



# **FIRE PREVENTION CODE**

**ADOPTED 8/12/03 (Ordinance #730)**

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### **§ 1.1 ADOPTION OF FIRE PREVENTION CODE**

(A) For the purpose of governing conditions hazardous to life and property from fire, explosion, entrapment, or other preventable dangers and for the purpose of establishing prevention and control measures to maintain the safety and welfare of the public from such dangers as listed above, the following codes and standards are hereby adopted and incorporated herein by reference as fully as if set out at length:

- (1) National Fire Protection Association National Fire Codes, 2002 edition, all sections/standards with the following sections-standards deleted: 13R, 70, 101, 1001, 1002, 1003, 1021, 1031, 1033, 1035, 1041, 1051, 1061, 1221, 1451, 1500, 1521, 1600, 1710, 1720, 1975, and 5000; and subject to all appendixes thereto being considered mandatory rather than discretionary.
- (2) National Fire Protection Association, NFPA-101, Life Safety Code, 2000 edition, with the following chapter being deleted in its entirety: 24.
- (3) BOCA National Fire Prevention Code, 1999 edition.

(B) Two copies of each of the codes referenced in subsection A above shall be kept available at the Village Hall, for use, inspection and examination.

### **§ 1.2 DEFINITIONS**

As used in this chapter, the following words shall have the meaning ascribed to them in this section:

(A) **AGENT (S)** shall be defined, for the purpose of this ordinance, any person who shall have charge, care or control of any structure as owner, or agent of the owner, or as executor, executrix, administrator, administratrix, trustee or guardian of the estate of the owner. Any such person representing the actual owner shall be bound to comply with the provisions of this chapter to the same extent as if that person was the owner.

(B) **AGGREGATE QUANTITY**, shall be defined, for the purpose of this ordinance, as the total whole amount.

(C) **ALTERATION**, shall be defined, any construction or renovation to an existing structure other than repair or addition.

(D) **APPROVED**, shall be defined, for the purpose of this ordinance, as providing the approval and consent of the Director of Fire & Building of the La Grange Park Fire Department or his/her designee(s), as provided for in adopted Village codes.

(E) **AUTHORITY HAVING JURISDICTION**, shall be defined for the purpose of this code as the authorized individual(s) charged with the control or the extinguishment of any fire, the enforcement of this Code or any other official duties.

(F) **AUTOMATIC SUPERVISED FIRE ALARM SYSTEM (S)**, shall be defined as any automatic or manual fire alarm system with detection and manual pull stations, installed in a structure to detect the presence of fire or its byproducts to alert the building's occupants by visual and audible means of the presence of a fire, and transmit the presence of an alarm condition

directly to the authorized Fire Department alarm board as designated by the Director of Fire & Building or his/her designee.

(G) ***AUTOMATIC SUPERVISED FIRE SUPPRESSION SYSTEM(S)***, shall be defined, as any approved automatic or manual fire suppression system(s), installed within a structure to extinguish fire(s) within said structure in the earliest possible stage(s) of a fire.

(H) ***AUTOMATIC SUPERVISED COMMERCIAL KITCHEN FIRE PROTECTION SYSTEM (S)***, shall be defined, as any approved automatic or manual fire suppression system(s), installed within a commercial kitchen to extinguish fire(s) within cooking appliances, hood and duct systems, as well as in any other grease vapor producing appliance used for cooking or preparing food or food products in the earliest possible stage(s) of a fire.

(I) ***COOK COUNTY HEALTH DEPARTMENT***, shall be defined, as The Cook County Health Department, which is the public health authority within the County of Cook.

(J) ***FOOD***, shall be defined, as that which is eaten or drunk or absorbed for the growth and repair of organisms and the maintenance of life; nourishment, nutriment.

(K) ***FIRE ALARM CONTROL PANEL***, shall be defined, as the control panel which supervises or monitors manual and automatic fire protection initiating devices such as but not limited to heat or smoke detectors, manual initiating pull stations, and automatic fire protection and suppression devices.

(L) ***FIRE DEPARTMENT ALARM BOARD***, shall be defined, as the alarm board designated by the Village to receive supervised signals from required systems of fire alarm nature.

(M) ***FIRE EXTINGUISHER COMPANY***, shall be defined, as a private company certified or licensed by The Office of the Illinois State Fire Marshal and/or State of Illinois to service, test, and certify fire extinguishers.

(N) ***FIRE PUMP***, shall be defined, as a mechanical device installed within a sprinkler or standpipe fire protection system designed to increase water pressure and/or water flow within sprinkler systems which require additional pressure due to size, elevation or lack of initial water pressure.

(O) ***FIREWORKS***, shall be defined, as any explosive composition, or any substance or combination of substances or article prepared for the purpose of producing a visible or audible effect of a temporary exhibitional nature by explosion, combustion, deflagration or detonation, and shall include bombs, firecrackers, firecrackers having the designation: M-80, M-100, M250, M500, M1000, cherry bombs, silver salutes, skyrockets, roman candles, sparklers, smoke bombs, snakes or facsimile, party poppers, or other fireworks of like construction. Fireworks shall not include road flares, starter pistols, toy cap guns that utilize caps having no more than 25/100 grains of explosive compounds or mixtures.

(P) **HAZARDOUS MATERIALS**, shall be defined, as any substance which may pose an unreasonable risk to health and safety of operating or emergency personnel, the public, and/or the environment if it is not properly controlled during handling, storage, manufacture, processing, packaging, use, disposal, or transportation, as defined by The United States Department of Transportation (DOT).

(Q) **LICENSED FIRE PROTECTION COMPANY**, shall be defined, as a private company certified or licensed by The Office of the Illinois State Fire Marshal, The State of Illinois, and/or another Authority having Jurisdiction, to design, install, service, test, and certify fire protection systems including but not limited to sprinkler, standpipe, or other fire protection systems as required by this chapter.

(R) **LICENSED ELECTRICIAN**, shall be defined, as a private individual or company certified or licensed by The State of Illinois and/or another authority having jurisdiction, to design, install, service, test and certify electrical wiring, connections, plugs receptacles, and other similar devices as required by this chapter.

(S) **MSDS OR MATERIAL SAFETY DATA SHEETS**, shall be defined, as the primary document by which health and safety information is provided by the manufacturer to the distributor and ultimately to the worker using the product as defined by the Illinois Department of Labor.

(T) **MUNICIPALITY OR VILLAGE**, shall be defined, as the Village of La Grange Park.

(U) **OWNER(S)**, shall be defined, as any person who alone, or jointly or severally with others, shall have legal title to any structure or premises with or without accompanying actual possession thereof and shall include the duly authorized agent or attorney, a purchaser, devisee, fiduciary, and any person having a vested or contingent interest in the premises in question.

(V) **PERSON(S)**, shall be defined, as an individual, corporation, firm, partnership, association, organization and a group acting as a unit, executor, administrator, trustee, receiver or other representative appointed according to law. Whenever the word person appears in any section of this chapter prescribing a penalty or fine, as to partnerships or associations, the word shall include partners or members thereof, and as to corporations, shall include the officer, agents or members thereof who are responsible for any violation of such section.

(W) **RAPID ENTRY SYSTEM**, shall be defined, as approved Supra Key Box(r) key vaults/boxes manufactured by Supra Corporation, that meet the specifications of the Village's Fire Department. These key vaults/boxes are for the exclusive use of the Village's Fire and Police Departments for official and emergency purposes only.

(X) **RESPONSIBLE PARTY/PARTIES**, shall be defined, as including any and all corporations (including its officers, agents or members thereof), firms (and the partners or members thereof), partnerships (and the partners or members thereof), associations (and the partners or members thereof), organizations and any other groups acting as a unit, as well as

individuals who are responsible for their actions relative to land and real property they own in whole or in part.

