



## MEMORANDUM

**TO:** Board of Building Appeals Members

**FROM:** Keith N. Steiskal, Building Official

**DATE:** September 7, 2016

**SUBJECT: BUILDING CODE AMENDMENTS – CHAPTER 150.050 OF THE VILLAGE CODE (PLUMBING)**

Staff is advancing a few code amendments to the Board of Building Appeals pertaining to requisite plumbing fixtures. These amendments pertain to Water Sense fixtures, which were discussed and supported at the last BOBA meeting as well as new provisions pertaining to restaurant grease trap sizing.

For reference purposes, the proposed amendments are to address to address interpretations set forth by the Illinois Department of Public Health (IDPH) as it pertains to the State Plumbing Code as well as our past and ongoing engagement with the Glenbard Wastewater Authority (GWA) pertaining to the governance of the Fats, Oils and Grease (FOG) program. The state previously issued an opinion that only the State, through the IDPH, can promulgate rules pertaining to plumbing and that municipalities cannot adopt any provisions that are either more or less restrictive than their regulations. If amendments are sought, they must be approved by the IDPH and they would only be approved based upon documentation and evidence that states that the provisions are of general applicability and not for specific municipalities.

Attached are the proposed amendments to the Illinois Plumbing Code.

### **ACTION REQUESTED**

Staff seeks the input regarding the proposed amendments at the scheduled BOBA meeting and recommends approval of the amendments to Chapter 150.050 as it pertaining to the plumbing code provisions. Should such language be supported, staff will transmit the draft language to the State Department of Public Health for their concurrence and approval. Upon receiving their approval, staff will then transmit the amendment to the Village Board for final consideration and adoption.

ARTICLE VI. - ILLINOIS STATE PLUMBING CODE

§ 150.050 - Adoption by reference; amendments.

(A) The Illinois State Plumbing Code. There is hereby adopted a certain code known as the "Illinois State Plumbing Code, latest edition as adopted by the Illinois Department of Health, for the purpose of prescribing regulations for plumbing fixtures, materials, and design and installation methods as minimum standards for plumbing in the Village of Lombard. Said "Illinois State Plumbing Code, latest edition" is hereby adopted by reference in its entirety, subject to those sections not adopted or amended pursuant to the provisions herein stated below of the Lombard Municipal Code.

Page 7 Appendix A Table A (Water Service)

Eliminate all material except: Type K copper

Ductile Iron

Page J 2 Section 890.1320 A 12 foot "suds zone" shall be installed at all commercial/multi-family buildings where a laundry stack is present. Suds zone shall tie in a minimum of 12 foot from closest fixture.

~~Page I-14 890.1190 B Insert: Remote reader to be installed by contractor at time of rough inspection. The remote reader wires to be installed in a pipe conduit flush to the outside wall and within one foot of the water meter.~~

~~Page I-14 890.1190 B Insert: EMT conduit for the water meter remote reader to be installed by contractor at time of rough inspection. The remote reader wires to be installed in the EMT conduit flush to the outside wall and within one foot of the water meter.~~

~~Section 890, Appendix A Approved Materials for Building Sewer. The approved materials are the following items: 3) Cast Iron Soil 7) Polyvinyl Chloride (PVC) Pipe Specifically; SDR 26 PVC (Green, AWWA C900 (Blue), ASTM D2241 (White) 12) Identification of Piping Systems~~

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~~Amends Section 890, Appendix A, Table A of the ILPC~~

~~150.053 The following water saving plumbing fixtures shall be required and labeled as a WaterSense product. In all new construction and in all repairs and replacement of fixtures or trim, only fixtures and trim not exceeding the following flow rates of water usage shall be installed (ratings are based on a pressure at the fixture of 40 to 50 pounds per square inch:~~

<del>Water closets, tank type</del>	<del>3-5 1.28 gal. per flush</del>
<del>Water closets, flushometer type</del>	<del>3-0 1.5 gal. per flush</del>
<del>Urinals, tank type</del>	<del>3-0 1.0 gal. per flush</del>
<del>Urinals, flushometer type</del>	<del>3-0 0.5 gal. per flush</del>
<del>Shower heads</del>	<del>3-0 2.0 gal. per minute</del>
<del>Lavatory, sink faucets</del>	<del>3-0 1.5 gal. per minute</del>

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~~a. All grease interceptors shall be sized based on one hundred (100) percent of the connected fixtures' liquid-holding capacity. To determine the liquid holding capacity of the connected fixtures, the fixture basin length is multiplied by the width then by the height in inches, then divided by 231, then divided by a 1-minute drain time. When two or more sinks or receptacles are connected to an interceptor the liquid-holding capacity shall be based on the combined volume of all the fixtures served as~~

calculated above in addition to the flow rate of other fixture types per Section 890.510 TABLE R of the Illinois Plumbing Code as modified below multiplied by a one-minute drain time. For the purpose of sizing a hydro mechanical grease interceptor the resulting units are taken as gallons per minute, and for the purpose of sizing a gravity grease interceptor, as gallons.

All hydro mechanical grease interceptors shall bear a permanently affixed nameplate issued by a testing laboratory acceptable to the authority having jurisdiction which shall serve as the manufacturer's certification that the interceptor has been tested and certified for the specified flow rate. The nameplate shall be permanently marked with the manufacturer's name, the flow rate in gallons per minute, the grease capacity in pounds or the actual retained grease at breakdown, and the inlet and outlet sizes.

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This code shall not prohibit the installation of two grease interceptors installed in a parallel system as long as each interceptor is properly sized as required in Section 890.510 a)2)) for the connected fixture holding capacity.

Each FSE shall have a control manhole or sampling chamber installed and located at a point downstream of the GRS.

All kitchen drains and any other drains that may carry grease-laden waste shall be connected to this GRS, this includes but is not limited to: vegetable sinks, prep sinks, pre-rinse sinks, wok lines hand sinks, mop basins, floor drains, and bar sinks. No domestic sewage shall be routed to the GRS.

If a Commercial Dishwasher is to be connected to a grease interceptor, it must either be a separate grease interceptor with no other fixture connected to it and sized for the dishwasher, or a grease interceptor that is 500 gallons or larger.

The Illinois Plumbing Code Section 890.510(a)(3) prohibits an interceptor from accepting waste from a food waste disposal, therefore, food waste disposals are prohibited from being installed in FSE's as all fixtures and drains that may waste fats, oils, and grease must be connected to an interceptor.

(Ord. 6602, passed 4/7/11; Ord. No. 7138, 1, passed 10-15-15)