

1    **BOARD BILL # 43           INTRODUCED BY ALDERMAN TERRY KENNEDY**

2    An ordinance adopting the International Fire Code, 2003 Edition, as the Fire  
3    Code of the City of St. Louis; repealing Ordinance 64772, which adopted the  
4    BOCA National Fire Code, 1999 Edition; repealing Ordinances 63805, 1996  
5    Edition and containing a penalty clause, a savings clause, a severability  
6    clause and an emergency clause.

7       **BE IT ORDAINED BY THE CITY OF SAINT LOUIS AS FOLLOWS:**

8    Section One.

9    The International Fire Code /2003 Edition as published by the International  
10   Code Council, Inc., a copy of which is filed of record in the Office of the  
11   Register of the City of Saint Louis , being marked and designated as the  
12   International Fire Code, 2003 edition, including Appendix Chapters D, E, F,  
13   and G, as published by the International Code Council, be and is hereby  
14   adopted as “ The Fire Code of the City of Saint Louis, in the State of  
15   Missouri regulating and governing the safeguarding of life and property  
16   from fire and explosion hazards arising from the storage, handling and use of  
17   hazardous substances, materials and devices, and from conditions hazardous  
18   to life or property in the occupancy of buildings and premises as herein  
19   provided; providing for the issuance of permits and collection of fees  
20   therefore; and each and all of the regulations, provisions, penalties,  
21   conditions and terms of said Fire Code are hereby referred to , adopted, and  
22   made a part hereof, as if fully set out in this ordinance, with the additions,

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1 insertions, deletions and changes, if any, prescribed in Section 3 of this  
2 ordinance.

3 Section Two.

4 Ordinance 64772, approved November 8, 1999, which adopted the BOCA  
5 National Fire Prevention Code, 1999 Edition, is hereby repealed.

6

7 Section Three.

8 That the International Fire Code is amended and changed in the following  
9 respects:

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11 Change Chapter 1 to read as follows:

12

## CHAPTER 1

13

### ADMINISTRATION

14

#### SECTION 101 GENERAL

15 101.1 Title. These regulations shall be known as the Fire Code of the City of St. Louis,  
16 hereinafter referred to as "this code."

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23 101.2 Scope. This code establishes regulations affecting or relating to structures,  
24 processes and premises and safeguards from the hazard of fire and explosion arising from  
25 the storage, handling or use of structures, materials or devices; from conditions hazardous

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1 to life, property or public welfare in the occupancy of structures or premises from fire  
2 hazards in the structure or on the premise from occupancy or operation; and, matters  
3 related to the construction, extension, repair, alteration or removal of fire suppression and  
4 alarm systems.

5 101.2.1 Appendices. Provisions in the appendices shall not apply unless specifically  
6 adopted.

7 101.3 Intent. The purpose of this code is to establish the minimum requirements consistent  
8 with nationally recognized good practice for providing a reasonable level of life safety and  
9 property protection from the hazards of fire, explosion or dangerous conditions in new and  
10 existing buildings, structures and premises and to provide safety to firefighters and  
11 emergency responders during emergency operations.

12 101.4 Severability. If a section, subsection, sentence, clause or phrase of this code is, for  
13 any reason, held to be unconstitutional, such decision shall not affect the validity of the  
14 remaining portions of this code.

15 101.5 Validity. In the event any part or provision of this code is held to be illegal or void,  
16 this shall not have the effect of making void or illegal any of the other parts or provisions  
17 hereof, which are determined to be legal; and it shall be presumed that this code would  
18 have been passed without such illegal or invalid parts or provisions.

## 21 SECTION 102 APPLICABILITY

22 102.1 Construction and design provisions. The construction and design provisions of this  
23 code shall apply to:

- 24 1. Structures, facilities and conditions arising after the adoption of this code.
- 25 2. Existing structures, facilities and conditions not legally in existence at the time of  
26 adoption of this code.
- 27 3. Existing structures, facilities and conditions when identified in specific sections of  
28 this code.
- 29 4. Existing structures, facilities and conditions which, in the opinion of the code  
30 official, constitute a distinct hazard to life or property.

31 102.2 Administrative, operational and maintenance provisions. The administrative,  
32 operational and maintenance provisions of this code shall apply to:

- 33 1. Conditions and operations arising after the adoption of this code.
- 34 2. Existing conditions and operations.

35 [E] 102.3 Change of use or occupancy. The provisions of the International Existing  
36 Building Code shall apply to all buildings undergoing a change of occupancy.

37 102.4 Application of building code. The design and construction of new structures shall  
38 comply with the International Building Code. Repairs, alterations and additions to existing  
39 structures shall comply with the International Existing Building Code.

40 [EB] 102.5 Historic buildings. The construction, alteration, repair, enlargement,  
41 restoration, relocation or movement of existing buildings or structures that are designated  
42 as historic buildings when such buildings or structures do not constitute a distinct hazard  
43 to life or property shall be in accordance with the provisions of the International Existing

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1 Building Code.

2 102.6 Referenced codes and standards. The codes and standards referenced in this code  
3 shall be those that are listed in Chapter 45 and such codes and standards shall be  
4 considered part of the requirements of this code to the prescribed extent of each such  
5 reference. Where differences occur between the provisions of this code and the referenced  
6 standards, the provisions of this code shall apply.

7 102.7 Subjects not regulated by this code. Where no applicable standards or requirements  
8 are set forth in this code, or are contained within other laws, codes, regulations,  
9 ordinances or bylaws adopted by the jurisdiction, compliance with applicable standards of  
10 the National Fire Protection Association or other nationally recognized fire safety  
11 standards as are approved shall be deemed as prima facie evidence of compliance with the  
12 intent of this code. Nothing herein shall derogate from the authority of the code official to  
13 determine compliance with codes or standards for those activities or installations within the  
14 code official's jurisdiction or responsibility.

15 102.8 Matters not provided for. Requirements that are essential for the public safety of an  
16 existing or proposed activity, building or structure, or for the safety of the occupants  
17 thereof, which are not specifically provided for by this code shall be determined by the  
18 code official.

19 102.9 Conflicting provisions. Where there is a conflict between a general requirement  
20 and a specific requirement, the specific requirement shall be applicable.

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22  
23 SECTION 103

24 DEPARTMENT OF FIRE PREVENTION

25 103.1 General. It shall be the duty and responsibility of the Chief of the Fire Department  
26 or of the Fire Prevention Bureau or their duly authorized representative shall enforce the  
27 provisions, administration and implementation of this code as herein set forth. The  
28 designated enforcement officer of this code is herein referred to as the code official or the  
29 Fire Marshal.

30 103.2 Appointment. The code official shall be appointed by the Chief of the Fire  
31 Department of the City of St. Louis; and the code official shall not be removed from  
32 office except for cause and after full opportunity to be heard on specific and relevant  
33 charges by and before the appointing authority.

34 103.3 Deputies. The code official is authorized to designate an employee as deputy who  
35 shall exercise all of the powers of the code official during the temporary absence or  
36 disability of the code official.

37 103.3.1 Organization: The code official shall appoint such number of officers,  
38 technical assistants, inspectors and other employees as is necessary for the  
39 administration of this code and as authorized by the appointing authority.

40 103.4 Liability. The code official, officer or employee charged with the enforcement of this  
41 code, while acting for the jurisdiction, shall not thereby be rendered liable personally, and  
42 is hereby relieved from all personal liability for any damage accruing to persons or  
43 property as a result of an act required or permitted in the discharge of official duties.

44 103.4.1 Legal defense. Any suit instituted against any officer or employee because of an

1 act performed by that officer or employee in the lawful discharge of duties and under the  
2 provisions of this code shall be defended by the legal representative of the City of St.  
3 Louis until the final termination of the proceedings. The code official or any subordinate  
4 shall not be liable for costs in an action, suit or proceeding that is instituted in  
5 pursuance of the provisions of this code; and any officer of the department of fire  
6 prevention, acting in good faith and without malice, shall be free from liability for acts  
7 performed under any of its provisions or by reason of any act or omission in the  
8 performance of official duties in connection therewith.

9 The above protection shall also extend to former employees for work performed during  
10 their period of employment with the City of St. Louis.

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12  
13 SECTION 104  
14 GENERAL AUTHORITY AND RESPONSIBILITIES

15 104.1 General. The code official is hereby authorized to enforce the provisions of this  
16 code and shall have the authority to render interpretations of this code, and to adopt  
17 policies, procedures, rules and regulations in order to clarify the application of its  
18 provisions. Such interpretations, policies, procedures, rules and regulations shall be in  
19 compliance with the intent and purpose of this code and shall not have the effect of  
20 waiving requirements specifically provided for in this code.

21 104.2 Applications and permits. The code official is authorized to receive applications,  
22 review construction documents and issue permits for construction regulated by this code,  
23 issue permits for operations regulated by this code, inspect the premises for which such  
24 permits have been issued and enforce compliance with the provisions of this code.

25 104.3 Right of entry. Whenever it is necessary to make an inspection to enforce the  
26 provisions of this code, or whenever the code official has reasonable cause to believe that  
27 there exists in a building or upon any premises any conditions or violations of this code  
28 which make the building or premises unsafe, dangerous or hazardous, the code official  
29 shall have the authority to enter the building or premises at all reasonable times to inspect  
30 or to perform the duties imposed upon the code official by this code. If such building or  
31 premises is occupied, the code official shall present credentials to the occupant and  
32 request entry. If such building or premises is unoccupied, the code official shall first make  
33 a reasonable effort to locate the owner or other person having charge or control of the  
34 building or premises and request entry. If entry is refused, the code official has recourse to  
35 every remedy provided by law to secure entry.

36 104.3.1 Warrant. When the code official has first obtained a proper inspection warrant  
37 or other remedy provided by law to secure entry, an owner or occupant or person  
38 having charge, care or control of the building or premises shall not fail or neglect, after  
39 proper request is made as herein provided, to permit entry therein by the code official  
40 for the purpose of inspection and examination pursuant to this code.

41 104.4 Identification. The code official shall carry proper identification when inspecting  
42 structures or premises in the performance of duties under this code.

43 104.5 Notices and orders. The code official is authorized to issue such notices or orders as  
44 are required to affect compliance with this code in accordance with Sections 109.1 and

1 109.2.

2 104.6 Official records. The code official shall keep official records as required by Sections  
3 104.6.1 through 104.6.4. Such official records shall be retained for not less than five years  
4 or for as long as the structure or activity to which such records relate remains in existence,  
5 unless otherwise provided by other regulations.

6 104.6.1 Approvals. A record of approvals shall be maintained by the fire code official  
7 and shall be available for public inspection during business hours in accordance with  
8 applicable laws.

9 104.6.2 Inspections. The code official shall keep a record of each inspection made,  
10 including notices and orders issued, showing the findings and disposition of each.

11 104.6.3 Fire records. The fire department shall keep a record of fires occurring within  
12 the City of St. Louis and of facts concerning the same, including statistics as to the  
13 extent of such fires and the damage caused thereby, together with other information as  
14 required by the code official.

15 104.6.4 Administrative. Application for modification, alternative methods or materials  
16 and the final decision of the code official shall be in writing and shall be officially re-  
17 corded in the permanent records of the code official.

18 104.7 Approved materials and equipment. All materials, equipment and devices approved  
19 by the code official shall be constructed and installed in accordance with such approval.

20 104.7.1 Material and equipment reuse. Materials, equipment and devices shall not be  
21 reused or reinstalled unless such elements have been reconditioned, tested and placed in  
22 good and proper working condition and approved.

23 104.7.2 Technical assistance. To determine the acceptability of technologies, processes,  
24 products, facilities, materials and uses attending the design, operation or use of a building  
25 or premises subject to inspection by the fire code official, the fire code official is  
26 authorized to require the owner or agent to provide, without charge to the City of St.  
27 Louis, a technical opinion and report. The opinion and report shall be prepared by a  
28 qualified engineer, specialist, laboratory or fire safety specialty organization acceptable  
29 to the fire code official and shall analyze the fire safety properties of the design,  
30 operation or use of the building or premises and the facilities and appurtenances  
31 situated thereon, to recommend necessary changes. The fire code official is authorized  
32 to require design submittals to be prepared by, and bear the stamp of, a registered  
33 design professional.

34 104.8 Modifications. Whenever there are practical difficulties involved in carrying out the  
35 provisions of this code, the code official shall have the authority to grant modifications for  
36 individual cases, provided the code official shall first find that special individual reason  
37 makes the strict letter of this code impractical and the modification is in compliance with  
38 the intent and purpose of this code and that such modification does not lessen health, life  
39 and fire safety requirements. The details of action granting modifications shall be recorded  
40 and entered in the files of the fire department.

41 104.9 Alternative materials and methods. The provisions of this code are not intended to  
42 prevent the installation of any material or to prohibit any method of construction not  
43 specifically prescribed by this code, provided that any such alternative has been approved.

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1 The code official is authorized to approve an alternative material or method of construction  
2 where the code official finds that the proposed design is satisfactory and complies with the  
3 intent of the provisions of this code, and that the material, method or work offered is, for  
4 the purpose intended, at least the equivalent of that prescribed in this code in quality,  
5 strength, effectiveness, fire resistance, durability and safety.

6 104.10 Fire investigations. The code official, the fire department or other responsible  
7 authority shall have the authority to investigate the cause, origin and circumstances of  
8 any fire, explosion or other hazardous condition. Information that could be related to trade  
9 secrets or processes shall not be made part of the public record except as directed by a  
10 court of law.

11 104.10.1 Assistance from other agencies. Police and other enforcement agencies shall  
12 have authority to render necessary assistance in the investigation of fires when  
13 requested to do so.