(Y) **REQUIRED SYSTEMS**, shall be defined, for the purpose of this code, as approved automatic supervised fire alarm systems, approved automatic supervised fire protection systems, approved automatic or manual supervised commercial kitchen fire suppression systems that are required by this chapter or other Federal, State, or local law. Required systems shall also include acceptable systems agreed to by the Village's Fire Department and the building owner/occupant as an alternative to other Code requirements that are difficult or impractical to comply with.

(Z) **ROUTINE VIOLATIONS**, shall be defined, as violations of adopted codes, standards and ordinances which are considered as prescribed by standard inspection procedures.

(AA) **STANDPIPE SYSTEM**, shall be defined, as a fire protection system consisting of an arrangement of piping, valves, hose outlets and allied equipment installed in a building or structure which, when required, shall be properly supervised.

(AB) **SUPERVISED SYSTEM**, shall be defined, as an initiating device used to monitor the conditions that are essential for the proper operation of Automatic Fire Alarm Systems, Automatic Fire Protection System, Automatic Commercial Kitchen Fire Suppression System, and Standpipe Systems.

(AC) **TOTAL BUILDING AREA (S)**, shall be defined, as the area(s) included within surrounding exterior walls (or exterior walls and firewalls) exclusive of open-air vent shafts and courts. Areas of the building not provided with surrounding walls shall be included in the building area if such areas are included within the horizontal projection of the roof or floor above.

(AD) **UNSAFE CONDITION**, shall be defined, as a condition which by its existence poses a safety hazard to human life or the welfare of the public.

### **§ 1.3 CONFLICTS**

In the event of any conflict regarding fire protection/life safety requirements between the provisions of NFPA 101 and any adopted model code or standard, the provisions of NFPA 101 shall govern. If a conflict shall exist between the provisions of this chapter and any adopted model code, the provisions of this Chapter shall govern.

### **§ 1.4 ESTABLISHMENT OF A FIRE PREVENTION BUREAU**

(A) A Fire Prevention Bureau is hereby established for the purpose of inspecting all buildings, except for one and two family dwellings, and for enforcing this Chapter and any and all fire and life safety codes adopted by the Village. The Chief of the Fire Prevention Bureau shall be the Director of Fire and Building (Fire Chief) of the Village, or his/her designee. The Chief may designate a supervisor and/or inspectors for the purposes of carrying out the inspection and enforcement provision of this Chapter.

(B) It is the intent of this Chapter, that all village buildings, except one and two family dwellings, may be inspected regularly by the Chief of the Fire Prevention Bureau or his/her designee(s). The actual schedule of inspection will be determined by the Chief of the Fire Prevention Bureau, and may be reasonably modified in accordance with any and all variables such as inspection staff, work loads, occupancy classification, built-in fire protection systems, etc. Buildings having a new occupancy shall be inspected prior to the occupancy being granted, regardless of the regularly scheduled period. As occupancies change and new buildings are constructed, they shall be added to the inspection schedule according to their occupancy type and other variables.

(C) The Chief of the Fire Prevention Bureau or his/her designee(s), shall submit plan review comments for inclusion as part of the building permitting process.

### **§ 1.5 OCCUPANCY APPROVAL**

No person, firm, or corporation shall occupy, construct or begin construction of, or to make changes to a structure or add onto a building or structure, or change the interior layout or design of any structure, prior to receiving the applicable building permit.

### **§ 1.6 RIGHT OF ENTRY**

The Director of Fire & Building or any appointed inspector shall be allowed to enter any building or premises, except one and two family dwellings, at all reasonable hours, for the purpose of making an inspection or investigation. If entry is refused or denied, the Director and any appointed inspectors shall be authorized to pursue recourse as provided by law.

### **§ 1.7 PENALTIES**

(A) The failure of any person(s) or entity to comply with the requirements contained in a written notice from the Chief of the Fire Prevention Bureau, or his/her designee, delivered in person, posted on the premises, or sent to the person by U.S. Certified Mail, relative to a malfunction of Fire Protection or Fire Detection equipment, within three (3) days after receipt of such notice, shall be considered an offense against, and violation of the Village Code. This violation may be considered for penalty and/or prosecution as outlined within this Chapter and the Village Code.

(B) Such notice shall continue in force and effect until full compliance with the requirements stated herein. Each and every failure to comply with such notice within twenty-four (24) hours after the three (3) days allowed for compliance shall constitute a separate and distinct offense and may be considered for penalty and/or prosecution as outlined within this Chapter.

(C) A fine in accordance with this Section may be imposed for two failed inspections. If the second re-inspection has been completed and violations have not been corrected it will be the responsibility of the owner/agent to contact the Fire Department and to provide evidence of compliance. A fine in accordance with this Section may be imposed each time that an inspector returns to the building for a re-inspection until all violations have been corrected.

(D) A fine in accordance with this Section may be imposed for an unsafe condition. An unsafe condition may involve inadequate means of egress, or conditions that may constitute a

fire hazard, or conditions that are dangerous to human life or the public welfare. A fine in accordance with this Section may be imposed for each violation deemed an unsafe condition, with each day said violation continues to exist constituting a separate and distinct offense.

(E) Any person who violates, disobeys, omits, neglects, or refuses to comply with, or resists the enforcement of any of the provisions of this Chapter, including the codes adopted herein by reference, or who refuses to remedy or correct a violation of same may;

- (1) Be issued a local ordinance violation citation, which shall carry a fine of twenty five dollars (\$25.00) for the first (1st) offense, fifty dollars (\$50.00) for the second (2nd) offense, and one hundred dollars (\$100.00) for the third (3rd) and each additional offense; or
- (2) Be issued a local ordinance non-traffic citation requiring a mandatory court appearance by the person(s) or representative(s) of the named entity, which shall carry a fine, upon conviction, of not less than one hundred dollars (\$100.00), nor more than seven hundred fifty dollars (\$750.00) for each offense.

(F) Penalties for false alarms shall be in accordance with this Code. False alarm provisions within this Chapter shall apply to both new and existing structures as follows:

- (1) *Type of False Alarms Charged.* A fire alarm user shall be fined for each fire alarm if such false fire alarm is:
  - (i) Given intentionally;
  - (ii) due to or caused by improper installation, designed or use or due to lack of required maintenance;
  - (iii) Resulting from any test, repair, alteration or addition to the fire protection system without prior notification thereof to the La Grange Park Fire Department.
- (2) *Fines.* A fire alarm user shall be fined for false fire alarms as follows:
  - (i) First false alarm in a three (3) month period: no action.
  - (ii) Second false alarm in a three (3) month period: shall result in a false alarm charge of \$400.
  - (iii) Each additional false alarm in a three (3) month period after one shall result in a false fire alarm charge of \$400.
- (3) That, in addition to the fine(s) set forth in section 2, if any false alarm user refuses to pay or fails to pay within 30 days of notice of the fine, the user shall be deemed to have further violated this ordinance and will incur an additional fine of not less than \$100, nor more than \$750 for each offense plus all legal fees and costs incurred by enforcement. Such fees and costs shall include, but not be limited to, staff costs of inspection or re-inspection, legal fees, and staffs cost at enforcement. A separate offense shall be deemed committed for each day on which a violation occurs or continues.
- (4) Failure to pay any fines of fees that are reduced to judgement will result in a lien filed against the fire alarm user's property.
- (5) The La Grange Park Fire Department assumes no liability for:
  - (i) Any defects in the operation of an alarm system.

