

## Ordinance Submittal and Synopsis

Ordinance Title: 2015 *Uniform Plumbing Code*

Date: December 7, 2016

Title XV: Land Usage

Chapter 150 Building

Section 150.301 Adopted

Section 150.302 Amendments to Code

Sections 150.303–150.317 Plumbing Licensure

First Reading: January 3, 2017

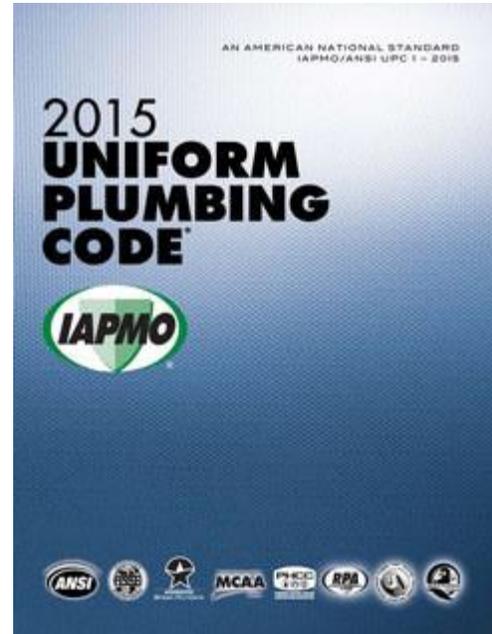
Date of Hearing: January 10, 2017

Proposed by:

Ron Bell, Chief Building Services Official

Mark Polly, Chief Plumbing Inspector

Planning and Building Services



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**Reason:** To be consistent with the South Dakota State Plumbing Commission, the attached ordinance proposes to adopt the 2015 Edition of the *Uniform Plumbing Code* (UPC), which is published by the International Association of Plumbing and Mechanical Officials (IAPMO). The 2015 *Uniform Plumbing Code* comprehensively regulates plumbing systems with up-to-date new technology and industry practices and is focused on scientifically-based health and safety concerns which provide minimum standards and requirements to safeguard the public by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance, or use of plumbing systems.

Significant changes to the 2015 UPC include:

- New product standards for plumbing fixtures such as lavatories, showers, bathtubs and whirlpool bathtubs, bidets, urinals, drinking fountains, and sinks (Chapter 4).
- Lead-content provisions have been revised to address the minimum acceptable percentage lead content for pipes and fittings (Chapter 6).
- New requirements for the insulation of hot water piping (Chapter 6).
- New requirements for medical gas and vacuum systems based on NFPA 99.
- New testing and inspection provisions for nonpotable alternate water source systems (Chapter 15).
- New requirements for testing, inspection, and maintenance of nonpotable rainwater catchment systems (Chapter 16).

The vast majority of amendments referenced in “Section 150.302. Amendments to the code” mirror the same changes made by the State Plumbing Commission. The intent is to insert the same amendments developed by the state such that the City’s plumbing standards are consistent with the state’s plumbing standards.

The Plumbing Inspection Division of Building Services will continue to regulate and inspect for certain provisions of the UPC that the state has eliminated in their administrative rules. Provisions for Water Heaters (Chapter 5), Fuel Piping (Chapter 12), Health Care Facilities and Medical Gas and Vacuum Systems (Chapter 13), Firestop Protection (Chapter 15), Appendices E–Manufactured/Mobile Home Parks, I–Installation Standards, J–Reclaimed Water Systems for Nonresidential Structures, and K–Private Sewage Disposal Systems, which the state eliminated from the UPC, has been retained in this ordinance as it has in previous code cycles.

The following new local amendments have included with this ordinance:

**Table 104.5 PLUMBING PERMIT FEES:** The plumbing fee table defines the fees charged for plumbing inspections and permits. Most of the plumbing fees remained the same except for Items 17 and 18 which are new types of inspections referenced in the 2015 UPC.

**407.3 Limitation of Hot Water Temperature for Public Lavatories.** In addition to public use lavatories, kitchen sinks, and hair salon and pedicure sinks have been added to assure that tempered water is provided to prevent scalding in hair salons and pedicure areas.

**602.3 Backflow Prevention.** This provision clarifies that the backflow preventer is required to be located immediately downstream of the water meter and before any branch piping from the service line. It also clarifies that The City of Sioux Falls Cross Control Manual is the referenced standard for containment backflow protection.

**603.2 Approval of Devices or Assemblies.** This clarifies that the City of Sioux Falls Cross Connection Control Manual is the referenced standard for containment backflow protection.

**603.4.2 Testing.** This specifies that assembly test reports of containment backflow devices are required to be completed by a certified tester, the test results are required to be sent to the water supplier, and it also defines the testable assemblies, which are all in accordance with the City of Sioux Falls Cross Connection Control Manual.

**608.2 Excessive Water Pressure.** The plumbing inspector needs to know when the expansion tank to accommodate excessive water pressure was installed and what the pressure was when installed in order to inspect for pressures in the water distribution system.

**703.1 Minimum Size.** This will allow the adding or switching of fixtures such as changing a tub to a shower to drain to a proper sized pipe and will eliminate the removal of flooring to accommodate a larger drain pipe where a 1 ½ inch drain is installed.

**705.5.2 Solvent Cement Joints.** This simply requires that the solvent be recognizable as being applied instead of only a purple color. Purple primer is required for underground installations to be able to identify that a primer was used.

**710.3 Sewage Ejector and Pumps.** This simply eliminates the use of a gate valve for a sewage pump or ejector in single-family dwellings consistent with the state. For commercial uses, a full port valve will allow full flow through the valve and will eliminate flow restriction.

**1018.0 Combination Sand and Oil Separator.** This inserts the minimum standard dimensions for a combination sand and oil interceptor which has been approved by Public Works and additionally clarifies that combination oil and sand interceptors are required where floor drains are provided in motor vehicle parking and repair garages.

An editorial change removes the plumbing ordinance from its previous location in the City ordinance from Title XI: Business Regulations: Chapter 121: Plumbing, and relocates the plumbing code standards with the rest of the building, electrical, mechanical, and property maintenance code standards to Title XV: Land Usage: Chapter 150: Building.

**The Plumbing Board of Appeals and Examiners reviewed the adoption of the 2015 Uniform Plumbing Code on December 7, 2016. Each local amendment was presented and reviewed for input from the board. The Plumbing Board moved approval to forward the ordinance to the City Council for adoption.**