14 104.11 Authority at fires and other emergencies. The fire chief or officer of the fire  
15 department in charge at the scene of a fire or other emergency involving the protection of  
16 life or property or any part thereof, shall have the authority to direct such operation as  
17 necessary to extinguish or control any fire, perform any rescue operation, investigate the  
18 existence of suspected or reported fires, gas leaks or other hazardous conditions or  
19 situations, or take any other action necessary in the reasonable performance of duty. In  
20 the exercise of such power, the fire chief is authorized to prohibit any person, vehicle,  
21 vessel or thing from approaching the scene and is authorized to remove, or cause to be  
22 removed or kept away from the scene, any vehicle, vessel or thing which could impede or  
23 interfere with the operations of the fire department and, in the judgment of the fire chief,  
24 any person not actually and usefully employed in the extinguishing of such fire or in the  
25 preservation of property in the vicinity thereof.

26 104.11.1 Barricades. The fire chief or officer of the fire department in charge at the  
27 scene of an emergency is authorized to place ropes, guards, barricades or other  
28 obstructions across any street, alley, place or private property in the vicinity of such  
29 operation so as to prevent accidents or interference with the lawful efforts of the fire  
30 department to manage and control the situation and to handle fire apparatus.

31 104.11.2 Obstructing operations. No person shall obstruct the operations of the fire  
32 department in connection with extinguishment or control of any fire, or actions relative  
33 to other emergencies, or disobey any lawful command of the fire chief or officer of the  
34 fire department in charge of the emergency, or any part thereof, or any lawful order of  
35 a police officer assisting the fire department.

36 104.11.3 Systems and devices. No person shall render a system or device inoperative  
37 during an emergency unless by direction of the fire chief or fire department official in  
38 charge of the incident.

39 SECTION 105  
40 PERMITS

41 105.1 General. Permits shall be in accordance with Section 105.

42 105.1.1 Permits required. Permits required by this code shall be obtained from the code

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1 official. Permit fees, if any, shall be paid prior to issuance of the permit. Issued permits  
2 shall be kept on the premises designated therein at all times and shall be readily available  
3 for inspection by the code official.

4 105.1.2 Types of permits. There shall be two types of permits as follows:

5 1. Operational permit. An operational permit allows the applicant to conduct an  
6 operation or a business for which a permit is required by Section 105.6 for either:

7 1.1. A prescribed period.

8 1.2. Until renewed or revoked.

9 2. Construction permit. A construction permit allows the applicant to install or  
10 modify systems and equipment for which a permit is required by Section 105.7.

11  
12 105.1.3 Permits for the same location. When more than one permit is required for the  
13 same location, the code official is authorized to consolidate such permits into a single  
14 permit provided that each provision is listed in the permit.

15 105.2 Application. Application for a permit required by this code shall be made to the  
16 code official in such form and detail as prescribed by the code official. Applications for  
17 permits shall be accompanied by such plans as prescribed by the code official.

18 105.2.1 Refusal to issue permit. If the application for a permit describes a use that does  
19 not conform to the requirements of this code and other pertinent laws and ordinances,  
20 the code official shall not issue a permit, but shall return the application to the applicant  
21 with the refusal to issue such permit. Such refusal shall, when requested, be in writing  
22 and shall contain the reasons for refusal.

23 105.2.2 Inspection authorized. Before a new operational permit is approved, the code  
24 official is authorized to inspect the receptacles, vehicles, buildings, devices, premises,  
25 storage spaces or areas to be used to determine compliance with this code or any  
26 operational constraints required.

27 105.2.3 Time limitation of application. An application for a permit for any proposed  
28 work or operation shall be deemed to have been abandoned six months after the date of  
29 filing, unless such application has been diligently prosecuted or a permit shall have  
30 been issued; except that the code official is authorized to grant one or more extensions of  
31 time for additional periods not exceeding 90 days each if there is reasonable cause.

32 105.2.4 Action on application. The code official shall examine or cause to be examined  
33 applications for permits and amendments thereto within a reasonable time after filing. If  
34 the application or the construction documents do not conform to the requirements of  
35 pertinent laws, the code official shall reject such application in writing, stating the  
36 reasons therefore. If the code official is satisfied that the proposed work or operation  
37 conforms to the requirements of this code and laws and ordinances applicable thereto, the  
38 code official shall issue a permit therefore as soon as practicable.

39 105.3 Conditions of a permit. A permit shall constitute permission to maintain, store or  
40 handle materials; or to conduct processes which produce conditions hazardous to life or  
41 property; or to install equipment utilized in connection with such activities; or to install  
42 or modify any fire protection system or equipment or any other construction, equipment

1 installation or modification in accordance with the provisions of this code where a  
2 permit is required by Section 105.6. Such permission shall not be construed as authority  
3 to violate, cancel or set aside any of the provisions of this code or other applicable  
4 regulations or laws of the jurisdiction.

5 105.3.1 Expiration. An operational permit shall remain in effect until reissued,  
6 renewed, or revoked or for such a period of time as specified in the permit. Construction  
7 permits shall automatically become invalid unless the work authorized by such permit is  
8 commenced within 180 days after its issuance, or if the work authorized by such permit  
9 is suspended or abandoned for a period of 180 days after the time the work is  
10 commenced. Before such work recommences, a new permit shall be first obtained and  
11 the fee to recommence work, if any, shall be one-half the amount required for a new  
12 permit for such work, provided no changes have been made or will be made in the  
13 original construction documents for such work, and provided further that such  
14 suspension or abandonment has not exceeded one year. Permits are not transferable and  
15 any change in occupancy, operation, tenancy or ownership shall require that a new  
16 permit be issued.

17 105.3.2 Extensions. An applicant holding an unexpired permit shall have the right to  
18 apply for an extension of the time within which the applicant will commence work  
19 under that permit when work is unable to be commenced within the time required by  
20 this section for good and satisfactory reasons. The code official is authorized to grant, in  
21 writing, one or more extensions of the time period of a permit for periods of not more  
22 than 90 days each. Such extensions shall be requested by the permit holder in writing  
23 and justifiable cause demonstrated.

24 105.3.3 Occupancy prohibited before approval. The building or structure shall not be  
25 occupied prior to the code official issuing a permit that indicates that applicable provi-  
26 sions of this code have been met.

27 105.3.4 Conditional permits. Where permits are required and upon the request of a  
28 permit applicant, the code official is authorized to issue a conditional permit to occupy  
29 the premises or portion thereof before the entire work or operations on the premises is  
30 completed, provided that such portion or portions will be occupied safely prior to full  
31 completion or installation of equipment and operations without endangering life or  
32 public welfare. The code official shall notify the permit applicant in writing of any  
33 limitations or restrictions necessary to keep the permit area safe. The holder of a con-  
34 ditional permit shall proceed only to the point for which approval has been given, at the  
35 permit holder's own risk and without assurance that approval for the occupancy or the  
36 utilization of the entire premises, equipment or operations will be granted.

37 105.3.5 Posting the permit. Issued permits shall be kept on the premises designated  
38 therein at all times and shall be readily available for inspection by the code official.

39 105.3.6 Compliance with code. The issuance or granting of a permit shall not be  
40 construed to be a permit for, or an approval of, any violation of any of the provisions of  
41 this code or of any other ordinance of the City of St. Louis. Permits presuming to give  
42 authority to violate or cancel the provisions of this code or other ordinances of the  
43 jurisdiction shall not be valid. The issuance of a permit based on construction  
44 documents and other data shall not prevent the code official from requiring the

1 correction of errors in the construction documents and other data. Any addition to or  
2 alteration of approved construction documents shall be approved in advance by the  
3 code official, as evidenced by the issuance of a new or amended permit.

4 105.3.7 Information on the permit. The fire code official shall issue all permits required  
5 by this code on an approved form furnished for that purpose. The permit shall contain a  
6 general description of the operation or occupancy and its location and any other  
7 information required by the code official. Issued permits shall bear the signature of the  
8 fire code official.

9 105.4 Construction documents. Construction documents shall be in accordance with this  
10 section.

11 105.4.1 Submittals. Construction documents shall be submitted in one or more sets and  
12 in such form and detail as required by the code official. The construction documents  
13 shall be prepared by a registered design professional where required by the statutes of  
14 the jurisdiction in which the project is to be constructed.

15 105.4.2 Information on construction documents. Construction documents shall be drawn  
16 to scale upon suitable material. Electronic media documents are allowed to be submitted  
17 when approved by the code official. Construction documents shall be of sufficient clarity  
18 to indicate the location, nature and extent of the work proposed and show in detail that it  
19 will conform to the provisions of this code and relevant laws, ordinances, rules and  
20 regulations as determined by the code official.

21 105.4.3 Applicant responsibility. It shall be the responsibility of the applicant to ensure  
22 that the construction documents include all of the fire protection requirements and the  
23 shop drawings are complete and in compliance with the applicable codes and  
24 standards.

25 105.4.4 Approved documents. Construction documents approved by the code official  
26 are approved with the intent that such construction documents comply in all respects  
27 with this code. Review and approval by the code official shall not relieve the applicant  
28 of the responsibility of compliance with this code.

29 105.4.5 Corrected documents. Where field conditions necessitate any substantial  
30 change from the approved construction documents, the code official shall have the  
31 authority to require the corrected construction documents to be submitted for approval.

32 105.4.6 Retention of construction documents. One set of construction documents shall  
33 be retained by the code official until final approval of the work covered therein. One set  
34 of approved construction documents shall be returned to the applicant, and said set shall  
35 be kept on the site of the building or work at all times during which the work authorized  
36 thereby is in progress.

37 105.5 Revocation. The code official is authorized to revoke a permit issued under the  
38 provisions of this code when it is found by inspection or otherwise that there has been a  
39 false statement or misrepresentation as to the material facts in the application or  
40 construction documents on which the permit or approval was based including, but not  
41 limited to, any one of the following:

42 1. The permit is used for a location or establishment other than that for which it was  
43 issued.

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- 1 2. The permit is used for a condition or activity other than that listed in the permit.
- 2 3. Conditions and limitations set forth in the permit have been violated.
- 3 4. There have been any false statements or misrepresentations as to the material fact in
- 4 the application for permit or plans submitted or a condition of the permit.
- 5 5. The permit is used by a different person or firm than the name for which it was
- 6 issued.
- 7 6. The applicant failed, refused or neglected to comply with orders or notices duly
- 8 served in accordance with the provisions of this code within the time provided
- 9 therein.
- 10 7. The permit was issued in error or in violation of an ordinance, regulation or this
- 11 code.

12 105.6 Required operational permits. The code official is authorized to issue operational  
 13 permits for the operations set forth in Sections 105.6.1 through 105.6.46.

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 16  
 17

Section	Description	Permit Required	Permit Fee	Duration
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20	105.6.1	Aerosol products	no	N/A
21	105.6.2	Amusement buildings.	Yes	\$30
22	105.6.3	Aviation facilities.	No	N/A
23	105.6.4	Carnivals and fairs.	No	N/A
24	105.6.5	Battery systems.	No	N/A
25	105.6.6	Cellulose nitrate film	no	N/A
26	105.6.7	Combustible dust-producing operations.	No	N/A
27	105.6.8	Combustible fibers.	No	N/A
28	105.6.9	Compressed gases...	no	N/A
29	105.6.10	Covered mall buildings.	No	N/A
30	105.6.11	Cryogenic fluids.	No	N/A
31	105.6.12	Cutting and welding.	Yes	
32		Individual site		\$30 each operation
33		City wide		\$40 yearly
34	105.6.13	Dry cleaning plants.	No	N/A
35	105.6.14	Exhibits and trade shows.	Yes	\$50

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1	105.6.15	Explosives.		Yes	\$80
2	105.6.16	Fire hydrants and valves.		No	N/A
3	105.6.17	Flammable and Combustible liquids.		Yes	\$25
4	105.6.18	Floor finishing.		Yes	\$25
5	105.6.19	Fruit and crop ripening		no	N/A
6	105.6.20	Fumigation and thermal			
7		Insecticidal fogging.		Yes	\$20
8	105.6.21	Hazardous materials	no		N/A
9	105.6.22	HPM facilities.		No	N/A
10	105.6.23	High-piled storage.		No	N/A
11	105.6.24	hot work operations		yes	N/A
12	105.6.25	Industrial ovens.		No	N/A
13	105.6.26	Lumberyards and woodworking plants.		No	N/A
14	105.6.27	Liquid- or gas-fueled vehicles or			
15		Equipment in assembly buildings.	Yes		\$35
16	105.6.28	LP-gas. Storage or use		no	N/A
17		Transport of		no	N/A
18		Exhibits, demonstrations, picnics			
19		And carnivals (any quantity, for			
20		Duration of event)		yes	\$30
21		Bulk installation		yes	\$35
22		Use on construction site		yes	\$60
23		Fire propelled balloons		Yes	\$35per
24					Launch
25	105.6.29	Magnesium.		No	N/A
26	105.6.30	miscellaneous combustible storage.			
27		Flammable & combustible liquids			
28		Tanks and equipment			
29		To abandon, install or remove		yes	\$35 as required
30		Repair tank piping or pump	yes		\$30 as required
31		To clean		yes	\$30 as required
32	105.6.31	Open burning.		Yes	\$35
33	105.6.32	Open flames and torches		yes	\$30
34	105.6.33	Open flames and candles.		Yes	N/A
35	105.6.34	Organic coatings.		Yes	\$35
36	105.6.35	Places of assembly.		Yes	\$35
37	105.6.36	Private fire-hydrants.	No		N/A

1	105.6.37	Pyrotechnic special effects material.	Yes	\$35 per event
2		To store (not to exceed 48 hours)		\$35 per event
3		To transport		
4		One vehicle		\$40
5		Other vehicles		\$20
6	105.6.38	Pyroxylin plastics.	No	N/A
7	105.6.39	Refrigeration equipment.	No	N/A
8	105.6.40	Repair garages and service stations.	No	N/A
9	105.6.41	Rooftop heliports.	No	N/A
10	105.6.42	Spraying or dipping.	Yes	\$35
11	105.6.43	Storage of scrap tires and tire byproducts...	yes	\$35
12	105.6.44	Temporary membrane structures, tents		
13		and canopies.	Yes	\$35
14	105.6.45	Tire-rebuilding plants.	Yes	\$35
15	105.6.46	Waste handling.	Yes	\$35
16	105.6.47	Wood products.	No	N/A

17  
18

MISCELLANEOUS INSPECTION FEES

ITEM	FEE FOR INSPECTION	
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19  
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Hospitals, homes for the aged, nursing homes	No charge
Nursery school and children's homes	No charge
All board of public service permits	\$35
Dance hall permits (Initial inspection)	\$35
Site inspection survey/ File search/per address	\$35
Inspections and Services not covered in	
Fire code	\$35

30

FEES FOR WITNESSING TEST

Item	Permit Fee	Detail	Remarks
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31  
32

Leaking tanks and piping

1	In underground storage tanks	\$60/tank	emergencies only
2	To witness testing of fire pumps	\$125.00	acceptance testing
3	Fire fighting foam test	\$35	acceptance testing
4	Final inspection of sprinkler		
5	Or standpipe installation	\$125.00	acceptance testing
6	Final inspection of fire alarm		
7	1-10 devices	\$30	
8	11-20 devices	\$40	
9	21-30 devices	\$50	
10	31- above (each 10		
11	devices)	\$20	

21 FEES FOR CERTIFICATE OF FITNESS, REGISTRATION OR COMPETENCY

Item	Fee	Duration	Remarks
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23			
24			
25	Certificate of fitness to maintain		
26	Sprinkler and standpipe	\$35	1 year
27	To sell, lease or service		
28	Portable fire extinguishers	\$40	1 year
29	To install or service flammable		
30	Liquid tanks	\$40	1 year
31	To discharge fireworks	\$35	1 year
32	Certificate of registration		
33	(fireworks)	\$40	1 year Firms

40 105.6.1 Aerosol products. An operational permit is required to manufacture, store or  
41 handle an aggregate quantity of Level 2 or Level 3 aerosol products in excess of 500  
42 pounds (227 kg) net weight.