- (ii) For failure or neglect to respond appropriately upon receipt of an alarm.
  - (iii) For failure or neglect of any person in connection with the installation, operation or maintenance of any alarm system.
  - (iv) The transmission of alarm signals, pre-recorded alarm messages, or the relaying of such signals and messages.
- (6) Nothing in this ordinance shall authorize the La Grange Park Fire Department to refuse to provide any service to any person, business or other entity that has not paid for services previously provided or that owes money for services previously rendered.

(G) *False Alarm.* Shall be defined, as an alarm signal(s), which indicates the existence of an emergency situation, when in fact no such emergency exists, and shall include any alarm signal generated by any fire protection system by whatever means, but shall not include alarms resulting from any of the following:

- (1) Fire causing structural damage to the protected premises verified by the Village's Fire Department.
- (2) Earthquake causing structural damage to the protected premises.
- (3) Winds causing structural damage to the protected premises.
- (4) Flooding to the protected premises due to overflow of natural drainage.
- (5) Lightning causing physical damage to the protected premises.
- (6) Telephone line malfunction verified in writing to the Village's Fire Department by an authorized telephone company supervisor within seven (30) days of the occurrence. It shall be the responsibility of the property owner or the person responsible for the system to acquire this verification. This may be verified by responding Fire Department Personnel at the time of the response.
- (7) Electrical service interruption verified in writing to the Village's Fire Department by the local power company manager within seven (30) days of the occurrence. It shall be the responsibility of the property owner or the person responsible for the system to acquire this verification. This may be verified by responding Fire Department Personnel at the time of the response.
- (8) Plumbing or electrical malfunctions unrelated to fire protection system(s). This shall not include power interruption caused by electricians or other service personnel in the building.
- (9) Alarm activation resulting from the presence of smoke.

(H) *Fire Alarm User.* A " fire alarm user" is defined as the owner of the property from which the false alarm originates and any individual, partnership, operation, organization or other entity occupying or on the property with permission of the owner.

**§ 1.8 RAPID ENTRY SYSTEM**

All buildings having required approved automatic supervised fire alarm systems, approved automatic supervised fire protection systems, approved automatic or manual supervised commercial kitchen fire suppression systems shall have a rapid entry system by which to allow emergency personnel immediate access to the building. This system shall consist of an approved model Supra Box(r) key vault securely mounted to the exterior of the building in a location

approved by the Chief of the Fire Prevention Bureau or his/her designee(s), containing the following keys:

- (1) All exterior entry doors leading into the building.
- (2) Fire alarm control panel (FACP), Pull stations and all other key operated devices.
- (3) Fire protection/sprinkler rooms, locking control valves devices.
- (4) All utility/electrical rooms.
- (5) All boiler/furnace rooms.
- (6) Elevator control equipment.
- (7) All other secured doors that are deemed necessary for access by the Fire Department.

If approved by the Chief of the Fire Prevention Bureau, a box serving multiple buildings may be allowed provided that access to all buildings is provided, and the box or boxes are centrally located to minimize response time of entry.

The building owner(s)/occupant(s) shall be responsible for the purchase and installation of the approved key Box, as well as contacting the Fire Prevention Bureau to secure the building keys. It shall be the building owner's and building occupant's responsibility to provide the Fire Prevention Bureau with properly labeled and updated keys as needed. Application forms for obtaining the key box can be obtained from the Fire Prevention Bureau at the Fire Department during normal business hours.

### **§ 1.9 FIRE ALARM SYSTEMS**

(A) All new construction that meets the criteria established in Table 1.9A in this section shall be equipped with an approved automatic supervised fire alarm system. Where any part of said structure has a use group or occupancy type meeting the criteria listed in Table 1.9A, and the use group classification or occupancy type is in only a portion of the building, the entire building shall be fully protected by the approved automatic Supervised Fire Alarm System.

(B) All existing construction that meets the criteria established in Table 1.9A (except R-3 Use Groups, and R-2 Use Groups having 3 units or less) shall be equipped with an approved automatic supervised fire alarm system no later than 365 days from date of notice given.

(C) Any modifications to any existing structure, whereby the cost of modifications would be greater than 50% of the value of the structure, and the structure meets or exceeds the criteria established in Table 1.9A, shall result in the requirement that the entire structure be fully protected by an approved automatic supervised fire alarm system complying with NFPA-72, 1998 edition and this code.

(D) Any structures having multiple uses, which include residential use, shall be equipped with an approved automatic supervised fire alarm system. When residential use is in only a portion of the building, the entire building shall be fully protected by the approved automatic supervised fire alarm system.

(E) All approved automatic supervised fire alarm system notification devices shall be of an approved audio-visual type that comply the Illinois Accessibility Code and the Americans with Disabilities Act.

(F) Fire Alarm signal deactivation shall not be permitted.

(G) All required approved automatic supervised fire alarm systems, shall comply with all codes and standards adopted by this Chapter as well as meet minimum standards of professional installation specifications as set forth by the manufacturer of the equipment being installed.

(H) All new required and approved automatic supervised fire alarm systems shall automatically transmit the presence of an alarm condition directly to the Village of La Grange Park Fire Department alarm board as designated by the Chief of the Fire Prevention Bureau or his/her designee.

All existing required and approved automatic supervised fire alarm systems shall automatically transmit the presence of an alarm condition directly to the Village of La Grange Park Fire Department alarm board, or to a UL Listed Central Station, as designated by the Chief of the Fire Prevention Bureau or his/her designee. Existing required and approved automatic supervised fire alarm systems which do not currently transmit the presence of an alarm condition directly to the Village of La Grange Park Fire Department alarm board, shall be modified to do so in accordance with the following:

- (1) No later than January 1, 2005; or
- (2) Upon replacement of the main fire control panel; or
- (3) Upon installation of an automatic fire suppression system; or
- (4) Upon an alteration or building improvement whereby the cost of modifications would be greater than 50% of the value of the structure.
- (5) Upon a change of ownership or change of use of the structure.

(I) Addressable type automatic fire alarm systems (new or replacement systems) are required under the following conditions:

- (1) Where buildings are greater the three (3) stories in height; or
- (2) Where any one story of a building is greater than 10,000 SF; or
- (3) In all A1, A2, E, I1, I2, I3, R1 type occupancies.

(J) All required approved automatic supervised fire alarm systems shall be equipped with detection devices, which shall be located in all public or common areas, hidden or inaccessible areas, as well as any hazardous areas. Other specific locations properly protected by automatic fire sprinklers may not require additional detection devices, in addition to the sprinklers provided, at the discretion of the Chief of the Fire Prevention Bureau. The alarm notification devices shall be installed so as to provide proper and required audible and visual warning of fire from any location within the entire building. All approved automatic supervised fire alarm systems, in all use groups and all buildings, shall also be equipped with manual pull stations at all ground level exterior exits from the structure as well as at all exit doors from common areas

to stairwells serving as exit passageways or means of egress components. Notwithstanding, the foregoing manual pull stations are not required in R-3 Use Groups where each separate living space is equipped with an exterior exit or R4 Use Groups.

(K) Any persons installing an automatic fire alarm system or a required approved automatic supervised fire alarm system within any building, shall obtain a permit issued by the Chief of the Fire Prevention Bureau or his/her designee(s). Permit fees and associated review and inspection fees shall be paid as set forth in the fee schedule. Permit applications and instructions for installation shall be obtained from the Fire Prevention Bureau at the Village Hall during normal business hours. Applications shall be submitted at the time the plan(s) are submitted. Three (3) sets of plans, cut sheets, calculations or any other information must be submitted at the time of application. No permit shall be issued without a complete review of all required submittal item(s) and the application fee being received.

