

# St. Clair Proposed Changes to the 2009 International Plumbing Code

**P 101.1**      **Title:** These regulations shall be known as the Plumbing Code of the City of St. Clair, Missouri, hereinafter referred to as “this code “.

**P 106.5.3**      **Expiration :** Change the following – 180 days to 365 days .

**P 108.4**      **Violation Penalties:** 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, install, construct, alter or repair plumbing work in violation of the approved construction documents or directive of the Code Official, or of a permit or certificate issued under the provisions of the code, shall be guilty of an ordinance violation, punishable as provided in Chapter 1 Sec. 1-8. of the Code of Ordinance of the City of St. Clair.

**P 108.5**      **Stop Work Orders:** Upon notice from the Code Official, work on any plumbing system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner’s agent, or to the person doing the work. The notice shall state the condition under which work is authorized to resume.

Where an emergency exists, the Code Official shall not be required to give a written notice prior to stopping of work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as the person is directed to perform to remove a violation or unsafe condition, shall be guilty of an ordinance violation punishable by a fine of not more than five hundred dollars (\$500.00) .

**P 305.6.1**      **Sewer Depth:** Delete in its entirety and add the following: All building sewers shall be a minimum depth of twenty four (24) inches (60.96cm) below grade.

*Note:* All forced mains must be a minimum depth of thirty (30) inches (76.2cm) below grade.

**P 417.3**      **Shower Waste Outlet :** Change from 1 ½” to 2’ in diameter.

**P 502.6**      **Prohibited Location : (New Section )** Gas- fired water heaters Shall not be installed in a sleeping room, bathroom, or a closet accessed through a sleeping room or bathroom.

**P 506.1**      **Residential Water Heater Sizing Chart**

Number of Bedrooms		1			2			3					
FUEL		GAS	ELECT	OIL	GAS	ELECT	OIL	GAS	ELECT	OIL	GAS	ELECT	OIL
1 to 1½ Baths	Storage (gal)	20	20	30	30	30	30	30	40	30			
	Input (Btu/h or kw)	27K	2.5 kw	70K	36K	3.5 kw	70K	36K	4.5 kw	70K			
	Draw (gph)	43	30	89	60	44	89	60	58	89			
	Recovery (gph)	23	10	59	30	14	59	30	18	59			
Number of Bedrooms		2			3			4			5		
FUEL		GAS	ELECT	OIL	GAS	ELECT	OIL	GAS	ELECT	OIL	GAS	ELECT	OIL
2 to 2½ Baths	Storage (gal)	30	40	30	40	50	30	40	50	30	50	66	30
	Input (Btu/h or kw)	36K	4.5 kw	70K	36K	5.5 kw	70K	38K	5.5 kw	70K	47K	5.5 kw	70K

	kw)												
	Draw (gph)	60	58	89	70	72	89	72	72	89	90	88	89
	Recovery (gph)	30	18	59	30	22	59	32	22	59	40	22	59
Number of Bedrooms			3			4			5			6	
FUEL		GAS	ELECT	OIL	GAS	ELECT	OIL	GAS	ELECT	OIL	GAS	ELECT	OIL
3 to 3½ Baths	Storage (gal)	40	50	30	50	66	30	50	66	30	50	80	40
	Input (Btu/h or kw)	38K	5.5 kw	70K	38K	5.5 kw	70K	47K	5.5 kw	70K	50K	5.5 kw	70K
	Draw (gph)	72	72	89	82	88	89	90	88	89	92	102	99
	Recovery (gph)	32	22	59	32	22	59	40	22	59	42	22	59

For SI: 1 gallon = 3.785 L, 1 gallon per hour = 1.05 mL/s, 1 Btu/h = 0.2931 W. °F. = 1.8°C + 32.

*NOTE:* Storage capacity, input and the recovery requirements indicated in the table are typical and may vary with each individual manufacturer. Any combinations of these requirements to produce 1-hour draw stated will be satisfactory. Recovery is based on 100°F. Water temperature rise. In addition to this chart, the use of tank-less or instantaneous water heaters is permitted and these appliances shall be sized and installed according to the manufactures recommendations. The use of more than one of these tank-less or instantaneous water heaters is also permitted, but only when approved by the manufacture.

***P 602.3 thru Individual Water Supply*** : Delete in its entirety.  
***602.3.5.1***

***P- 603.2*** ***Separation of water service and building sewer:*** Delete Exception #2 .

***P- 605.3*** ***Water Service Pipe*** : Table 605.3 Delete the following: (ABS) plastic pipe, asbestos-cement pipe,(CPVC) plastic pipe (PE) plastic

pipe and tubing, (PE-AL-PE) pipe, (PP) pipe and tubing, (PVC) plastic pipe.

- P- 605.4**      **Water Distribution Systems** : Table 2905.5 - Delete the following: (CPVC) plastic pipe and tubing,(PE-AL-PE) composite pipe, (PP) plastic pipe and tubing.
- P- 608.16.5**      **Connections to lawn irrigation systems** : Change to read as followed : The potable water supply to lawn irrigation systems shall be protected against backflow by a reduced pressure principle backflow preventer. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow preventer.
- P- 701.2**      **Sewer Required** : Delete in its entirety. And add the following. Every building in which plumbing fixtures are installed and all premises having draining piping shall be connected to a public sewer.
- P- 701.2.1**      **Private sewage Disposal** : (*New Section*) Private sewage disposal shall not be allowed except as approved by the Board of Alderman.
- P- 903.1**      **Required Vent Extension** : Add the following: Every building shall have a main stack a minimum of three (3) inches in diameter that is either a vent stack or a stack vent. Such shall run undiminished in size and as directly as possible from the building drain through to open air above the roof. All other vents to be no less than two (2) inches in diameters.
- P- 904.1**      **Roof Extension** : All open vents shall extend through the roof at least (12) inches (305) mm above the roof.
- P 904.4**      **Prohibited Use** : Add to last sentence. And approved by the Code Official.
- P- 917.1**      **General** : Vent systems utilizing air admittance valves shall comply with this Section. Individual- and branch-type air admittance valves shall conform to ASSE 1050 & 1051. Air admittance valves shall only be allowed in remodeling or

modification of the plumbing system where the vent cannot be tied into the existing venting system or terminate to the outside.

***P 1113.1.5 Discharge Piping : (New Section )*** All sump pump piping shall be discharged to the outside only. Discharge to sanitary sewer is prohibited.