1 105.6.2 Amusement buildings. An operational permit is required to operate a special  
2 amusement building.

3 105.6.3 Aviation facilities. An operational permit is required to use a Group H or Group  
4 S occupancy for aircraft servicing or repair and aircraft fuel-servicing vehicles. Ad-  
5 ditional permits required by other sections of this code include, but are not limited to, hot  
6 work, hazardous materials and flammable or combustible finishes.

7 105.6.4 Carnivals and fairs. An operational permit is required to conduct a carnival or  
8 fair.

9 105.6.5 Battery systems. A permit is required to install stationary lead-acid battery  
10 systems having a liquid capacity of more than 50 gallons (189 L).

11 105.6.6 Cellulose nitrate film. An operational permit is required to store, handle or use  
12 cellulose nitrate film in a Group A occupancy.

13 105.6.7 Combustible dust-producing operations. An operational permit is required to  
14 operate a grain elevator, flour starch mill, feed mill, or a plant pulverizing aluminum, coal,  
15 cocoa, magnesium, spices or sugar, or other operations producing combustible dusts as  
16 defined in Chapter 2.

17 105.6.8 Combustible fibers. An operational permit is required for the storage and handling  
18 of combustible fibers in quantities greater than 100 cubic feet (2.8 m<sup>3</sup>).

19 Exception: A permit is not required for agricultural storage.

20 105.6.9 Compressed gases. An operational permit is required for the storage, use or  
21 handling at normal temperature and pressure (NTP) of compressed gases in excess of the  
22 amounts listed in Table 105.6.9.

23 Exception: Vehicles equipped for and using compressed gas as a fuel for propelling  
24 the vehicle.

25 TABLE 105.6.9  
26 PERMIT AMOUNTS FOR COMPRESSED GASES

TYPE OF GAS	AMOUNT
Corrosive	200
Flammable (except cryogenic fluids)	200
Highly toxic	Any Amount
Inert and simple asphyxiant	6,000
Oxidizing (including oxygen)	504
Toxic	Any Amount

27 For SI: 1 cubic foot = 0.02832 m<sup>3</sup>.

28

29

30 105.6.10 Covered mall buildings. An operational permit is required for:

31 1. The placement of retail fixtures and displays, concession equipment, displays of  
32 highly combustible goods and similar items in the mall.

33 2. The display of liquid- or gas-fired equipment in the mall.

34 3. The use of open-flame or flame-producing equipment in the mall.

1 105.6.11 Cryogenic fluids. An operational permit is required to produce, store, transport  
2 on site, use, handle or dispense cryogenic fluids in excess of the amounts listed in Table  
3 105.6.11.

4 Exception: Permits are not required for vehicles equipped for and using cryogenic  
5 fluids as a fuel for propelling the vehicle or for refrigerating the lading.

6

7

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TABLE 105.6.11  
PERMIT AMOUNTS FOR CRYOGENIC FLUIDS

TYPE OF	INSIDE	OUTSIDE
Flammable	More than 1	60
Inert	60	500
Oxidizing (includes oxygen)	10	50
Physical or health hazard	Any Amount	Any Amount

9

For SI: 1 gallon = 3.785 L.

10

11 105.6.12 Cutting and welding. An operational permit is required to conduct cutting or  
12 welding operations within the City of St. Louis.

13 105.6.13 Dry cleaning plants. An operational permit is required to engage in the business  
14 of dry cleaning or to change to a more hazardous cleaning solvent used in existing dry  
15 cleaning equipment.

16 105.6.14 Exhibits and trade shows. An operational permit is required to operate exhibits  
17 and trade shows.

18 105.6.15 Explosives. An operational permit is required for the manufacture, storage,  
19 handling, sale or use of any quantity of explosive, explosive material, fireworks, or  
20 pyrotechnic special effects within the scope of Chapter 33.

21 105.6.15.1 Limits: The limits in which the storage of explosives, ammunition and  
22 blasting agents is prohibited, are hereby established as the entire city.

23 105.6.16 Fire hydrants and valves. An operational permit is required to use or operate fire  
24 hydrants or valves intended for fire suppression purposes which are installed on water  
25 systems and accessible to a fire apparatus access road that is open to or generally used by  
26 the public.

27 Exception: A permit is not required for authorized employees of the water company  
28 that supplies the system or the fire department to use or operate fire hydrants or  
29 valves.

30 105.6.17 Flammable and Combustible liquids. An operational permit is required:

- 1 1. To use or operate a pipeline for the transportation within facilities of flammable or  
2 combustible liquids. This requirement shall not apply to the off-site transportation in  
3 pipelines regulated by the Department of Transportation (DOTn) nor does it apply to  
4 piping systems.
  - 5 2. To store, handle or use Class I liquids in excess of 5 gallons (19 L) in a building or in  
6 excess of 10 gallons (37.9 L) outside of a building, except that a permit is not  
7 required for the following:
    - 8 2.1. The storage or use of Class I liquids in the fuel tank of a motor vehicle,  
9 aircraft, motorboat, mobile power plant or mobile heating plant, unless such  
10 storage, in the opinion of the code official, would cause an unsafe condition.
    - 11 2.2. The storage or use of paints, oils, varnishes or similar flammable mixtures  
12 when such liquids are stored for maintenance, painting or similar purposes for  
13 a period of not more than 30 days.
  - 14 3. To store, handle or use Class II or Class IIIA liquids in excess of 25 gallons (95 L) in  
15 a building or in excess of 60 gallons (227 L) outside a building, except for fuel oil  
16 used in connection with oil-burning equipment.
  - 17 4. To remove Class I or Class II liquids from an underground storage tank used for  
18 fueling motor vehicles by any means other than the approved, stationary onsite  
19 pumps normally used for dispensing purposes.
  - 20 5. To operate tank vehicles, equipment, tanks, plants, terminals, wells, fuel-dispensing  
21 stations, refineries, distilleries and similar facilities where flammable and  
22 combustible liquids are produced, processed, transported, stored, dispensed or used.
  - 23 6. To place temporarily out of service (for more than 90 days) an underground,  
24 protected above-ground or above-ground flammable or combustible liquid tank.
  - 25 7. To change the type of contents stored in a flammable or combustible liquid tank to a  
26 material which poses a greater hazard than that for which the tank was designed and  
27 constructed.
  - 28 8. To manufacture, process, blend or refine flammable or combustible liquids.
  - 29 9. To engage in the dispensing of liquid fuels into the fuel tanks of motor vehicles at  
30 commercial, industrial, governmental or manufacturing establishments.
  - 31 10. To utilize a site for the dispensing of liquid fuels from tank vehicles into the fuel  
32 tanks of motor vehicles at commercial, industrial, governmental or manufacturing  
33 establishments.
- 34 105.6.18 Floor finishing. An operational permit is required for floor finishing or surfacing  
35 operations exceeding 350 square feet (33 m<sup>2</sup>) using Class I or Class II liquids.
- 36 105.6.19 Fruit and crop ripening. An operational permit is required to operate a fruit-, or  
37 crop-ripening facility or conduct a fruit-ripening process using ethylene gas.
- 38 105.6.20 Fumigation and thermal insecticidal fogging. An operational permit is required  
39 to operate a business of fumigation or thermal insecticidal fogging and to maintain a  
40 room, vault or chamber in which a toxic or flammable fumigant is used.
- 41 105.6.21 Hazardous materials. An operational permit is required to store, transport on  
42 site, dispense, use or handle hazardous materials in excess of the amounts listed in Table  
43 105.6.21.

**April 28, 2006**

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**Board Bill #43**

**Sponsor: Alderman Kennedy**

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TABLE 105.6.21  
PERMIT AMOUNTS FOR HAZARDOUS MATERIALS

TYPE OF MATERIAL	AMOUNT
Combustible liquids	See Section 105.6.17
Corrosive materials	
Gases	See Section 105.6.9
Liquids	55 gallons
Explosive materials	See Section 105.6.15
Flammable materials	
Gases	See Section 105.6.9
Liquids	See Section 105.6.17
Highly toxic materials	
Gases	See Section 105.6.9
Liquids	Any Amount
Oxidizing materials	
Gases	See Section 105.6.9
Liquids	
Class 4	Any Amount
Class 3	1 gallon
Class 2	10 gallons
Class 1	55 gallons
Solids	
Class 4	Any Amount
Class 2	10 pounds
Organic peroxides	
Liquids	
Class I	Any Amount
Class II	Any Amount
Class III	1 gallon
Class IV	2 gallons
Class V	No Permit Required
Solids	
Class I	Any Amount
Class II	Any Amount
Class III	10 pounds
Pyrophoric materials	
Gases	See Section 105.6.9
Liquids	Any Amount
Toxic materials	
Gases	See Section 105.6.9
Liquids	10 gallons
	100 pounds

1  
2

TABLE 105.6.21--continued  
PERMIT AMOUNTS FOR HAZARDOUS MATERIALS

TYPE OF MATERIAL	AMOUNT
Unstable (reactive) materials	
Liquids	
Class 4	Any Amount
Class 3	Any Amount
Class 2	5 gallons
Class 1	10 gallons
Solids	
Class 4	Any Amount
Class 3	50 pounds
Water-reactive Materials	
Liquids	
Class 3	Any Amount
Class 2	5 gallons
Class 1	55 gallons
Solids	
Class 3	Any Amount
	50 pounds

3 For SI: 1 gallon = 3.785 L, 1 pound = 0.454 kg.

Water-reactive Materials	
Liquids	
Class 3	Any Amount
Class 2	5 gallons
Class 1	55 gallons
Solids	
Class 3	Any Amount
	50 pounds

4 For SI: 1 gallon = 3.785 L, 1 pound = 0.454 kg.

5 105.6.22 HPM facilities. An operational permit is required to store, handle or use  
6 hazardous production materials.

7 105.6.23 High-piled storage. An operational permit is required to use a building or portion  
8 thereof as a high-piled storage area exceeding 500 square feet (46 m<sup>2</sup>).

9 105.6.24 Hot work operations. An operational permit is required for hot work including,  
10 but not limited to:

11 1. Public exhibitions and demonstrations where hot work is conducted.

12 2. Use of portable hot work equipment inside a structure.

13 Exception: Work that is conducted under a construction permit.

14 3. Fixed-site hot work equipment such as welding booths.

15 4. Hot work conducted within a hazardous fire area.

16 5. Application of roof coverings with the use of an open flame device.

1           6. When approved, the code official shall issue a permit to carry out a Hot Work  
2           Program. This program allows approved personnel to regulate their facility's hot  
3           work operations. The approved personnel shall be trained in the fire safety aspects  
4           denoted in this chapter and shall be responsible for issuing permits requiring  
5           compliance with the requirements found in this chapter. These permits shall be  
6           issued only to their employees or hot work operations under their supervision.

7           105.6.25 Industrial ovens. An operational permit is required for operation of industrial  
8           ovens regulated by Chapter 21.

9           105.6.26 Lumber yards and woodworking plants. An operational permit is required for  
10          the storage or processing of lumber exceeding 100,000 board feet (8,333 ft<sup>3</sup>) (236 m<sup>3</sup>).

11          105.6.27 Liquid- or gas-fueled vehicles or equipment in assembly buildings. An  
12          operational permit is required to display, operate or demonstrate liquid- or gas-fueled  
13          vehicles or equipment in assembly buildings.

14          105.6.28 LP-gas. An operational permit is required for:

15           1. Storage and use of LP-gas.

16                 Exception: A permit is not required for individual containers with a 500-gallon  
17                 (1893 L) water capacity or less serving occupancies in Group R-3.

18           2. Operation of cargo tankers that transport LP-gas.

19          105.6.29 Magnesium. An operational permit is required to melt, cast, heat treat or grind  
20          more than 10 pounds (4.54 kg) of magnesium.

21          105.6.30 Miscellaneous combustible storage. An operational permit is required to store in  
22          any building or upon any premises in excess of 2,500 cubic feet (71 m<sup>3</sup>) gross volume of  
23          combustible empty packing cases, boxes, barrels or similar containers, rubber tires, rubber,  
24          cork or similar combustible material.