(L) By application for permit to install an automatic fire alarm systems or required approved automatic supervised fire alarm system, the applicant shall agree to follow all requirements set forth in the Fee Schedule of the Village Code. The minimum requirements as listed on the application forms shall be followed for all installations. Applications shall be accompanied by all required submittal material as specified within the application documentation.

(M) shall be performed by licensed Fire Alarm installers or companies having licensed installers on staff. All 110/220volt electrical power supply connections shall be installed by Licensed Electricians. All wiring shall conform to the requirements of National Fire Protection Association (r), NFPA 72 National Fire Alarm Code, of the National Fire Codes (r), and NFPA-70 the National Electrical Code. In addition, the minimum wire size for all audio-visual devices shall be 14-gauge solid wire. For all other devices, the minimum wire size shall be 18-gauge solid wire. The maximum voltage drop (IR) for all indicating circuits shall not exceed ten percent (10%) of the rated voltage.

(N) In addition or in lieu of review/inspection by the fire department, automatic fire alarm and automatic suppression system plans may be subject to a fire protection consultant review. The permit applicant shall be responsible for all fees and charges associated with this review as required by the Village's Cost Recovery Policy, and/or as duly noted in the Fee Schedule.

(O) Prior to any new or required automatic or manual fire alarm system being placed into service, it shall be inspected by and tested in the presence of the Chief of the Fire Prevention Bureau or his/her designee(s). A minimum of forty-eight (48) hours notice shall be provided to the Bureau of Fire Prevention prior to any required inspections and testing.

(P) All installations requiring that system wiring be installed underground, shall require that any wiring run underground shall be enclosed or protected by an approved conduit being either PVC or rigid type conduit. All joints and elbows shall be properly sealed to prevent penetration of water and other elements. Where wires, conduits and joints penetrate a structure's wall or foundation, the stub point shall be properly sealed to prevent penetration of water and other elements. All underground wiring shall be at least twenty-eight inches (28") below final grade and shall be inspected prior to being buried by the installer.

(Q) In all installations where wire is run through walls or in a vertical or horizontal fashion between floors and ceilings, the wire shall be protected by approved metal conduit within the wall. In applications where the wire will be on the outside of the wall, an approved external conduit shall be used, up to 7' above the floor. All wire outside of pipe must be properly protected from damage, and secured in an approved manner in accordance with all codes and manufacture's specifications.

(R) All smoke and heat detectors for all residential occupancies except existing one and two family residential shall be operated by 120-volt house current with battery back up capabilities. The wiring method shall provide for easy removal and replacement of each detector. All smoke detectors shall have indicating lights that illuminate when the detector activates. When smoke detectors are installed in any location not generally visible from the floor area, remote-indicating lights shall be installed in locations approved by the Chief of the Fire Prevention Bureau or his/her designee. The type of smoke detectors used, shall be approved by the Chief of the Fire Prevention Bureau or his/her designee prior to installation. The installation of safety guards over alarm initiating devices may be required where such devices are subject to damage or frequent accidental and/or malicious activation.

(S) All approved new and required automatic and manual detection equipment shall be of the type to give immediate notification. Design criteria to be used in NFPA-72, of the National Fire Protection Association, National Fire Codes, 1999 edition.

(T) The key required to gain access to the Fire Alarm Control Panel (FACP) to operate, reset and shut off the system shall be provided to the Chief of the Fire Prevention Bureau upon installation of any fire alarm system. This key will remain in the key box mounted at the property. Keys for the Fire Alarm Control Panel (FACP) shall not be provided to residents of the building or other persons except personnel responsible for operation and maintenance of the alarm system. All Fire Alarm Control Panels shall be capable of silencing the audible notification signal without resetting the panel; the silencing switch/button shall be a single switch or button requiring no access codes or special knowledge. The reset switch/button shall be a single switch or button requiring no access codes or special knowledge.

(U) Inspection, testing, and maintenance frequency shall be performed by a licensed fire alarm contractor. Systems shall be inspected annually, or more frequently if required by NFPA-72, of the National Fire Protection Association, National Fire Codes, 1999 edition. Systems shall be cleaned when necessary. Documentation relative to the foregoing requirements shall be filed with the Village's Fire Prevention Bureau within thirty (30) days. If a system malfunctions or otherwise requires repairs, the building owner/agent and/or occupant shall be responsible for immediately contacting the proper fire alarm contractor or electrician to complete necessary repairs. Repairs shall be completed as soon as possible, but no later than twenty-four (24) hours after the need for repairs is discovered.

Any automatic fire alarm systems that transmit any false alarms or false trouble alarms may be taken out of service by the La Grange Park Fire Department. At the discretion of the Chief of the Fire Prevention Bureau or his/her designee, required automatic fire alarm systems that are taken



## **§ 1.10 AUTOMATIC SUPERVISED FIRE SUPPRESSION SYSTEMS**

(A) All new construction that is equal or greater than the "total building area" criteria established in Table 1.10A shall be fully protected with an approved automatic supervised fire protection system complying with NFPA-13, 1999 edition. Where any part of the structure has a use group or occupancy type meeting the criteria listed in Table 1.10A, and the use group classification or occupancy type is in only a portion of the building, the entire building shall be fully protected by the approved automatic supervised fire protection system complying with NFPA-13, 1999 edition and this code.

Exception: R-3 and R-4 Type Occupancies.

(B) All new R-3 and R-4 type occupancies shall be fully protected with an approved automatic supervised fire protection system complying with NFPA-13D, 1999 edition.

(C) Any modifications to any existing structure, whereby the use group classification or occupancy type (as defined in BOCA) within a structure or portion thereof changes, and the structure meets or exceeds the criteria established in Table 1.10A, shall result in the requirement that the entire structure be fully protected by an approved automatic supervised fire suppression system complying with NFPA-13, 1999 edition and this code.

- Exceptions:*
- (1) Where the use group classification or occupancy type changes to a B (Business) or M (Mercantile) classification; and
  - (2) The total area involving the change of use is less than 5,000 square feet; and
  - (3) No other provisions of code would otherwise require the structure to be sprinklered.
  - (4) R-3 and R-4 Type Occupancies.

(D) Any modifications to any existing structure, whereby the height and/or area of a structure is increased and the structure meets or exceeds the criteria established in Table 1.10A, shall result in the requirement that the entire structure be fully protected by an approved automatic supervised fire suppression system complying with NFPA-13, 1999 edition and this code.

- Exceptions:*
- (1) R-3 and R-4 Occupancies.
  - (2) Where the height of a building is increased due to the roof of a structure being altered, and there is no useable space for storage, mechanical, or occupants created by the alteration.

(E) Any modifications to any existing structure, whereby the cost of modifications would be greater than 50% of the value of the structure, and the structure meets or exceeds the criteria established in Table 1.10A, shall result in the requirement that the entire structure be fully protected by an approved automatic supervised fire protection system complying with NFPA-13, 1999 edition and this code.

*Exceptions:* R-3 and R-4 Type Occupancies.

(F) Separation and fire walls shall not be used to reduce the building's total area so that sprinkler protection is not required.

(G) All buildings required to be protected by an approved automatic supervised fire alarm system and having an automatic suppression system shall be equipped with an approved automatic supervised fire alarm system panel. All such required automatic supervised fire alarm systems shall automatically transmit the presence of water flow alarm or valve tamper alarm conditions in accordance with alarm transmission requirements as noted in Section 1.9 of this Chapter.

(H) All buildings required to have an installed fire suppression system as defined in Table 1.10A, shall be required to have all occupied rooms of all buildings protected with sprinklers, including all bathrooms and closets.

*Exception:* Buildings protected by NFPA 13D systems.

(I) All required approved automatic supervised fire suppression systems, shall comply with all codes and standards set forth in this Chapter, as well as meet minimum standards of professional installation specifications as set forth by the manufacturer of the equipment being installed.

