, ASTM A 778, ASTM F 1476, ASTM F 1548</u>

<u>Stainless steel (Type 316/316L)</u>	<u>ASTM A 312, ASTM A 778, ASTM F 1476, ASTM F 1548</u>
<u>Steel</u>	<u>ASTM B 16.9; ASME B 16.11, ASME B 16.28, ASTM F 1476, ASTM F 1548</u>

Section 608.14.2.2: add this section

608.14.2.2 Back flow preventers installation height shall be one (1) foot minimum and five (5) feet maximum.

Section 608.16.5: replace this section with the following:

608.16.5 Connection to Lawn Irrigation System: The potable water supply to lawn irrigation system shall be protected against back flow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker, a double check-valve assembly or a reduced-pressure principle back flow preventer. A valve shall not be installed downstream from an atmospheric-type vacuum breaker. Where chemicals are introduced into the system, the potable water shall be protected by a reduced pressure principle back flow preventer.

Section 608.17.1: replace this section with the following:

608.17.1: An individual water supply shall be located constructed as currently required by the State of Missouri and U.S. Government (Federal) requirements to be safeguarded against contamination. State and Federal requirements shall govern if different than the following sections under this heading.

Section 701.4 Sewage Treatment: add the following section

701.4.1: Private Sewage Disposal System shall be as currently required by the State of Missouri Department of Health and Senior Services 19 CSR 20-3.060 Minimum Construction Standards for on-site sewage disposal system (RSMo 701.025 – 701.059).

Tables 702.1, 702.2, 702.3, material's column , delete the following:

“cellular core or composite wall”.

Table 702.3 Building Sewer Pipe: delete SDR 35

Section 703: add the following sections:

703.7 – Minimum size for a building sewer or building drain is 4 inches and a minimum of schedule 40 (non-metallic).

703.8 – Provide a 14 gauge tracer wire over the structure's building drain from its exterior cleanout to the public sewer connection (RSMo 319.033.1).

Section 708.1.3: replace this section with the following:

708.1.3 Building Drain and Building Sewer Junction: There shall be an exterior two-way or double clean out at the junction of the building drain and the building sewer within five (5) feet of the structure unless a different distance is approved. The two-way fitting with a single riser shall be installed up to finish grade level for installations two feet (2') or less. Two wyes and eighth bends (double clean out with wyes arranged so the entire piping can be cleaned) with risers up to finish grade level shall be used for installations over two feet (2') deep. Plugs and caps shall be of approved type to serve each location.

Section 715.1: replace this section with the following:

715.1 Sewage Backflow. Where plumbing fixtures are installed on a floor with a finished floor elevation below the elevation of the manhole cover of the next upstream manhole in the public sewer, all fixtures shall be protected by a backwater valve installed in the building drain.

Section 903.1: insert 12" for the termination extension above the roof

Section 904: add the following section:

904.1.3 Main Vent Required: Minimum vent size required: Every drainage system receiving discharge of a water closet shall have a minimum of one - three inch (3") vent or the equivalent of three - two inch (2") vents connected to the drainage system and run as direct as possible through to the open air above the roof.

Section 918 Air Admittance Valves: replace this entire section with the following:

918 Air Admittance Valves:

918.1 General: Air admittance valves shall not be installed unless prior approval is received from the code official.

Section 1003.3.1 add the following section:

1003.3.1.1 Grease Interceptor Design: The inlet (effluent) shall be two inches (2") above the outlet (effluent). A center baffle shall run to within six inches (6") of the bottom inside and be sealed to the top and both sides. The outlet shall have a tee baffle with top open and the bottom extended to within six inches (6") of the bottom inside. The inlet shall have a ¼ (90°) bend sweep installed with the open end down and extended down one foot-four inches (1'-4"). There shall be a man hole or holes installed so the entire inside of the interceptor can be cleaned.

Section 1003.9 add the following section

1003.9.1 All outside interceptors when vented back to building must terminate through roof, separate from the sanitary system.

(Ord. No. 11202, § 2, 4-17-89; Ord. 12138, §2, 8-15-94; Ord. 13578, §2, 7-21-2003; Ord. 14106, §1, 10-16-2006; Ord. 14484, §2, 3-2-2009; Ord. 14973, §1, 5-21-2012)

Section 3. This Ordinance shall be in full force and effect from 60 calendar days after the date of its passage and approval.

Passed: Aug. 21, 2017

Approved: Aug. 22, 2017

Carrie Tergin
Presiding Officer

Carrie Tergin
Mayor Carrie Tergin

ATTEST:

[Signature]
City Clerk

APPROVED AS TO FORM:

[Signature]
City Counselor