25          105.6.31 Open burning. An operational permit is required for the kindling or maintaining  
26          of an open fire or a fire on any public street, alley, road, or other public or private ground.  
27          Instructions and stipulations of the permit shall be adhered to.

28           Exception: Recreational fires.

29          105.6.32 Open flames and torches. An operational permit is required to remove paint with a  
30          torch; or to use a torch or open flame device in a hazardous fire area.

31          105.6.33 Open flames and candles. An operational permit is required to use open flames  
32          or candles in connection with assembly areas, dining areas of restaurants or drinking  
33          establishments.

34          105.6.34 Organic coatings. An operational permit is required for any organic-coating  
35          manufacturing operation producing more than 1 gallon (4 L) of an organic coating in one  
36          day.

37          105.6.35 Places of assembly. An operational permit is required to operate a place of  
38          assembly.

39          105.6.36 Private fire-hydrants. An operational permit is required for the removal from  
40          service, use or operation of private fire hydrants.

41           Exception: A permit is not required for private industry with trained maintenance  
42           personnel, private fire brigade or fire departments to maintain, test and use private hy-

1 drants.

2 105.6.37 Pyrotechnic special effects material. An operational permit is required for use  
3 and handling of pyrotechnic special effects material.

4 105.6.38 Pyroxylin plastics. An operational permit is required for storage or handling of  
5 more than 25 pounds (11 kg) of cellulose nitrate (pyroxylin) plastics and for the assembly  
6 or manufacture of articles involving pyroxylin plastics.

7 105.6.39 Refrigeration equipment. An operational permit is required to operate a  
8 mechanical refrigeration unit or system regulated by Chapter 6.

9 105.6.40 Repair garages and service stations. An operational permit is required for  
10 operation of repair garages and automotive, marine and

11 105.6.41 Rooftop heliports. An operational permit is required for the operation of a  
12 rooftop heliport. fleet service stations.

13 105.6.42 Spraying or dipping. An operational permit is required to conduct a spraying or  
14 dipping operation utilizing flammable or combustible liquids or the application of com-  
15 bustible powders regulated by Chapter 15.

16 105.6.43 Storage of scrap tires and tire byproducts. An operational permit is required to  
17 establish, conduct or maintain storage of scrap tires and tire byproducts that exceeds 2,500  
18 cubic feet (71 m<sup>3</sup>) of total volume of scrap tires and for indoor storage of tires and tire  
19 byproducts.

20 105.6.44 Temporary membrane structures, tents and canopies. An operational permit is  
21 required to operate an air-supported temporary membrane structure or a tent having an  
22 area in excess of 200 square feet (19 m<sup>2</sup>), or a canopy in excess of 400 square feet (37 m<sup>2</sup>).

23 Exceptions:

- 24 1. Tents used exclusively for recreational camping purposes.  
25 2. Fabric canopies and awnings open on all sides which comply with all of the  
26 following:
- 27 2.1. Individual canopies shall have a maximum size of 700 square feet (65  
28 m<sup>2</sup>).
  - 29 2.2. The aggregate area of multiple canopies placed side by side without a  
30 fire break clearance of 12 feet (3658 mm) shall not exceed 700 square  
31 feet (65 m<sup>2</sup>) total.
  - 32 2.3. A minimum clearance of 12 feet (3658 mm) to structures and other tents  
33 shall be provided.

34 105.6.45 Tire-rebuilding plants. An operational permit is required for the operation and  
35 maintenance of a tire-rebuilding plant.

36 105.6.46 Waste handling. An operational permit is required for the operation of wrecking  
37 yards, junk yards and waste material-handling facilities.

38 105.6.47 Wood products. An operational permit is required to store chips, hogged  
39 material, lumber or plywood in excess of 200 cubic feet (6 m<sup>3</sup>).

40 105.7 Required construction permits. The code official is authorized to issue construction  
41 permits for work as set forth in Sections 105.7.1 through 105.7.12.

42 105.7.1 Automatic fire-extinguishing systems. A construction permit is required for

1 installation of or modification to an automatic fire-extinguishing system. Maintenance  
2 performed in accordance with this code is not considered a modification and does not  
3 require a permit.

4 105.7.2 Compressed gases. When the compressed gases in use or storage exceed the  
5 amounts listed in Table 105.6.9, a construction permit is required to install, repair damage  
6 to, abandon, remove, place temporarily out of service, or close or substantially modify a  
7 compressed gas system.

8 Exceptions:

9 1. Routine maintenance.

10 2. For emergency repair work performed on an emergency basis; application for  
11 permit shall be made within two working days of commencement of work.

12 The permit applicant shall apply for approval to close storage, use or handling facilities at  
13 least 30 days prior to the termination of the storage, use or handling of compressed or  
14 liquefied gases. Such application shall include any change or alteration of the facility  
15 closure plan filed pursuant to Section 2701.5.3. The 30-day period is not applicable when  
16 approved based on special circumstances requiring such waiver.

17 105.7.3 Fire alarm and detection systems and related equipment. A construction permit is  
18 required for installation of or modification to fire alarm and detection systems and related  
19 equipment. Maintenance performed in accordance with this code is not considered a  
20 modification and does not require a permit.

21 105.7.4 Fire pumps and related equipment. A construction permit is required for  
22 installation of or modification to fire pumps and related fuel tanks, jockey pumps,  
23 controllers, and generators. Maintenance performed in accordance with this code is not  
24 considered a modification and does not require a permit.

25 105.7.5 Flammable and combustible liquids. A construction permit is required:

26 1. To repair or modify a pipeline for the transportation of flammable or combustible  
27 liquids.

28 2. To install, construct or alter tank vehicles, equipment, tanks, plants, terminals, wells,  
29 fuel-dispensing stations, refineries, distilleries and similar facilities where  
30 flammable and combustible liquids are produced, processed, transported, stored,  
31 dispensed or used.

32 3. To install, alter, remove, abandon, or otherwise dispose of a flammable or  
33 combustible liquid tank.

34 105.7.6 Hazardous materials. A construction permit is required to install, repair damage  
35 to, abandon, remove, place temporarily out of service, or close or substantially modify a  
36 storage facility or other area regulated by Chapter 27 when the hazardous materials in use  
37 or storage exceed the amounts listed in Table 105.6.21.

38 Exceptions:

39 1. Routine maintenance.

40 2. For emergency repair work performed on an emergency basis, application for  
41 permit shall be made within two working days of commencement of work.

42 105.7.7 Industrial ovens. A construction permit is required for installation of industrial  
43 ovens covered by Chapter 21.

44 Exceptions:

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**Board Bill #43**

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1 107.1 Maintenance of safeguards. Whenever or wherever any device, equipment, system,  
2 condition, arrangement, level of protection, or any other feature is required for compliance  
3 with the provisions of this code, or otherwise installed, such device, equipment, system,  
4 condition, arrangement, level of protection, or other feature shall thereafter be  
5 continuously maintained in accordance with this code and applicable referenced  
6 standards.

7 107.2 Testing and operation. Equipment requiring periodic testing or operation to ensure  
8 maintenance shall be tested or operated as specified in this code.

9 107.2.1 Test and inspection records. Required test and inspection records shall be  
10 available to the code official at all times or such records as the code official designates  
11 shall be filed with the code official.

12 107.2.2 Re-inspection and testing. Where any work or installation does not pass an  
13 initial test or inspection, the necessary corrections shall be made so as to achieve  
14 compliance with this code. The work or installation shall then be resubmitted to the code  
15 official for inspection and testing.

16 107.3 Supervision. Maintenance and testing shall be under the supervision of a responsible  
17 person who shall ensure that such maintenance and testing are conducted at specified  
18 intervals in accordance with this code.

19 107.4 Rendering equipment inoperable. Portable or fixed fire-extinguishing systems or  
20 devices and fire-warning systems shall not be rendered inoperative or inaccessible except  
21 as necessary during emergencies, maintenance, repairs, alterations, drills or prescribed  
22 testing.

23 107.5 Owner/occupant responsibility. Correction and abatement of violations of this code  
24 shall be the responsibility of the owner. If an occupant creates, or allows to be created,  
25 hazardous conditions in violation of this code, the occupant shall be held responsible for  
26 the abatement of such hazardous conditions.

27 107.6 Overcrowding. Overcrowding or admittance of any person beyond the approved  
28 capacity of a building or a portion thereof shall not be allowed. The fire code official,  
29 upon finding any overcrowding conditions or obstructions in the aisles, passageways or  
30 other means of egress, or upon finding any condition which constitutes a life safety  
31 hazard, shall be authorized to cause the event to be stopped until such conditions or  
32 obstruction is corrected.

33 SECTION 108  
34 BOARD OF APPEALS

35 108.1 Board of appeals: The owner of a building or structure or any other person may  
36 appeal from a decision of the code official refusing to grant a modification of the  
37 provisions of the International Fire code. The appeal shall be made to the Board of  
38 Building Appeals as outlined and established under the International Building Code of  
39 the City of St. Louis.

40 108.2 Limitations on authority. An application for appeal shall be based on a claim that  
41 the intent of this code or the rules legally adopted hereunder have been incorrectly  
42 interpreted, the provisions of this code do not fully apply, or an equivalent method of  
43 protection or safety is proposed. The board shall have no authority to waive requirements  
44 of this code.

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**Board Bill #43**

**Sponsor: Alderman Kennedy**

1 SECTION 109  
2 VIOLATIONS

3 109.1 Unlawful acts. It shall be unlawful for a person, firm or corporation to erect,  
4 construct, alter, repair, remove, demolish or utilize a building, occupancy, premises or  
5 system regulated by this code, or cause same to be done, in conflict with or in violation of  
6 any of the provisions of this code.

7 109.2 Notice of violation. When the code official finds a building, premises, vehicle,  
8 storage facility or outdoor area that is in violation of this code, the code official is  
9 authorized to prepare a written notice of violation describing the conditions deemed  
10 unsafe and, when compliance is not immediate, specifying a time for re-inspection.

11 109.2.1 Service. A notice of violation issued pursuant to this code shall be served upon  
12 the owner, operator, occupant, or other person responsible for the condition or violation,  
13 either by personal service, mail, or by delivering the same to, and leaving it with, some  
14 person of responsibility upon the premises. For unattended or abandoned locations, a  
15 copy of such notice of violation shall be posted on the premises in a conspicuous place at or  
16 near the entrance to such premises and the notice of violation shall be mailed by certified  
17 mail with return receipt requested or a certificate of mailing, to the last known address of  
18 the owner, occupant or both.

19 109.2.2 Compliance with orders and notices. A notice of violation issued or served as  
20 provided by this code shall be complied with by the owner, operator, occupant or other  
21 person responsible for the condition or violation to which the notice of violation pertains.

22 109.2.3 Prosecution of violations. If the notice of violation is not complied with promptly,  
23 the code official is authorized to request the legal counsel of the City of St. Louis to insti-  
24 tute the appropriate legal proceedings at law or in equity to restrain, correct or abate such  
25 violation or to require removal or termination of the unlawful occupancy of the structure  
26 in violation of the provisions of this code or of the order or direction made pursuant  
27 thereto.

28 109.2.4 Unauthorized tampering. Signs, tags or seals posted or affixed by the code official  
29 shall not be mutilated, destroyed or tampered with or removed without authorization from  
30 the code official.

31 109.3 Violation penalties. Persons who shall violate a provision of this code or shall fail to  
32 comply with any of the requirements thereof or who shall erect, install, alter, repair or do  
33 work in violation of the approved construction documents or directive of the code official,  
34 or of a permit or certificate used under provisions of this code, shall, upon conviction  
35 thereof, be penalized as set forth in Section Four.

36 109.3.1 Abatement of violation. In addition to the imposition of the penalties herein  
37 described, the code official is authorized to institute appropriate action to prevent  
38 unlawful construction or to restrain, correct or abate a violation; or to prevent illegal  
39 occupancy of a structure or premises; or to stop an illegal act, conduct of business or  
40 occupancy of a structure on or about any premises.

41 SECTION 110  
42 UNSAFE BUILDINGS

43 110.1 General. Whenever the code official shall find in any structure or upon any

1 premises dangerous or hazardous conditions or materials as follows, the code official  
2 shall order such hazardous conditions or materials to be removed or remedied in  
3 accordance with the provisions of this code:

- 4 1. Hazardous conditions liable to cause or contribute to the spread of fire in or on  
5 said premises or structure or endanger the occupants thereof;
- 6 2. Conditions that interfere with the efficiency or operation of any fire  
7 protection equipment and system;
- 8 3. Obstructions to or on fire escapes, stairs, passageways, doors or windows, that  
9 are liable to interfere with the egress of occupants or the operation of the fire  
10 department in case of a fire.
- 11 4. Accumulations of dust or waste material in air-conditioning or ventilating  
12 systems or grease in kitchen or other exhaust ducts;
- 13 5. Accumulations of grease on kitchen cooking equipment, or oil, grease or dirt  
14 upon, under or around any mechanical equipment;
- 15 6. Accumulations of rubbish, waste, paper, boxes, shavings or other combustible  
16 materials, or excessive storage of any combustible material
- 17 7. Hazardous conditions arising from defective or improperly utilized or  
18 installed electrical wiring, equipment or appliances;
- 19 8. Hazardous conditions arising from defective or improperly installed  
20 equipment for handling or using combustible, explosive or otherwise hazardous  
21 materials;
- 22 9. Dangerous or unlawful amounts of combustible, explosive or otherwise  
23 hazardous materials; and
- 24 10. All equipment, materials, processes or operations that are in violation of the  
25 provisions and intent of this code.

26 110.1.1 Unsafe conditions. Structures or existing equipment that are or hereafter become  
27 unsafe or deficient because of inadequate means of egress or which constitute a fire  
28 hazard, or are otherwise dangerous to human life or the public welfare, or which involve  
29 illegal or improper occupancy or inadequate maintenance, shall be deemed an unsafe  
30 condition. A vacant structure which is not secured against unauthorized entry as required  
31 by Section 311 shall be deemed unsafe. Unsafe structures or equipment shall be reported  
32 to the building code official, who shall take appropriate action as deemed necessary under  
33 the provisions of the building code.