(J) Fire Pumps shall be installed in accordance with NFPA-20. All fire pump installations shall be enclosed within a minimum two (2) hour fire-rated assembly, and all manual sprinkler control valves shall be enclosed within a minimum one (1) hour fire-rated assembly, excluding those pumps and valves installed in accordance with NFPA 13D systems.

*Exceptions:* Existing fire pump installations, existing sprinkler control valve installations, and sprinkler control valves installed in non-hazardous areas when sprinkler systems are installed into existing buildings.

(K) All pump test headers shall have an OS&Y control valve.

(L) Where approved automatic supervised fire protection systems are required in Table 1.10A, the sprinkler riser valve and fire pump rooms shall be equipped with both exterior and interior access doors. If a condition exists in an existing structure that may prohibit this requirement from being adhered to, this requirement may be modified based upon approval of the Chief of Fire Prevention.

(M) All required approved automatic supervised fire suppression systems, shall be equipped with water flow alarm detection devices or water flow switch alarms, which shall be located in easily accessible areas. Any multiple story building having a required automatic supervised fire protection system, shall be equipped with floor control valves with water flow switches for each floor. Water flow detection devices and water flow switch alarms shall be properly installed so that an activation of one or more sprinklers causes the flow switch alarm to actuate. Upon activation of a water flow switch alarm, the Fire Alarm Control Panel shall activate and cause audible and visual warning devices to activate in accordance with NFPA 72. Upon activation of a

water flow switch alarm, the Fire Alarm Control Panel shall automatically transmit the presence of the water flow alarm condition in accordance with alarm transmission requirements as noted in Section 1.9 of this Chapter. In cases where a waterflow switch is installed on a NFPA 13D system, and no fire alarm panel exists, the waterflow switch shall activate all smoke detectors, or activate an interior 110v 6" bell. A 6" bell shall be installed on each furnace return duct, or if no return duct exists, in another approved location.

(N) All sprinkler system control valves installed on required approved automatic supervised fire protection system shall be supervised by water valve tamper switch alarms, excluding those installed on NFPA 13D sprinkler systems. Control valves installed on NFPA 13D systems shall be secured in the open position. Water valve tamper switch alarms shall be located in easily accessible areas and properly installed so that the closing of any sprinkler system control valve causes a water valve tamper switch alarm to actuate. Upon actuation of a water valve tamper switch alarm, the Fire Alarm Control Panel shall activate and automatically transmit a trouble alarm or supervisory signal, in accordance with NFPA 72, 1999 edition. All sprinkler system control valves including but not limited to shutoff valves and inspectors test valves shall be properly labeled for quick identification. Labels shall consist of an approved permanent sign having lettering in contrast to the background color. Signs shall have letters which state the name and or description of the valve i.e.; "SPRINKLER SHUT OFF VALVE", or "INSPECTORS TEST VALVE". All signs shall be installed prior to final acceptance of any installed fire protection equipment. All signage shall comply with NFPA standards 13, 14 and 20.

(O) All required approved automatic supervised fire suppression systems, shall be equipped with an outside audio & visual notification device located over or near the fire department connection. Audible notification devices shall consist of an approved outdoor rated bell, powered by the house electrical current from the water flow switch. Visual devices shall consist of a strobe light indicator rated for outdoor use, or otherwise protected from the weather, and shall operate on water flow only powered through the fire alarm system control panel. For NFPA 13D systems, the exterior audio/visual notification device shall be a horn/strobe rated for exterior use, and be located on the street side of the building in an approved location.

(P) Minimum water supply pipes for fire suppression systems shall be no less than six inches (6") in diameter. There shall be at least one approved fire hydrant within one hundred (100) feet of the fire department connection on any building having a required automatic sprinkler system. All underground piping installed in conjunction with required automatic fire suppression systems, shall comply with all locally adopted codes, standards and ordinances.

*Exception:* Existing and new R3 and R4 type occupancies.  
Existing R2 type occupancies.

(Q) Back flow prevention devices, shall be installed on all automatic fire protection systems and standpipe systems. The type of device shall be approved by the Chief of the Fire Prevention Bureau and shall be installed on all systems that are directly connected to the municipal water source. In systems that are served by a fire pump, every effort shall be made to ensure the device is installed on the discharge/output side of the fire pump; this requirement may be modified by

the Chief of the Fire Prevention Bureau. All back flow prevention devices used in conjunction with required automatic fire protection systems and standpipe systems, shall be certified as often as required by state, county and local plumbing codes. Copies of the certification documents shall be provided to the Fire Prevention Bureau annually and posted at the main sprinkler riser.

(R) In addition to NFPA requirements for rack storage, all warehouse and storage areas shall be provided with 2 1/2" NST fire hose valves at each door entrance to the warehouse and/or storage areas. These valves shall be equipped with a 2 1/2" NST X 1 1/2" NST reducer. Additional 2 1/2" NST fire hose valves shall be located so that no portion of the warehouse and/or storage area is more than 120' maximum travel distance to a fire hose valve. When submitting plans for such systems, the location of all obstructions and/or racks shall be indicated on the drawing.

The fire hose valves system piping shall be:

- (1) A separate riser piping system, or another piping arrangement that meets the requirements of NFPA 13.
- (2) Hydraulically calculated for a minimum of 250 gpm at 65 psi to the most hydraulically remote fire hose valve.
- (3) Where system pressures exceed 100 psi, field adjustable pressure reduction type valves shall be installed, of a design approved by the Chief of the Fire Prevention Bureau.

(S) Any persons wishing installation of an approved automatic supervised fire suppression system or a required approved automatic supervised fire alarm system, shall obtain a permit issued by the Chief of the Fire Prevention Bureau or his/her designee(s). Permit fees and associated review and inspection fees shall be paid as set forth in the fee schedule. Permit applications and instructions for installation can be obtained from the Fire Prevention Bureau at the Village Hall during normal business hours. Applications shall be submitted at the time the plan(s) are submitted. Three (3) sets of plans, cut sheets, calculations or any other information must be submitted at the time of application. No permit shall be issued without a complete review of all required submittal item(s) and the application fee's received. Permits must be displayed at the site of work throughout the duration of the project. Scheduled inspections may be conducted during the different phases of the project.

(T) By application for permit to install an approved automatic supervised fire suppression system, the applicant shall agree to follow all requirements set forth in the Fee Schedule of the Village Code. The minimum requirements as listed on the application forms shall be followed for all installations. Applications shall be accompanied by all required submittal material as specified within the application documentation.

(U) Installations of all required automatic supervised fire suppression systems shall be performed by properly licensed and qualified fire protection companies.

(V) The permit applicant shall be responsible for all fees associated with this review as required by the Village's Cost Recovery Policy, and/or as duly noted in the Fee Schedule.

(W) All A, E, I, and R type occupancies which are required to be protected with an automatic fire suppression system, shall be provided with residential and/or quick response sprinklers in public areas.

(X) All automatic supervised fire suppression systems shall have on the drawings, a copy of the hydraulic nameplate placed next to each hydraulically calculated area.

(Y) Prior to any new or required approved automatic supervised fire suppression system being placed into service, it shall be inspected by and tested in the presence of the Chief of the Fire Prevention Bureau or his/her designee(s). Any required fire alarm systems providing supervision for required fire suppression systems, shall be properly operating and transmitting signals in an approved manner prior to any and all required inspections and testing involving tamper switches, water flow alarms, and notification devices which are part of the system. A minimum of forty-eight (48) hours notice shall be provided prior to any required inspections and testing.

(Z) The key(s) required for access to any sprinkler system valve rooms, or locks securing valves shall be provided to the Chief of the Fire Prevention Bureau upon installation of any sprinkler system or at the time of updating of said keys. Any submitted key(s) shall remain in the key box mounted at the property. Keys for this purpose shall not be provided to residents or other persons except personnel responsible for operation and maintenance of the alarm system. Doors leading directly into sprinkler system valve rooms shall be properly labeled. Labels shall consist of lettering that is contrasting in color to the background. Letters shall be at least two (2") inches in height in capital lettering and shall state; "SPRINKLER CONTROL VALVE ROOM", "FIRE PUMP ROOM", or an approved equivalent.

(AA) Each person or entity having an approved automatic supervised fire suppression system, shall be responsible for any false alarms transmitted by the system which he/she operates or maintains. Inspection, testing, and maintenance shall be performed by a qualified fire protection professional at least annually, in accordance to NFPA 25. A more frequent inspection, testing, and maintenance schedule may be warranted based on system conditions and/or hazard assessment as deemed necessary by the Chief of the Fire Prevention Bureau. Documentation of all inspections, testing, and maintenance shall be filed with the Village's Fire Prevention Bureau within thirty (30) days of such.

If a system malfunctions or otherwise requires repair, the building owner and/or occupant shall be responsible for contacting the proper personnel to complete repairs. Any repairs to fire suppression systems shall be corrected with the system placed back into full operable service as soon as possible, but no later than within eight (8) hours of the time it was discovered to be in need or repair.

**Table 1.10A**

**OCCUPANCIES REQUIRING AUTOMATIC FIRE SUPPRESSION SYSTEMS  
BY OCCUPANCY TYPE CLASSIFICATION AND TOTAL BUILDING AREA**

<b><u>OCCUPANCY TYPE</u></b>	<b><u>WHERE REQUIRED</u></b>
A-1 Assembly (Theaters)	Required in all
A-2 Assembly (Nightclubs and similar uses)	Required in all
A-3 Assembly (Lecture halls, rec. centers, restaurants, not nightclubs)	Required in all
A-4 Assembly (Churches)	Required in all
B Business	Required (>2000 SF)
E Educational	Required in all
F-1 Factory & Industrial (Moderate)	Required in all
F-2 Factory & Industrial (Low)	Required in all
H High hazard	Required in all
I-1 Institutional (Residential care)	Required in all
I-2 Institutional (Incapacitated)	Required in all
I-3 Institutional (Restrained)	Required in all
M Mercantile	Required (>2000 SF)
R-1 Residential (Hotels)	Required in all
R-2 Residential (Multiple-family)	Required in all
R-3 Residential (Attached single family)	Required in all
R-4 Residential (One & Two Family Dwellings)	Required in all
S-1 Storage (Moderate)	Required (>2000 SF)
S-2 Storage (Low)	Required (>2000 SF)
U Utility (Miscellaneous)	Required (>2000 SF)

**§ 1.11 STANDPIPE SYSTEMS**

(A) Supervised Automatic standpipe systems shall be installed in accordance with NFPA 14, Standard for the Installation of Standpipe and Hose Systems 1996 edition, as well as all provisions within this Chapter, and Section 1.10 of this Chapter, throughout all buildings in which the floor level of the highest story is located more than two stories above the lowest level of the fire department vehicle access or in which the floor level of the lowest story is located more than two stories below the highest level of fire department vehicle access.

(B) Supervised Automatic standpipe systems shall be installed in accordance with NFPA 14, Standard for the Installation of Standpipe and Hose Systems 1996 edition, as well as all provisions within this Chapter, and Section 1.10 of this Chapter, throughout all buildings where any portion of the building floor area is greater than one hundred fifty (150) feet of travel from the nearest point of fire department access via a hard surface pavement. All required standpipe systems shall be installed in a location determined by the Chief of the Fire Prevention Bureau or his/her designee prior to any installation.

(C) Any persons wishing installation of a required standpipe system within any building, other than one and two family residential, shall obtain a permit issued by the Chief of the Fire

Prevention Bureau or his/her designee(s). Permit fees and associated review and inspection fees shall be paid as set forth in the fee schedule. Permit applications can be obtained from the Fire Prevention Bureau at the Fire Department during normal business hours.

(D) Doors leading directly into standpipe system valve rooms shall be properly labeled. Labels shall consist of lettering red in color with a white background. Letters shall be at least two (2") inches in height in capital lettering and shall state; "STANDPIPE CONTROL VALVE ROOM". Notwithstanding the foregoing, individual letters may be used to properly label doors without a label background color when letter size and color complies with this subsection.

(E) Standpipe cabinets shall be properly labeled. Standpipe cabinets shall have labels that identify the cabinet as: "FIRE DEPARTMENT STANDPIPE CONNECTION". Labels and lettering shall comply with subsection D above.

(F) All Standpipe system control valves including but not limited to shutoff valves shall be properly labeled for quick identification. Labels shall consist of an approved permanent sign having lettering red in color with a white background. Signs shall have Letters that state the name and or description of the valve i.e.; "STANDPIPE SHUT OFF VALVE". All signs shall be installed prior to final acceptance of any installed fire protection equipment. All signage shall comply with NFPA standards 13, 14 and 20.

(G) Inspection, testing and maintenance shall be performed by a licensed fire protection contractor according to NFPA 14 and 25. Hydrostatic and flow testing will be performed according to NFPA 25 every 5 years. Documentation of all inspections shall be filed with the Village's Fire Prevention Bureau within (30) days of the inspection(s). If a system malfunctions or otherwise requires repair, the building owner and/or occupant shall be responsible for contacting the proper contractor to complete the job within eight (8) hours of the discovery.

#### **§ 1.12 PORTABLE FIRE EXTINGUISHERS**

(A) Portable fire extinguishers shall be installed in accordance with NFPA 10, Standard for Portable Fire Extinguishers 1998 edition, and in accordance with the following:

- (1) In all new and existing occupancies within all BOCA use groups with the exception of R-3 & R-4.
- (2) Proper and approved types of fire extinguishers shall be installed in quantities and placement in accordance with NFPA 10, Standard on Portable Fire Extinguishers. When the NFPA Standard does not indicate a type of required fire extinguisher, an ABC type dry chemical fire extinguisher having a listed rating of at least 2A and 10BC shall be required. Acceptable fire extinguishers having the minimum allowable rating of 2-A 10-BC, shall have no less than ten (10) pounds of extinguishing agent. When the above NFPA Standard does not indicate a maximum travel distance to a fire extinguisher for an occupancy type not listed, the maximum travel distance shall not exceed fifty feet (50').
- (3) All restaurants and commercial food preparation facilities which have a commercial kitchen hood and duct system, as well as required supervised commercial kitchen hood and duct automatic fire protection system, shall be

equipped with a Class-K rated fire extinguisher. In instances where there is more than one (1) fire protection system control box, there shall be one (1) approved Class-K rated fire extinguisher for each fire protection control box location. Required fire extinguishers shall be installed in accordance with NFPA 10, Standard for Portable Fire Extinguishers 1998 edition. All restaurants and commercial food preparation facilities having required Class-K rated fire extinguishers shall be responsible for the removal of any and all "NON" Class-K rated fire extinguishers from all food preparation facilities or cooking areas. The use of non Class-K rated fire extinguishers in food preparation facilities or cooking areas equipped with required supervised commercial kitchen hood and duct, automatic fire protection systems shall be strictly prohibited.

(B) All required portable fire extinguishers shall be re-certified, tagged, and re charged as needed by a licensed and approved Fire Extinguisher Company at least annually or more often as needed due to usage or failure. Only companies holding licensure from the Office of the Illinois State Fire Marshal shall be acceptable for performing this task.