34 110.1.2 Structural hazards. When an apparent structural hazard is caused by the faulty  
35 installation, operation or malfunction of any of the items or devices governed by this code,  
36 the code official shall immediately notify the building code official in accordance with  
37 Section 110.1.

38 110.1.3 Tagging of hazardous equipment: Whenever the code official or duly  
39 authorized representative deems anything regulated under a nationally approved standard  
40 in or upon any building , structure or premise whether or not specifically mentioned in  
41 this code, to be defective or unsafe so as to create an immediate hazard, the code official  
42 shall serve upon the owner or the person having control of the property, a written notice  
43 to repair or alter as necessary and shall notify any other authority enforcing codes

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1 regulating such equipment. The code official shall affix a condemnation tag prohibiting  
2 the use thereof until such repairs or alterations are made, When affixed, such tag may be  
3 removed only on the order of the code official or duly authorized representative and may  
4 be removed only when the hazard to which the order pertains has been eliminated in an  
5 approved manner, Until removed, that item or device which has caused the hazard shall  
6 not be used or be permitted to be used.

7 110.2 Evacuation. The code official or the fire department official in charge of an  
8 incident shall be authorized to order the immediate evacuation of any occupied building  
9 deemed unsafe when such building has hazardous conditions that present imminent  
10 danger to building occupants. Persons so notified shall immediately leave the structure or  
11 premises and shall not enter or re-enter until authorized to do so by the code official or the  
12 fire department official in charge of the incident.

13 110.3 Summary abatement. Where conditions exist that are deemed hazardous to life and  
14 property, the code official or fire department official in charge of the incident is  
15 authorized to abate summarily such hazardous conditions that are in violation of this  
16 code.

17 110.4 Abatement. The owner, operator, or occupant of a building or premises deemed  
18 unsafe by the code official shall abate or cause to be abated or corrected such unsafe  
19 conditions either by repair, rehabilitation, demolition, or other approved corrective action.

#### 20 SECTION 111

#### 21 STOP WORK ORDER

22 111.1 Order. Whenever the code official finds any work regulated by this code being  
23 performed in a manner contrary to the provisions of this code or in a dangerous or unsafe  
24 manner, the code official is authorized to issue a stop work order.

25 111.2 Issuance. A stop work order shall be in writing and shall be given to the owner of the  
26 property, or to the owner's agent, or to the person doing the work. Upon issuance of a stop  
27 work order, the cited work shall immediately cease. The stop work order shall state the  
28 reason for the order, and the conditions under which the cited work is authorized to  
29 resume.

30 111.3 Emergencies. Where an emergency exists, the code official shall not be required to  
31 give a written notice prior to stopping the work.

32 111.4 Failure to comply. Any person who shall continue any work after having been  
33 served with a stop work order, except such work as that person is directed to perform to  
34 remove a violation or unsafe condition, shall be liable to a fine of not less than  
35 [AMOUNT] dollars or more than [AMOUNT] dollars.\

#### 37 SECTION 112.0 CERTIFICATION PROGRAMS

38  
39  
40 112.1 General:

41 The code official shall have the authority to administer rules, evaluate qualifications of  
42 firms or individuals, conduct examinations, issue certificates of registration, issue

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1 certificates of fitness or competency evaluate qualifications of testing labs and conduct  
2 hearings in order to certify fireworks displays, servicing of portable fire extinguishers and  
3 fixed extinguishing systems, sprinkler and standpipe maintenance and flammable liquid  
4 storage tank installations as listed in Sections F-905, F906, F-3309 and F-3409. In  
5 addition, the code official has the authority to enforce provisions of the Mechanical Code  
6 as assigned in the Mechanical Code.

7 Add Sections F-405.21 to read as follows:

#### 8 SECTION F-405.21.0 BUSINESS

9 F-405.21.1 General: All business buildings (Use Group B) shall conduct fire drills every  
10 ninety days. These fire drills shall be conducted according to the evacuation plan  
11 established by the building owner or manager in conjunction with the code official. All  
12 tenants are required to participate in such drills. The extent of the building evacuation  
13 shall be determined by the code official.

14  
15 Add Section F-408.12 to read as follows:

#### 16 SECTION F-408 USE AND OCCUPANCY-RELATED REQUIREMENTS

17  
18 F-408.12.1 Special amusement buildings: Haunted houses and other places of public  
19 assembly of similar use shall not operate without having first obtained a Certificate of  
20 Operation from the Fire Marshal. No Certificate of Operation shall be issued until the  
21 employees of the Special Amusement Building have shown competency in the use of  
22 portable fire extinguishers. All employees are expected to maintain this level of  
23 competency.

24  
25 F-408.12.2 All use groups that have an Automated External Defibrillators (AEDs) within  
26 the City of St. Louis, shall register the following information with the fire code official:  
27 type, number and location of AED(s) in facility, Proof of Medical Direction with protocol  
28 upon request and number of employees trained within thirty days of receipt.

29  
30 Add Sections F-904.11.6.6 and F-904.11.6.7 to read as follows:

#### 31 SECTION 904

32  
33 F-904.11.6.6 Permit Required: A permit shall be obtained from the code official prior to  
34 the installation or alteration of any commercial kitchen exhaust system or hood  
35 suppression system.

36 F-904.11.6.7 System discharge: When a commercial kitchen exhaust suppression system  
37 discharges, the commercial cooking appliances shall not be operated until the suppression  
38 system has been recharged and placed back in service. When the system is recharged, it  
39 shall be tested and inspected in accordance with the appropriate section of Chapter 9.

40  
41  
42 Add Section F-905.12 thru F-905.12.10

#### 43 SECTION F-905.12 SPRINKLER AND STANDPIPE MAINTENANCE

44 F-905.12.1 Scope: The purpose of this section is to establish a sprinkler and standpipe  
45 system maintenance control in the interest of safeguarding lives and property.  
46

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1 F-905.12.2 Application: The provisions of this section shall apply to existing sprinkler  
2 and standpipe systems installed in buildings prior to the enactment of this code and to all  
3 new sprinkler systems hereafter installed.

4 F-905.12.3 Sprinkler and standpipe maintenance and inspection: All sprinkler and  
5 standpipe systems shall be inspected a minimum of three times a calendar year by a  
6 competent person employed by the owner or occupant and holding a certificate of fitness  
7 issued by the code official. Additionally, the system must be inspected at least once a  
8 calendar year by a duly qualified fire suppression system installation contractor. Records  
9 of such inspection shall be recorded at the premises and made available to the code  
10 official or the code official's representative upon request. Annually, the records of these  
11 inspections and tests shall be forwarded to the office of the code official for review.

12 F-905.12.4 Responsibility: It shall be the owner or occupant's responsibility to assign the  
13 duties of sprinkler and standpipe maintenance to an employee of good character and  
14 competent skills, and to submit the individual's name to the code official for certification.

15 F-905.12.5 Certification: Every individual assigned as a sprinkler and standpipe  
16 maintenance person must be certified by the code official to engage in such activities.

17 F-905.12.6 Examination: Before an individual can receive a Certificate of Fitness, they  
18 must successfully pass a written examination administered by the code official or  
19 designated representative. The examination shall reveal the individual's knowledge of  
20 the function of sprinkler and standpipe systems, and their ability to recognize faults and  
21 remedies thereof.

22 F-905.12.7 Renewal of certification: A certificate of fitness shall be valid for a period of  
23 one year and shall be renewed on the anniversary of its issuance.

24 F-905.12.8 Non-transferable: Certificates of fitness are non-transferable and termination  
25 of employment at the premise for which the certificate is issued automatically voids the  
26 individual's certification.

27 F-905.12.9 Sprinkler and standpipe systems, maintenance and inspection: In lieu of  
28 Sections F-905.12.3 and F-905.12.4, the owner or occupant may enter into a Maintenance  
29 Service Contract with a duly qualified fire suppression system installation contractor.  
30 Service contracts so entered into shall cause the system to be inspected a minimum of  
31 four times a calendar year. The responsibility of conducting periodic tests of these  
32 systems required under the 2003 International Building Code and International Fire  
33 Prevention Codes, shall rest with said contractor. Records of such inspections and tests  
34 shall be recorded on inspection forms approved by the code official and supplied by the  
35 contractor. A copy of each inspection or test shall be left at the premises with the owner  
36 or occupant who shall make such records available to the code official or the code  
37 official's representative upon request. Annually, an inspection of each system and  
38 records of required tests performed by the contractor shall be forwarded to the code  
39 official for review, by the contractor holding such service contract. The code official or  
40 representative shall not be required to witness said inspections or tests.

41 F-905.12.10 Fees: The owner or occupant is required to pay fees to the code official in  
42 the amounts set forth in Table F-105.6 for certification of fitness. Fees must be paid prior  
43 to certification.

44  
45 Add Section 905.13 thru F-905.13.7

46

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1 SECTION F-905.13.0 FIRE PROTECTION EQUIPMENT

2 F-905.13.1 Scope: Fire extinguishing, fire detection, first-aid fire fighting systems and  
3 devices required by the 2003 International Building Code shall be maintained in  
4 accordance with the provisions of this section.

5 F-905.13.2 Existing occupancies: Upon a adoption of this code, the code official shall  
6 make, or cause to be made, a survey of each existing business and industrial  
7 establishment, mercantile, educational and institutional occupancy, place of assembly,  
8 hotel, multi-family dwelling, and trailer camp to determine such fire detecting devices or  
9 extinguishing appliances which are necessary in or near boiler rooms; kitchens or  
10 restaurants, clubs or like establishments; storage rooms involving considerable  
11 combustible material; rooms in which hazardous manufacturing processes are involved;  
12 repair garages; and other places of a generally hazardous nature to provide for the safety  
13 of the public according to existing conditions and in accordance with the requirements of  
14 the 2003 International Building Code. Such devices or appliances may consist of  
15 automatic fire alarm systems, automatic sprinkler or water spray systems, standpipe and  
16 hose, fixed or portable fire extinguishers of a type suitable for the probable class of fire or  
17 suitable asbestos blankets, manual or automatic covers, or carbon dioxide or other special  
18 fire extinguishing systems. In special hazardous processes or storage, appliances of more  
19 than one type or special systems may be required.

20 F-905.13.3 Maintenance of equipment: Sprinkler systems, standpipe systems, fire alarm  
21 systems, and other fire protective or extinguishing systems or appliances which have  
22 been installed in compliance with any permit or order, or because of any law or  
23 ordinance, shall be maintained in operative condition at all times, and it shall be unlawful  
24 for any owner or occupant to reduce the effectiveness of the protection so required;  
25 except that this shall not prohibit the owner or occupant from temporarily reducing or  
26 discontinuing the protection where necessary to make tests, repairs, alterations or  
27 additions. The code official shall be notified before such tests, repairs, alterations or  
28 additions are started upon its completion, and shall be advised of the extent of such work  
29 for additional requirements. See Section F-905.12.0 and Section F-905.13.4.2.

30 F-905.13.4 Suppression, detection and alarm nuisance: It shall be the owner or  
31 occupant's responsibility to maintain, suppression, detection and alarm systems in such  
32 operating condition so as not to cause unnecessary alarms being transmitted to the Fire  
33 Department. Remedies to correct this situation shall be accomplished as expediently as  
34 possible. Those alarms deemed unnecessary shall be assessed a service charge of one-  
35 hundred dollars for each response.

36 F-905.13.4.1 Notification of sprinkler or fire alarm shut-off: Whenever a sprinkler or fire  
37 alarm system is to be shut-off for repairs, it shall be the owner or occupant's  
38 responsibility to determine that the service person performing such repairs has notified  
39 the Fire Department of the pending shut-off prior to shutting the system off. When  
40 a sprinkler system has central station supervision, the company providing this service  
41 shall also be notified of the shut-off. Failure to notify the Fire Department or the Central  
42 Station supervising company of sprinkler or fire alarm shut-off resulting in an  
43 unnecessary alarm being transmitted to the Fire Department will subject the owner or  
44 occupant to a service charge of one-hundred dollars for each alarm received.

45 F-905.13.4.2 Maintaining sprinkler systems in abandoned or unoccupied buildings: It  
46 shall be the owner's responsibility to insure that all automatic sprinkler systems in any

1 building being temporarily vacated or permanently abandoned be maintained in an  
2 operable condition at all times. And it shall be unlawful to shut down or in any manner  
3 reduce or impair the effectiveness of any sprinkler system, unless prior to approval is  
4 granted by the code official or until at such time as the building is in process of  
5 being demolished. Any conditions as set forth by the code official governing the shut  
6 down of sprinkler systems shall be strictly adhered to. It shall be the owner's  
7 responsibility to notify the code official forty-eight hours prior to vacating any building  
8 protected by an automatic sprinkler system. Any person, firm, agency or corporation  
9 violating any provision of this section or failing to comply with any written order issued  
10 by the code official pertinent to maintaining sprinkler protection in abandoned or  
11 temporarily vacated buildings shall, upon conviction thereof, be penalized as set forth in  
12 Section Four.

13 F-905.13.5 Existing fire pump installations: Upon adoption of this code, the code official  
14 shall make or cause to be made a survey of all occupancies utilizing fire pumps. The  
15 code official shall require the owner or occupant to have said fire pump or pumps tested  
16 to determine their conformity to the applicable standards of NFPA 20.

17 F905.13.5.1 Tests: Tests on fire pumps shall be held within sixty days of notification  
18 from the code official that such test is required. Upon completion of tests, a written  
19 report shall be filed within five days with the code official for evaluation.

20 F-905.13.5.2 Notification: The owner or occupant shall notify the code official within  
21 forty-eight hours prior to the beginning of a pump test, so that the code official or  
22 representative can witness said test.