(C) When fire extinguishers are housed within approved cabinets, the cabinet shall be easily identifiable as well as visible from common areas. If required by the Chief of the Fire Prevention Bureau or his/her designee, cabinets shall be properly labeled on the front and/or sides with approved labeling methods that easily identify the cabinet as containing a fire extinguisher available for use. All fire extinguisher cabinets shall be easily accessible to building occupants or bystanders. Newly installed fire extinguisher cabinets shall be manufactured without the use of glass panels. Fire extinguisher cabinets shall be made completely of plastic or other manufactured products that will not easily cause harm or bodily injury to the person accessing the cabinet. Any cabinet installed within a Rated Fire Wall shall be properly finished with approved fire stopping material to protect the integrity of the fire rated wall.

### **§ 1.13 COMMERCIAL KITCHEN HOOD AND DUCT VENTILATION SYSTEMS**

New commercial kitchen hood and duct ventilation systems shall be installed in accordance with NFPA 96 1998 edition and BOCA International Mechanical Code 1998 edition, Chapter 5, Sections 506, 507, 508, and 509 in all commercial food preparation facilities and restaurants that serve or prepare food using commercial or residential cooking equipment. All existing commercial kitchen hood and duct ventilation systems in all commercial food preparation facilities and restaurants that serve or prepare food using commercial or residential cooking equipment shall whenever possible comply with BOCA International Mechanical Code 1998 edition, Chapter 5, Sections 506, 507, 508, and 509.

### **§ 1.14 AUTOMATIC FIRE SUPPRESSION SYSTEMS FOR COMMERCIAL KITCHEN HOOD AND DUCT SYSTEMS**

(A) All new commercial kitchen hood and duct systems required by this Chapter 1, shall be fully protected by an approved, UL300 Standard compliant, supervised commercial kitchen hood and duct automatic fire suppression system installed in accordance with BOCA International Mechanical Code Chapter 5, Section 509 and NFPA 17A, Standard for Wet Chemical Extinguishing Systems, as within the Village Code.

(B) Upon one (1) year from adoption of this code, all existing commercial kitchen hood and duct systems required by Chapter 24, shall be fully protected by an approved, UL300 Standard compliant, supervised commercial kitchen hood and duct automatic fire suppression system installed in accordance with BOCA International Mechanical Code Chapter 5, Section 509 and NFPA 17A, Standard for Wet Chemical Extinguishing Systems, as adopted within the Village Code.

(C) All required supervised commercial kitchen hood and duct automatic fire suppression systems shall be interconnected to the building fire alarms system.

(D) Any installation of a required supervised commercial kitchen hood and duct automatic fire suppression system, shall require a permit issued by the Chief of the Fire Prevention Bureau or his/her designee(s).

(E) All plans for required supervised commercial kitchen hood and duct automatic fire suppression systems, shall be submitted to the La Grange Park Fire Department for review and approval by the Chief of the Fire Prevention Bureau or his/her designee(s) prior to any installation or modification. Required supervised commercial kitchen hood and duct automatic fire suppression system plans may be submitted to a private fire protection consultant for review. The permit applicant shall be responsible for all fees associated with this review as required by the Village's Cost Recovery Policy, and/or fee schedule.

(F) Prior to any new or required commercial kitchen hood and duct automatic fire suppression system being placed into service, it shall be inspected by and tested in the presence of the Chief of the Fire Prevention Bureau or his/her designee(s). All said supervised interconnected alarm systems shall be connected directly to the La Grange Park Fire Department alarm board as designated by the Chief of the Fire Prevention Bureau or his/her designee prior to any and all required inspections and testing. A minimum notice of forty-eight (48) hours shall be provided prior to any required inspections and testing.

(G) Each person or entity having a required commercial kitchen hood and duct automatic fire suppression system, shall be responsible for any false alarms transmitted by the system which he/she operates or maintains. Any failures of the automatic fire suppression system shall be corrected and the system placed back into full operable service prior to continuation of cooking by use of appliances protected by such system. Upon activation and discharge of an automatic fire suppression system, the natural gas supply to cooking devices shall be automatically shut off. The natural gas supply shall not be returned to full service until the automatic fire suppression system is restored to full operable service. Upon activation and discharge of an automatic fire suppression system Cook County Health Department shall be contacted by the La Grange Park Fire Department on the scene at the time it is determined that the automatic fire suppression system has activated and discharged. Upon activation and discharge of an automatic fire suppression system, extinguishing agent(s) shall be required to be cleaned as necessary by the Cook County Health Department, or Village of La Grange Park. The hood and duct system(s), shall be thoroughly cleaned to ensure that all discharged product has been removed. All system equipment shall be flushed or cleaned as necessary to remove product from within the system piping. Prior to any automatic fire suppression system being placed back into service, it shall be

inspected by and tested in the presence of the Chief of the Fire Prevention Bureau or his/her designee(s). A minimum notice of forty-eight (48) hours shall be provided prior to any required inspections and testing. Documentation of all servicing of the automatic fire suppression system after a failure, activation, or discharge shall be filed with the Chief of the Fire Prevention Bureau prior to continuation of cooking by use of the appliances protected by the system.

(H) Inspection, testing and maintenance frequency shall be performed by a licensed fire protection contractor. Systems shall be inspected at least twice a year, or more frequently as required by other adopted codes or standards, or system need. Systems shall be flushed or cleaned as necessary to remove sedimentation from activations. Documentation of all inspections and service of the automatic fire suppression systems shall be filed with the Chief of the Fire Prevention Bureau or his/her designee within thirty (30) days of the inspection or service.

### **§ 1.15 FIRE HYDRANTS / WATER SUPPLY**

(A) Fire hydrants shall be located along the public street and/or the property so that no portion of the building will be over 300 feet from a fire hydrant. Where this is not possible, additional hydrants shall be located on the premises accessible to motorized fire apparatus at the building owner's expense. Exception: existing buildings.

(B) One hydrant shall be located at each intersection and intermediate hydrants in between so that no two hydrants are further than 300 feet apart.

(C) Where streets or parking lots dead end, hydrants shall be placed along the access route and at the dead end of such streets.

(D) Hydrants should be so located that:

- (1) Hydrants will be located 5-10 feet from all-weather roadways. If this cannot be done, the closest part of the hydrant shall be set back at least two feet from the curb line.
- (2) Where new hydrants are installed in relation to the protection of specific buildings, they shall be located no further than 100 feet from the building to be protected.
- (3) Access to fire hydrants shall be by all weather roadways adequate in width, clearance and strength for fire fighting purposes. Such routes shall be maintained accessible during all seasons of the year. Legal provisions shall be required for private roads to assure accessibility.

(E) Fire hydrants used in conjunction with water supplies shall meet the standards of the American Water Works Association Standard No. C-502, and shall have two 2 1/2" and one 4-1/2" outlets with auxiliary gate valves on the hydrant branch line. Threads shall be American National Standard. Four and one-half inch outlets shall face roadways.

(F) Water Mains used shall be in conjunction with water supply standards of the American Water Works Association Standard, NFPA and good fire protection practice. Sound engineering

practices and required fire flow shall dictate actual size of water mains. At a minimum, these water mains shall be of the following size:

- (1) Residential - 8" diameter pipe;
- (2) Commercial/Industrial – 10" diameter pipe.

(G) Fire hydrants shall be protected from damage by approved methods when located in area subject to vehicular damage.

(H) A fire hydrant shall be located within one hundred (100) feet of any sprinkler connection, standpipe connection or any other connection that fire department apparatus may have to connect to. Exception: Existing buildings equipped with sprinkler connections.