23  
24 F-905.13.5.3 Fees: The owner or occupant shall pay to the code official a fee for the  
25 witnessing of a fire pump test. Fees shall be paid according to the fees established in  
26 Table F-105.6

27 F-905.13.6 Periodic flow test: Fire pumps shall be subjected to a water flow test every  
28 two years on or about the anniversary date of their last previous test. Procedures for  
29 testing shall conform to Sections F-905.13.5.1 and F-905.13.5.2.

30 F-905.13.7 Requirements for pump testing agency: The testing of fire pumps shall only  
31 be accomplished by companies and individuals duly qualified to engage in such work.

32  
33 Add Section F-905.14.1 thru F-90-5.14.2

#### 34 SECTION F-905.14.0 ACCEPTANCE INSPECTIONS

35 F-905.14.1 Scope: All sprinkler, standpipe, fire detection, fire alarm and foam system  
36 installations where required by the provisions of the 2003 International Building Code  
37 shall receive, upon completion, an acceptance inspection by the code official or  
38 designated representative.

39 F-905.14.1.1 Sprinkler systems: The acceptance inspection of a sprinkler system shall  
40 determine that the system has been installed according to plans having received prior  
41 approval of the code official and in conformity with the 2003 International Building  
42 Code.

43 F-905.14.1.2 Standpipe systems: The acceptance inspection of a standpipe system shall  
44 determine that the system has been installed according to plans having received prior  
45 approval of the code official and in conformity to NFPA 14 and the 2003 International  
46 Building Code.

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1 F-905.14.1.3 Fire detection systems: All fire detection systems and fire alarm systems  
2 shall be subject to an acceptance inspection and test upon their completion. The test shall  
3 be witnessed by the code official or designated representative.

4 F-905.14.1.4 Foam installations: All fire fighting foam installations where required to be  
5 installed by the 2003 International Building Code, NFPA 30 and all other applicable  
6 NFPA standards, shall be subject to a final acceptance inspection and test upon  
7 completion of the installation.

8 F-905.14.2 Fees: A fee shall be assessed by the code official for all acceptance and  
9 annual inspections and shall be paid according to the fees established in Table F-106.6.

10  
11 Add Section F-905.15 thru F-905.15.4

#### 12 SECTION F-905.15.0 DUCT EXTINGUISHING SYSTEM

13 F-905.15.1 General: All automatic fire extinguishing equipment for the protection of  
14 kitchen ranges and ducts shall be installed where required by the 2003 International  
15 Building Code and Section F-904.0 of the 2003 International Fire Prevention Code.

16 F-905.15.2 Acceptance inspection: The installation of automatic fire extinguishing  
17 equipment for kitchen ranges and ducts shall be subject to an acceptance inspection by  
18 the code official.

19 F-905.15.3 Fees: A fee shall be assessed by the code official for all acceptance and  
20 annual inspections and shall be paid according to the fees established in Table F-105.6.

21 F-905.15.4 Portable fire extinguishers: All cooking operations and all food preparation  
22 centers within any occupancy, except individual dwelling units, shall provide a sufficient  
23 number of portable fire extinguishers to afford adequate fire safety as determined by the  
24 code official, but not less than one unit. All extinguishers shall carry a minimum of ten  
25 B.C. rating and capacity and be compatible with the fire suppression systems  
26 extinguishing agent.

27  
28 Add Section F-905.16.1

#### 29 SECTION F-905.16.0 FALSE ALARMS

30 F-905.16.1 General: No person shall give or make a false alarm of any emergency  
31 situation.

32  
33 Add Sections F-906.11 thru F-906.11.7.1 to read as follows:

#### 34 35 SECTION F-906.11 SALE, LEASING, AND SERVICING OF PORTABLE 36 FIRE EXTINGUISHERS AND FIXED EXTINGUISHING SYSTEMS.

37 F-906.11.1 General: The purpose of this section is to regulate the sale, leasing, and  
38 servicing of portable fire extinguishers and fixed extinguishing systems in the interest of  
39 safeguarding lives and property.

40 Exception: The activity of filling or charging a portable fire extinguisher prior to its  
41 initial sale by its manufacturer shall not be subject to this section. In addition, the  
42 licensing and registration provisions of this section shall not apply to any firm which  
43 services only its own fire extinguishers for its own use by maintaining its own fire  
44 extinguisher service facilities adequate for the purpose and utilizing its own personnel  
45 specially trained for such servicing.

46 F-906.11.2 Certificate of registration for firms installing or servicing portable fire

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1 extinguishers or fixed extinguishing systems: Each firm engaged in the business of  
2 servicing portable fire extinguishers or fixed extinguishing systems shall be required to  
3 have a Certificate of Registration issued by the code official.

4 F-906.11.3 Approval of portable fire extinguishers: No portable fire extinguisher shall be  
5 sold or leased in the City of Saint Louis unless it is approved, labeled or listed by a  
6 testing laboratory which is approved by the code official as qualified to test portable fire  
7 extinguisher.

8 F-906.11.4 Fees: All fees prescribed herein shall be charged at the rate prescribed in  
9 Table F-107.2.6.

10 F-906.11.5 Penalties: Whoever shall do any o the acts as set forth in F-906.11.5.1 and F-  
11 906.11.5.2 shall be held in violation of this code, and shall, upon conviction thereof, be  
12 penalized as set forth in Section Four.

13 F-906.11.5.1 Misrepresentation: Having obtained or attempted to obtain a Certificate of  
14 Registration by fraudulent misrepresentation.

15 F-906.11.5.2 Violation of regulations: Installed or repaired portable fire extinguishers or  
16 fixed extinguishing systems contrary to the provisions of this section or the rules and  
17 regulations formulated and administered under the authority of this section.

18 F-906.11.6 Application for certificate of registration: Any firm that desires to engage in  
19 the business of installing or servicing portable fire extinguishers or fixed extinguishing  
20 systems shall make a written verified application to the code official on forms provided  
21 for a Certificate of Registration. The application must be signed by the sole proprietor, or  
22 each partner, or by an officer of the corporation.

23 F-906.11.6.1 Liability: As the time of application for a Certificate of Registration to  
24 service portable fire extinguishers or fixed extinguishing systems, the applicant must  
25 furnish a certificate of insurance in an amount as determined by the code official.

26 F-906.11.6.2 Issue: If the code official finds after reviewing the applicant's record that  
27 the granting or renewing of a Certificate of Registration would not be contrary to public  
28 safety and welfare, the code official shall issue or renew such Certificate of Registration  
29 authorizing the firm to engage in the business of installing and servicing portable fire  
30 extinguishers and fixed extinguishing systems, provided the requisite fee has been  
31 paid. The code official shall give each Certificate of Registration an identifying number.

32 F-906.11.6.3 Renewal of certificate: Application for renewal of a Certificate of  
33 Registration shall be made annually in accordance with detailed procedures to be  
34 followed.

35 F-906.11.6.4 Revocation: After a hearing is conducted as hereinafter provided, the code  
36 official may either refuse to issue or renew, or may suspend or revoke any Certificate of  
37 Registration for any of the following causes:

- 38 1. Violation – Any violation as listed in Section F-520.5.
- 39 2. Misrepresentation – Having obtained or having attempted to obtain a  
40 Certificate of Registration by fraudulent misrepresentation.
- 41 3. Incompetence – Malpractice or incompetence in fire extinguisher sales  
42 or servicing.
- 43 4. False Advertising – Advertising fire extinguisher sale or servicing by  
44 means of knowingly false or deceptive statements.
- 45 5. Fee Not Paid – Failure to pay the original or annual renewal Certificate  
46 of Registration fee provided in these regulations.

1 6. Violation of Rules – Violation of any provision of this section as  
2 formulated and administered by the code official or violation of any  
3 provision of these regulations.

4 F-906.11.6.5 Record: The code official shall keep a list of the names, addresses, and  
5 Certificate of Registration numbers issued to each firm under these regulations.

6  
7 F-906.11.6.6 Public review: The record of all numbers of Certificates of Registration  
8 shall be available for review by any person desiring to review same.

9 F-906.11.7 Tagging of serviced portable fire extinguishers or fixed extinguishing systems  
10 required: When an employed under the supervision of a license services a portable fire  
11 extinguisher or fixed extinguishing system, a tag shall be affixed that at least states:

- 12 1. The month and year the service was performed.
- 13 2. The type of extinguisher or system serviced.
- 14 3. The name and license number of the license and the name and permit  
15 number of apprentice, if any.
- 16 4. The name and Certificate of Registration number of the servicing firm.

17 F-906.11.7.1 Information: When a person exempt from the licensing provision of this  
18 section services a portable fire extinguisher, a tag shall be affixed that at least states:

- 19  
20 1. The month and year when the service was performed.
- 21 2. The type of extinguisher serviced.
- 22 3. The name and address of the person performing the service and the  
23 name and address of their employer.
- 24 4. The address of the premises within which the portable fire extinguisher  
25 is customarily located.

26 Add sections F-907.20.6 thru F-907.20.8 to read as follows:

27 F-907.20.6 Periodic Inspection: All fire detection and fire alarm systems required to be  
28 installed by this code shall be subject to an inspection and test at least once annually.

29 Inspections and tests shall be witnessed by the code official or designated representative.  
30 Where the owner of such systems, or occupant of the building containing such systems,  
31 has entered into a maintenance service contract with a duly qualified fire detection  
32 system installation contractor, any and all results of all tests and inspections, in report  
33 form, shall be forwarded to the code official immediately upon completion of the tests  
34 and inspections.

35 F-907.20.7 Central station supervision: All companies engaged in the business of  
36 offering sprinkler and fire detection system supervisory service shall, upon completion of  
37 inspection and test of sprinkler systems and fire detection systems under their contracts,  
38 forward to the code official a written report of the results of such test and serviceability of  
39 such sprinkler systems and fire detection systems. Their reports shall contain but not be  
40 limited to the following information:

- 41 1. Name of company under contract
- 42 2. Address of company
- 43 3. Date of last inspection
- 44 4. Type of system
- 45 5. General service condition of system
- 46 6. In case of sprinkler system, the number of supervised systems

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1 F-907.20.8 Fees: A fee shall be assessed by the code official to witness the acceptance  
2 test for sprinkler, standpipe, fire fighting foam and other special systems. Fees shall be  
3 paid in accordance with the fee schedule established in Table F-105.6.

4  
5 Add Section F-2504.7 thru F-2504.7.5

6 SECTION F-2504.7 FIRE SAFETY REQUIREMENTS

7 F-2504.7.1 General: The layout, arrangement and construction of buildings and  
8 structures used for tire rebuilding or recapping shall comply with the applicable  
9 requirements of the building code for the appropriate occupancy use group classification,  
10 and shall be provided with fire protection and fire extinguishment as required by that  
11 code. Buildings and structures and their service equipment shall be maintained in safe  
12 and sound condition as required by this code.

13 F-2504.7.2 Opening protective: Fire doors or other opening protective to exit way or  
14 elevator enclosures or similar shaft enclosures required by the building code shall be kept  
15 closed except when the opening is in actual use.

16 F-2504.7.3 Mixed occupancies: When tire rebuilding plants are required to be separated  
17 from other occupancies in the building by the building code, such separation shall be  
18 maintained in good condition and shall not be pierced or broken in any manner. When a  
19 sprinkler system is required by the building code in a tire rebuilding plant, it shall be  
20 maintained in proper and continuous working order.

21 F-2504.7.4 Dust collecting system: Buffing machines shall be located in a room  
22 separated from the remainder of the plant as required by the building code, and fire doors  
23 in such separations shall be maintained free of all obstructions at all times. Each machine  
24 shall be connected to an ample dust collecting system conforming to NFPA 91, listed in  
25 Chapter 45.

26 F-2504.7.5 Ventilation: Each room, where rubber cement is used or mixed, or flammable  
27 or combustible solvents are applied, shall be equipped with effective mechanical or  
28 natural ventilation.

29  
30 Add Section F-3304.11 to read as follows:

31 SECTION F-3304 EXPLOSIVE MATERIAL STORAGE AND HANDLING

32 F-3304.11 Limits: The limits in which the storage of explosives, ammunition and  
33 blasting agents is prohibited, are hereby established as the entire city.

34  
35  
36 Add Section F-3308.12 to read as follows:

37 SECTION F- 3308 FIREWORKS DISPLAY

38 F-3308.12 Certification of registration: Each firm engaged in the business of offering for  
39 sale supervised fireworks display for private or public amusement, shall be required to  
40 have a Certificate of Registration issued by the code official.

41  
42  
43 Add section F-3309.0 to read as follows:

44 SECTION F-3309.0 CERTIFICATE OF COMPETENCY

45 F-3309.1 General: Each individual who engages in the activity of discharging fireworks  
46 for public or private amusement shall be required to have a Certificate of Competency

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1 issued by the code official.

2 F-3309.2 Qualifications: An individual applying for a Certificate of Competency must be  
3 twenty-one years of age, be capable of reading, writing, speaking and understanding the  
4 English language and possessing at least two years experience in the supervision of  
5 discharging fireworks displays. Proof of the experience will be required at the time of  
6 application.

7 F-3309.3 Examination: The applicant for a Certificate of Competency must satisfactorily  
8 pass a written or oral examination administered by the code official or designated  
9 representative.

10 F-3309.4 Non-transferable: The Certificate of Competency shall be issued to the name of  
11 the applicant and is non-transferable.

12 F-3309.5 Insurance: The applicant shall furnish evidence of public liability and property  
13 damage insurance in amounts deemed adequate by the code official.

14 F-3309.6 Fees: The fees for Certificate of Registration and for the Certificate of  
15 Competency shall be paid at the time of application in accordance with the fee schedule  
16 as set forth in Table F-105.6.

17  
18 Add sections F-3407 thru F-3409 to read as follows:

19  
20 **SECTION F-3407.0 FLAMMABLE LIQUID STORAGE TANK INSTALLATION**

21 F-3407.1 Scope: The installation, abandonment, repair, or removal of any underground or  
22 above ground tank used for the storage of flammable liquids shall comply with the  
23 provisions of this code.

24 F-3407.2 Permit required: A permit shall be obtained from the code official to install,  
25 abandon or remove any above or below ground tank used for the storage of flammable  
26 liquids without regard to class of liquids.

27 F-3407.3 Compliance with building code: The layout and field erection of flammable  
28 liquid tanks shall comply with the applicable requirements of the 2003 International  
29 Building Code.

30 F-3407.4 Installation: The installation of stationary or temporary tanks for the storage of  
31 flammable liquids on any site or location shall be installed within the requirements of the  
32 applicable standards of NFPA 30.

33 F-3407.5 Fire protection and control: The required fire protection shall be as specified in  
34 the 2003 International Building Code.

35 F-3407.6 Gasoline storage: All gasoline storage tanks shall be installed below ground and  
36 be vented as required by the 2003 International Building Code. Gasoline may be stored  
37 above ground in approved safety containers of not more than five-hundred gallons each  
38 subject to the approval of the code official.

39 F-3407.7 Final Inspection: All flammable liquid storage tanks shall be subject to a final  
40 inspection by the code official or representative before filling tanks; in case of  
41 underground tanks, the final inspection shall take place before tanks are covered over.

42 F-3407.7.1 Responsibility: It shall be the responsibility of the installer to notify the code  
43 official forty-eight hours before final inspection is requested.

44 F-3407.8 Abandonment or removal of tanks: The code official shall be notified forty-  
45 eight hours prior to the abandonment, cleaning or removal of a flammable liquid tank.

46 F-3407.8.1 Requirements: The abandonment or removal of a flammable liquid tank shall

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1 comply with the applicable standards of NFPA 30.

2 F-3407.9 Leaking tanks: The code official shall be notified immediately upon discovery  
3 of any leakage of product from a flammable liquid tank, connected piping or pumps.

4 F-3407.10 Test of tanks or piping: The owner or occupant shall, when required by the  
5 code official, cause the testing of tanks, piping, pumps and related equipment, as so  
6 designated. Tests shall be performed according to procedures established by the code  
7 official.

8 F-3407.10.1 Witnessing test: Whenever the code official requires any tank, piping,  
9 pumps or related equipment to be tested the test shall be witnessed by the code official or  
10 designated representative. The code official shall be notified forty-eight hours before  
11 each test is to begin.

12 F-3407.11 Inventory control records to be kept: Accurate inventory control records for  
13 the purpose of detecting leakage shall be maintained by the person in control of the  
14 premises of each underground storage facility. The person in control of such premises  
15 shall make all inventory control records available for inspection and checking by the code  
16 official at all reasonable times and shall promptly report any abnormal loss of content to  
17 the code official.

18  
19 F-3407.12 Testing for leaks: Notwithstanding any of the requirements of this chapter for  
20 testing piping systems and underground storage tanks, the code official may require  
21 testing of any such system when there are grounds to believe that a system may be  
22 leaking, including without limitation the failure to maintain inventory control records, or  
23 if inventory control records indicate a shortage of product or based upon visual detection  
24 of leakage. The code official may, at any time when such leakage shall be apparent, close  
25 the entire facility and the facility shall remain closed until such time as the code official  
26 has been furnished sufficient proof that the leakage which has caused the closing of the  
27 facility has been repaired. The code official may at any time require the construction of  
28 intercepting holes or trenches to prevent the continuing migration of the contaminating  
29 liquid.

30 F-3407.13 Permits: A permit shall be obtained from the code official to repair any tank,  
31 container or piping and pumps used for the storage and dispensing of flammable liquids.

32 F-3407.14 Removal of covering devices for inspection: At the time of periodic tests of  
33 piping systems, and at any other reasonable time when requested to do so by the code  
34 official, dispenser panels, access covers and any other covering devices shall be removed  
35 to permit access for inspection. Any deficiencies which are causing the loss of product  
36 shall be immediately corrected.

37 F-3407.14.1 Observation well: An observation well shall be installed for each new tank  
38 location as determined by the code official.

39 F-3407.14.2 Secondary containment: Secondary containment shall be required in new  
40 tank installations as determined by the code official.

41  
42 Add Section 3408.0 thru 3408.5

43  
44 SECTION F-3408.0 REPAIR OF LEAKING TANKS OR CONTAINERS

45 F-3408.1 Repairs: Before any tank, equipment or containers used for storage or  
46 conveying of flammable liquids is repaired, the code official shall be notified prior to

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1 commencement of work.

2 F-3408.1.1 Requirements: The repair of all equipment outlined in Section F-3408.1 shall  
3 be done in strict compliance of requirements set forth by the code official and NFPA 329  
4 and NFPA 30.

5 F-3408.2 Requirements for installers of tanks and equipment: Only those companies and  
6 individuals duly certified by the code official having met the requirements set forth in  
7 Section

8 F-3409.0 for such certification shall be engaged for the purpose of installations or  
9 repairing flammable liquid tanks and related equipment.

10 F-3408.3 Fees: A fee shall be assessed by the code official for witnessing the testing of  
11 tanks and equipment. Fees shall be paid according to the fee schedule established in  
12 Table F-105.6.

13 F-3408.4 Repair permit: A fee shall be assessed by the code official for the repair,  
14 installation or abandonment of tanks and the repair of any tank, piping or pump as listed  
15 in Table F-105.6.

16 F-3408.5 Cleaning tanks: Before any flammable liquid tank is cleaned, a permit shall be  
17 obtained from the code official and a fee paid as listed in Table F-105.6.

18 Add Section F-3409.0 thru F-3409.7

19  
20 SECTION F-3409.0 CERTIFICATION OF FLAMMABLE LIQUID TANK  
21 INSTALLATIONS

22 F-3409.1 Scope: The purpose of this section is to regulate the installation, repair and  
23 testing of tanks and equipment used for the storage of flammable liquids in the interest of  
24 safeguarding lives and property.

25 F-3409.2 Registration of persons installing, repairing or testing flammable liquid storage  
26 tanks: Each firm engaged in the business of installing, repairing or testing flammable  
27 liquid storage tanks shall be required to have a Certificate of Registration issued by the  
28 code official.

29 F-3409.3 Prohibition against installing, repairing or testing flammable liquid storage  
30 tanks by personnel from uncertified company: The only person under this section  
31 allowed to install, repair or test flammable liquid tanks is a person that holds a Certificate  
32 of Registration, or an employee, agent or servant of a firm that holds a Certificate of  
33 Registration.

34 F-3409.4 Applications and hearing on licenses, permits and certificates: Applications for  
35 Certificates hereunder shall be made pursuant to regulations adopted by the code official  
36 as those regulations may from time to time be amended.

37 F-3409.5 Penalties: Whoever shall intentionally commit any acts as set forth in F-  
38 3409.5.1 and F-3409.5.2 shall be held in violation of this code, and shall, upon conviction  
39 thereof, be penalized as set forth in Section Four.

40 F-3409.5.1 Operating without certificate: No person shall engage in the business of  
41 installing, repairing, or testing flammable liquid storage tanks without a current  
42 Certificate of Registration.

43 F-3409.5.2 Misrepresentation: No person shall obtain or attempt to obtain a Certificate  
44 of Registration by fraudulent misrepresentation.

45 F-3409.6 Application for certificate of registration: Any firm that desires to engage in  
46 the business of installing, repairing, or testing flammable liquid storage tanks shall make

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1 a written verified application to the code official on forms provided for a Certificate of  
2 Registration, for each separate location or such firm where service is performed. The  
3 application must be signed by the sole proprietor, or each partner, or by an officer of the  
4 corporation.

5 F-3409.6.1 Review: If the code official finds after reviewing the applicant's record that  
6 the granting or renewing of a Certificate of Registration would not be contrary to the  
7 public safety and welfare, the code official shall issue or renew such Certificate of  
8 Registration authorizing the applicant to engage in the business of installing, repairing or  
9 testing flammable liquid storage tanks, provided the requisite fee(s) has/have been paid.  
10 The code official shall give each Certificate of Registration an identifying number.

11 F-3409.6.2 Renewal of certificate: An application for renewal of a Certificate of  
12 Registration shall be made annually in accordance with detailed procedures to be  
13 followed.

14 F-3409.6.3 Fees: The original and annual renewal fee for Certificates of Registration  
15 issued pursuant to these regulations shall be paid according to the fee schedule  
16 established in Table F-105.6.

17 F-3409.7 Revocation: The code official shall conduct a hearing pursuant to the revocation  
18 of any Certificate of Registration. The code official may then either refuse to renew,  
19 suspend or revoke the Certificate of Registration for any of the following causes:

- 20 1. Violation – Any violation as listed in Section F-3409.5.
- 21 2. Misrepresentation – Having obtained or having attempted to obtain a  
22 Certificate of Registration by fraudulent misrepresentation.
- 23 3. Malpractice – Malpractice or incompetence.
- 24 4. Failure to Pay Fee – Failure to pay the original or annual renewal  
25 Certificate of Registration fee provided in these regulations.
- 26 5. Violation of any provision of the rules and regulations as formulated and  
27 administered by the code official or violation of any provision of this  
28 section.

29  
30 Add Sections F-3812.1 thru F-3812.2 to read as follows:

31  
32 SECTION F-3800 LIQUEFIED PETROLEUM GASES

33 F-3812.1 Bulk storage: Bulk storage of Liquid Petroleum Gas of more than one-thousand  
34 pounds (240 gallons equivalent water capacity) shall not be permitted within the City  
35 Limits.

36 F-3812.2 Recharging: No recharging and/or refilling of any Liquefied Petroleum Gas  
37 containers shall be permitted within the City limits unless it is performed at a bulk  
38 storage transfer facility by a qualified operator of that facility.

39 Add Chapters 46 and 47 to read as follows:

40 CHAPTER 46

41 OVENS AND FURNACES

42 Section F-4601.0 General

43 F-4601.1 Scope: The provisions of this chapter shall apply to the location, design,  
44 construction, and operation of industrial processing ovens and furnaces operating at  
45 approximately atmospheric pressures and temperatures not exceeding seven-hundred  
46 degrees F. which are heated with oil or gas fuel or which during operation contain

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1 flammable vapors from the products being processed. It is the intent of this chapter to  
2 provide for the operation of these ovens and furnaces within certain limitations of control  
3 depending on oven or furnace design, flammable formulations and ventilation needs, the  
4 disregard of which may cause them to function in an unsafe manner, thereby becoming  
5 liable to destruction by fire or explosion.

6 F-4601.2 Permits and construction documents: No oven or furnace to which this code  
7 applies shall be operated without a permit from the code official. Application for a permit  
8 shall be accompanied by construction documents showing all essential details as to  
9 location, design, construction, controls, and calculations for safe operation. The process  
10 and materials involved shall be fully described. Catalytic combustion systems utilized for  
11 the oxidization or combustion of the exhaust gases or vapors shall be described.

#### 12 SECTION F-4602.0 DEFINITIONS

13 F-4602.1 Definitions: The following words and terms shall, for the purposes of this  
14 chapter and as stated elsewhere in this code, have the meanings shown herein.

15 Catalytic Combustion System: An oven heater or any construction that employs catalysts  
16 to accelerate oxidization or combustion of fuel air or fume air mixtures for eventual  
17 release of heat to an oven process.

#### 18 SECTION 4603.0 FIRE SAFETY REQUIREMENTS

19 F-4603.1 General: The layout, arrangement and construction of buildings and structures  
20 in which industrial processing ovens and furnaces are installed or operated shall comply  
21 with the applicable requirements of the building code for the appropriate occupancy use  
22 group classification, and shall be provided with fire protection and fire extinguishment  
23 equipment as required by that code. Buildings and structures and their service equipment  
24 shall be maintained in safe and sound condition as required by this code.

#### 25 SECTION F-4604.0 LOCATION AND CONSTRUCTION

26 F-4604.1 General: Ovens, furnaces and related equipment shall be located with due  
27 regard to the possibility of fire resulting from overheating or from the escape of fuel gas  
28 or fuel oil, and the possibility of damage to the building and injury to persons resulting  
29 from explosion.

30 F-4604.2 Location: Ovens and furnaces shall be located at or above grade, or if in  
31 basements, at least fifty percent of the wall area of the room in which the oven or furnace  
32 is located shall be above grade.

33 F-4604.3 Accessibility: Ovens and furnaces shall be so located as to be readily accessible  
34 for inspection and maintenance and with adequate clearances to permit the proper  
35 functioning of explosion vents. Roofs and floors of ovens and furnaces shall be  
36 sufficiently insulated and ventilated to keep temperatures at combustible ceilings and  
37 floors below one-hundred sixty degrees F.

38 F-4604.4 Construction: Ovens and furnaces shall be constructed of non-combustible  
39 materials throughout except where the maximum oven operating temperature is not over  
40 one-hundred sixty degrees F. The amount of insulation used in oven panel construction  
41 shall be enough to prevent the outside surface temperature from exceeding one-hundred  
42 sixty degrees /F, or adequate guards shall be provided to protect personnel. The metal  
43 frames of ovens or furnaces shall be electrically grounded.

44 F-4604.5 Relief vents: Ovens and furnaces which may contain flammable air-gas  
45 mixtures shall be equipped with relief vents for freely relieving internal explosion  
46

1 pressures and all explosion-venting panels or doors shall be arranged so that when open,  
2 the full vent opening will be an effective relief area.

3 F-4604.6 Ducts: All duct work shall be constructed of non-combustible material. Ducts  
4 shall be made tight throughout and shall have no openings other than those required for  
5 the proper operation and maintenance of the system. Ducts passing through combustible  
6 walls, floors, or roofs shall have adequate insulation and clearances to prevent surface  
7 temperatures from exceeding one-hundred sixty degrees F. Exhaust ducts shall not  
8 discharge near doors, windows or other air intakes in a manner that will permit re-entry  
9 of vapors into the building.

#### 10 SECTION F-4605.0 VENTILATION

11 F-4605.1 General: Ovens and furnaces in which flammable or toxic vapors are liberated  
12 or through which products of combustion are circulated shall be ventilated by the  
13 introduction of a supply of fresh air and proper exhaust to outdoors. Discharge pipes shall  
14 not terminate within ten feet measured horizontally from any door, window or wood  
15 frame walls of any building.

16 F-4605.2 Air circulation: Ventilation shall be arranged to provide vigorous and well-  
17 distributed air circulation within the oven furnace to insure that the flammable vapor  
18 concentration will be safely below the lower explosive limit at all times. Unless the oven  
19 or furnace is operated in accordance with specific approval specifying particular solvents  
20 and rate of ventilation, the rate of ventilation shall not be less than ten-thousand cubic  
21 feet of fresh air per gallon of solvent evaporated in continuous process ovens or furnaces,  
22 and not less than three-hundred eighty cubic feet per minute per gallon of flammable  
23 solvent evaporated in batch process ovens or furnaces.

24  
25 F-4605.3 Duct openings: Exhaust duct openings shall be located in the area of greatest  
26 concentration of vapors.

27 F-4605.4 Power fans: All exhaust shall be by mechanical means using power driven  
28 fans.

29 F-4605.5 Safety controls: Safety controls shall be sufficient in number and substantially  
30 constructed and arranged to maintain the required conditions of safety and prevent the  
31 development of fire explosion hazards.

32 F-4605.5.1 Ventilation controls: Ventilation controls, suitably interlocked, shall be  
33 provided which will insure the required pre-ventilation and ventilation of the system.

34 F-4605.5.2 Fuel controls: Fuel safety controls, suitably interlocked and arranged to  
35 minimize the possibility of dangerous accumulations of explosive air-fuel mixtures in the  
36 heating system, shall be provided.

37 F-4605.5.3 Temperature controls: Excess temperature controls shall be provided to  
38 maintain a safe operation temperature within the oven or furnace.

39 F-4605.5.4 Conveyor controls: Conveyor interlocks shall be provided in conveyor ovens  
40 or furnaces having a flammable vapor hazard, so that the conveyor cannot move unless  
41 ventilating fans are opening and discharging the required amount of air.

#### 42 CHAPTER 47

#### 43 HAZARD ABATEMENT IN EXISTING BUILDINGS

#### 44 SECTION F-4701.0 GENERAL

45 F-4701.1 Scope: The provisions of this chapter are to provide a reasonable degree of  
46 safety to persons occupying existing buildings that do not conform to the minimum

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1 requirements of the building code listed in Chapter 45 by requiring the alterations listed  
2 herein to such existing buildings.

3 F-4701.2 Application of other codes: All alterations to an existing building which are  
4 caused directly or indirectly by the enforcement of this code shall be done in accordance  
5 with the applicable procedures and provisions of the building, plumbing and mechanical  
6 codes and NFPA 70 listed in Chapter 45.

7 F-4701.3 Continued maintenance: All service equipment, means of egress devices and  
8 safeguards which are required by this chapter or which were required by a previous  
9 statute or other code in a building or structure when erected, altered or repaired shall be  
10 maintained in good working order. The requirements of this chapter are not to provide  
11 the basis for removal or abrogation of fire protection and safety systems and devices in  
12 existing buildings. These requirements are intended to require that existing buildings  
13 which do not comply with these provisions be altered to provide a minimum level of  
14 safety as required herein.

#### 15 16 SECTION F-4702.0 MEANS OF EGRESS

17 F-4702.1 Number of exits: In non-residential buildings, every occupied story more than  
18 six stories above grade shall be provided with not less than two independent exits. In  
19 residential buildings, every story exceeding two stories above grade shall be provided  
20 with not less than two independent exits. In stories where more than one exit is required,  
21 all occupants shall have access to at least two exits. Every occupied story which is both  
22 completely below grade and greater than 2,000 square feet (186 m<sup>2</sup>) shall be provided  
23 with not less than two independent exits.

24  
25 Exception: A single exit is acceptable under any one of the following conditions:

- 26 1. Where the building is equipped throughout with an approved automatic  
27 sprinkler system and an approved automatic fire detection system with  
28 smoke detectors located in all corridors, lobbies and common areas.
- 29 2. Where the building is equipped throughout with an approved automatic  
30 fire detection system, and the exit is an approved smoke proof enclosure  
31 or pressurized stairway.
- 32 3. Where an existing fire escape complying with the building code listed in  
33 Chapter 44 is provided in addition to the single exit.
- 34 4. Where permitted by the building code listed in Chapter 45.

35 F-4702.2 Exit enclosure: All interior exits and shafts shall be enclosed with approved  
36 assemblies except as provided for in Table F-4702.2.

1  
2  
3  
4

TABLE 4702.2

ENCLOSURE EXCEPTIONS

Occupancy	Exception conditions <sup>2</sup>
Business	Where connecting not more than two floor levels and less than 3,500 square feet per floor, or where connecting not more than three floor levels and the structure is equipped throughout with an approved automatic sprinkler system.
Education	Where connecting not more than two floor levels and the structure is equipped throughout with an approved automatic sprinkler system.
Factory-industrial, storage	Where connecting not more than two floor levels, or where connecting not more than three floor levels and the structure is equipped throughout with an approved automatic sprinkler system.
Mercantile	Where connecting not more than two floor levels and less than 2,000 square feet per floor, or where connecting not more than two floor levels and the structure is equipped throughout with an approved automatic sprinkler system.
Residential – hotels	Where connecting not more than two floor levels and the structure is equipped throughout with an approved automatic sprinkler system.
Residential – apartment	Where connecting not more than two floor levels with not more than four dwelling units per floor, or where connecting not more than three floor levels with not more than four dwelling units per floor and the structure is equipped throughout with an approved automatic sprinkler system.
Residential – one- and two family dwellings	

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Note a. 1 square foot = 0.093m<sup>2</sup>

F-4702.2.1 Enclosure rating: Enclosures connecting not more than six floor levels shall have a fire resistance rating of not less than 1 hour with approved opening protective. Enclosures connecting more than six floor levels shall have a fire resistance rating of not less than 2 hours with approved opening protective.

F-4702.3 Exit capacity: The capacity of the exits serving a floor shall be sufficient for the occupant load thereof as determined by the building code listed in Chapter 45.

F-4702.4 Corridor enclosure: All corridors serving an occupant load greater than 30 and the openings therein shall provide an effective barrier to resist the movement of smoke. All transoms, doors, doors and other openings shall be closed or shall be self-closing.

Exceptions:

1. Corridors in occupancies other than in Use Group H, which are equipped throughout with an approved automatic sprinkler system.
2. Patient room doors in corridors in occupancies in Use Group 1-2 where smoke barriers are provided in accordance with Section F-607.4.
3. Corridors in occupancies in Use Group E where each room utilized for

1 instruction of assembly purposes has at least on-half of the required means  
2 of egress doors opening directly to the exterior of the building at ground  
3 level.

- 4 4. Corridors that are in compliance with the building code listed in Chapter  
5 45.

6 F-4702.5 Dead-end travel distance: All corridors that serve more than one exit shall  
7 provide direct connection to such exits. The length of a dead-end corridor shall not  
8 exceed 35 feet (10668 mm) where the building is not equipped throughout with an  
9 approved automatic sprinkler system. The dead-end travel distance limitation shall be  
10 increased to 70 feet (21336 mm) where the building is equipped throughout with an  
11 approved automatic sprinkler system.

#### 12 SECTION F-4703.0 SHAFTS

13 F-4703.1 Enclosure: All shafts shall be enclosed as required by Sections F-4702.2 and F-  
14 4702.2.1 for exits except elevator and supplemental stairway shafts which are  
15 immediately adjacent to and not separated from floor openings connecting the same  
16 floors served by the shaft. The opening protective shall provide a barrier to fire  
17 penetration. Building service shafts such as trash chutes, utility and duct shafts shall be  
18 enclosed as required by Sections 4702.2 and 4702.2.1 for exits.

#### 19 SECTION F-4704.0 ILLUMINATION AND SIGNS

20 F-4704.1 Egress illumination: All means of egress shall be equipped with artificial  
21 lighting in accordance with the requirements for new buildings in the building code listed  
22 in Chapter 45. Emergency lighting shall be provided in accordance with the requirements  
23 for new buildings in the building code listed in Chapter 45.

24  
25 F-4704.2 Exit signs: All means of egress shall be indicated with approved "Exit" signs  
26 where required by the building code listed in Chapter 45. All "Exit" signs shall be  
27 maintained visible, and all illuminated exit signs shall be illustrated at all times that the  
28 structure is occupied.

29 F-4704.3 Information signs: A sign shall be provided at each floor landing in all interior  
30 stairways more than three stories above grade, designating the floor level above the floor  
31 of discharge. All elevator lobby call stations on all floor levels shall be identified by  
32 approved signs in accordance with the requirements for new buildings in the building  
33 code listed in Chapter 45.

34 Exception: The emergency sign shall not be required for elevators that are part of  
35 an accessible means of egress complying with the building code listed in Chapter 45.

#### 36 SECTION 4705.0 FIRE PROTECTION SYSTEMS

37 F-4705.1 High hazard use: All buildings and portions thereof of high-hazard use shall be  
38 equipped throughout with an approved automatic fire suppression system.

39 F-4705.2 Commercial kitchen exhaust systems: Commercial kitchen exhaust systems  
40 shall be provided in accordance with Section F-309.0.

41 F-4705.3 Fire standpipes: All buildings having floors used for human occupancy which  
42 are located more than six stories above grade shall be provided with standpipes installed  
43 in accordance with the building code listed in Chapter 45. The standpipes shall have an  
44 approved fire department connection with hose connections at each floor level.

45 F-4705.4 Single and multiple station smoke detectors: A minimum of one approved  
46 single-station or multiple-station smoke detector shall be installed in each guestroom,

1 suite or sleeping area in occupancies R-1 and I-1 and in dwelling units in the immediate  
2 vicinity of the bedrooms in occupancies in Use Group R-2 and R-3. In all residential  
3 occupancies, smoke detectors shall be required on every story of the dwelling unit,  
4 including basements. In dwelling units with split levels and without an intervening door  
5 between the adjacent levels, a smoke detector installed on the upper level shall suffice for  
6 the adjacent lower level, provided the lower level is less than one full story below the  
7 upper level.

8 F-4705.5 Carbon monoxide detectors: The owner of every existing building or structure  
9 that is heated by a fossil fuel powered heating unit which is fully contained within the  
10 interior of the building or structure, and every existing building or structure in which  
11 machinery, which is powered by fossil fuel, is operated shall contain not less than one  
12 approved carbon monoxide detector in the room containing the heating unit or the area in  
13 which the machinery is located.

14 Exceptions:

- 15 1. Single family residential buildings.
- 16 2. Multiple family residential buildings containing fewer than twenty units,  
17 unless said building contains twelve or more separate fossil fuel powered heating  
18 units on the same building level.

19 F-4705.5.1 Tampering: Anyone tampering or interfering with the effectiveness of a  
20 smoke or carbon monoxide detector shall be in violation of this code.

21 F-4705.6 Fire protection signaling device: All buildings used as churches and for similar  
22 religious purposes or educational uses shall be equipped with a fire protective signaling  
23 system in accordance with the building code listed in Chapter 45.  
24

25 Exception: Sanctuary and nave areas of churches and similar religious buildings.

#### 26 SECTION F-4706.0 ELEVATOR RECALL

27 F-4706.1 Required: All elevators with a travel distance of 25 feet (7620mm) or more  
28 above the primary level of elevator access for emergency fire-fighting or rescue  
29 personnel shall comply with Rule 211.3 of ASME A17.1 listed in Chapter 45.

#### 30 SECTION F-4707.0 MECHANICAL EQUIPMENT CONTROL

31 F-4707.1 Smoke and heat detection: Approved smoke or heat detectors shall be installed  
32 in return air ducts or plenums in each re-circulating air system with a capacity of more  
33 than 2,000 cubic feet per minute (cfm) (1m<sup>3</sup>/s) and serving more than one floor in  
34 buildings exceeding six stories in height, in accordance with the mechanical code listed in  
35 Chapter 45. Actuation of the detector shall stop the fan or fans automatically and be of  
36 the manual-reset type. Automatic fan shutdown is not required where the system is part  
37 of an approved smoke control system.

38 Section Four.

39 Any person who shall violate a provision of this code or shall fail to comply with any of  
40 the requirements thereof, or who shall erect, construct, alter, extend, repair, remove,  
41 demolish, use or occupy any building, structure or premises or equipment regulated by  
42 this code in violation of an approved construction document or directive of the code  
43 official or the Board of Building Appeals, or of a permit, license or certificate issued  
44 under the provisions of this code, shall, upon conviction thereof, be punished by a fine of  
45 not more than five-hundred dollars or by imprisonment not exceeding ninety days, or  
46 both such fine and imprisonment. Each day that violation continues shall constitute a

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**Board Bill #43**

**Sponsor: Alderman Kennedy**

1 separate and distinct offense.

2 Section Five.

3 In the event of any part or provision of this code is held to be illegal or void, shall not  
4 have the effect of making void or illegal any of the other parts or provisions thereof,  
5 which are determined to be legal; and it shall be presumed that this code would have been  
6 passed without such illegal or invalid parts or provisions. Any invalid part of this code  
7 shall be segregated from the remainder of the code by the court holding such part invalid,  
8 and the remainder shall remain effective.

9 Section Six.

10 Nothing in this ordinance or in the 2003 International Fire Prevention Code hereby  
11 adopted shall be construed to affect any suit or proceeding impending in any court, or any  
12 rights acquired, or liability incurred, or any cause or causes of action acquired or existing,  
13 under any act or ordinance hereby repealed as cited in Section Two of this ordinance; nor  
14 shall any just or legal right or remedy of any character be lost, impaired or affected by  
15 this ordinance.

16 This being an ordinance necessary for the immediate preservation of the public safety, it  
17 is hereby declared to be an emergency measure and shall become effective immediately  
18 upon its approval by the mayor.

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