(I) New fire hydrants or newly painted fire hydrants shall be painted and color-coded according to the following:

- (1) All village owned fire hydrants shall be painted primarily red. All privately owned fire hydrants shall be painted primarily yellow.
- (2) The caps of the hydrants shall be painted with a reflective type white paint. On steamer type hydrants, the 4-1/2" steamer cap shall be painted with such paint. On other hydrants, both 2-1/2" caps shall be painted with such paint.

The following color codes shall also be used, indicating the GPM range of flow for that particular hydrant. The bonnet of the hydrant shall be colored in accordance with the following:

- |     |            |                    |
|-----|------------|--------------------|
| (1) | Light Blue | 1500 GPM and above |
| (2) | Green      | 1000 - 1499 GPM    |
| (3) | Yellow     | 500 - 999 GPM      |
| (4) | Red        | 0 - 499 GPM        |

(J) Fire hydrants on private property shall be periodically inspected by the property owners to ensure that the hydrant(s) are in working condition, and are clear of obstructions such as trash, rocks, vegetation, snow, etc. The area cleared shall be of such size to make identification of the hydrant apparent and to allow hooking up of fire hoses and operation of the hydrant without delay. Hydrant threads shall be kept cleaned and lubricated. Caps shall be hands tightened.

(K) Owners of private fire hydrants shall allow village employees access to private fire hydrants, to periodically inspect the condition, operation, and water flow of private hydrants. During such inspection and testing, if components are found to be in need of repair, it is the responsibility of the property owner to correct the problem. If maintenance is not completed on private hydrants, the La Grange Park Fire Department may impose fines as outlined in this code. Furthermore, if it is deemed a threat to the property to have such hydrant out of service, the La Grange Park Fire Department may order repairs to such hydrant and pass such costs on to the property owner.

**§ 1.16 MATERIAL SAFETY DATA SHEETS (MSDS)**

(A) Any person, business, firm, partnership, co-partnership, or corporation within the corporate limits of the Village of La Grange Park offering for sale, displaying or exposing for sale, selling at retail or wholesale levels, providing storage of, using or possessing, or manufacturing, a product in any quantity, equal to or meeting the definition of a Hazardous Material, shall maintain MSDS for all such products at the facility site, within a location determined and approved by the Chief of the Fire Prevention Bureau or his/her designee(s). MSDS shall be accessible by and available to ALL employees, as well as suppliers, and emergency response personnel.

(B) In addition to the requirements of subsection A above, any single facility site having any one product in a quantity where the aggregate quantity of the product is equal to or greater than the criteria established in Table 1.16A, the occupant shall supply or otherwise provide a detailed comprehensive list of ALL Hazardous Materials products to the Chief of the Fire Prevention Bureau or his/her designee(s) and shall contain the following information:

- (1) Name, address, emergency telephone number(s) of business or responsible party.
- (2) Product name(s) including the chemical, manufacturer and common Names.
- (3) Product quantities both solid and liquid.
- (4) Purpose for product being on site, i.e.; product for sale, storage only, storage and consumption of product, or combining with other products for a final product.
- (5) Location on site where product is kept.
- (6) Manner by which the product is kept or stored.
- (7) Number if available.
- (8) An indication of each product's "Health hazard", "Flammability hazard", "Instability hazard", and "Unusual reactivity to water hazard" as specified by the NFPA 704 standard, 1996 edition.

(C) In any situation where a tenant is located in part of a structure occupied by other tenants, not business related to one another, or when multiple tenants within a building have different business names, each tenant or business shall comply with all portions of this ordinance in part or in whole as prescribed by the Chief of the Fire Prevention Bureau or his/her designee(s).

(D) In any situation where the property occupant or single facility is required to provide a detailed comprehensive list of ALL Hazardous Materials to the Chief of the Fire Prevention Bureau or his/her designee(s), it shall be the responsibility of the building occupant to provide current and updated MSDS for placement into the Fire Department maintained binders kept in accordance with this ordinance.

(E) It shall be the responsibility of the building occupant to contact the Fire Prevention Bureau for the purposes of updating the MSDS contained within Fire Department maintained binders as often as required due to change in product, product quantity, and/or change of location where the product is stored within the structure.

(F) In any structure referenced in subsection B above may, at the discretion of the Chief of the Fire Prevention Bureau or his/her designee be required to provide, install and maintain at the

building owners expense, a NFPA 704 compliant placard which shall be installed to the permanent structure which contains the products as described in Table 1.16A. Any required placards shall be installed in accordance to all applicable codes and standards. Additionally all required placards shall be installed and maintained in locations prescribed by the Chief of the Fire Prevention Bureau or his/her designee. All required placards shall properly identify the most harmful individual hazard by each category. One single placard shall be installed per occupant when multiple occupants occupy an entire building. Lettering and numbering shall conform to all applicable codes and standards as well as the requirements of the Chief of the Village's Fire Prevention Bureau or his/her designee.

**Table 1.16A**  
**HAZARDOUS MATERIAL QUANTITY LIMITS**

EXPLOSIVES: Not Permitted/Any Quantity  
COMPRESSED GASES: Any Quantity  
FLAMMABLE LIQUIDS:  
    CLASS - IA Any Quantity (liquid)  
    CLASS - IB Any Quantity (liquid)  
    CLASS - IC Any Quantity (liquid)  
COMBINATION - IA, IB, & IC Any Quantity (liquid)  
COMBUSTIBLE LIQUIDS:  
    CLASS - II Any Quantity (liquid)  
    CLASS - IIIA Any Quantity (liquid)  
    CLASS - IIIB Any Quantity (liquid)  
FLAMMABLE SOLIDS: Any Quantity (Solid)  
ORGANIC PEROXIDES (Solid or Liquid):  
Unclassified detonable Any Quantity (Solid)  
    CLASS - I Any Quantity (Solid)  
    CLASS - II 5 pounds (Solid)  
    CLASS - III 10 pounds (Solid)  
OXIDIZERS: (Solid or Liquid):  
    CLASS - 4 - Any Quantity (Solid)  
    CLASS - 3 - 1 pounds (Solid)  
    CLASS - 2 - 25 pounds (Solid)  
    CLASS - 1 - 500 pounds (Solid)  
POISONS: 25 pounds (Solid) / 25 gallons (liquid)  
RADIOACTIVE MATERIALS: Any Quantity  
CORROSIVES: 100 pounds (Solid) / 50 gallons (liquid)  
(Other Regulated Materials)  
TOXIC: 75 pounds (Solid) / 75 gallons (liquid)  
HIGHLY TOXIC: Any Quantity (Solid) / Any Quantity (liquid)  
UNSTABLE (Reactive):  
    CLASS - 4 - Any Quantity (Solid) / Any Quantity (liquid)  
    CLASS - 3 - 1 pounds (Solid) / 1 gallons (liquid)  
    CLASS - 2 - 25 pounds (Solid) / 25 gallons (liquid)  
WATER REACTIVE: Any Quantity  
PYROPHORIC: Any Quantity

### **§ 1.17 HAZARDOUS MATERIALS CLEAN-UP**

(A) *AUTHORIZATION.* The Director of Fire & Building or his designee is authorized to order the cleanup, or abatement of the effects, of any hazardous materials deposited upon or into public property or facilities within the Village.

(B) *COST OF CLEAN-UP OR ABATEMENT.* Any person or persons who cause such deposits shall be liable for the payment of all costs incurred as result of such clean-up or abatement, including, but not limited to: actual labor cost of the Village personnel (including workman's compensation benefits, fringe benefits, and administrative overhead) costs of equipment operation and materials obtained directly by the Village, and other costs under this Section shall not include cost of actual fire suppression services which are normally or usually provided by the Fire Department.

(C) *PENALTIES.* The remedy provided by this Section shall be in addition to any other remedies or penalties provided by law.

### **§ 1.18 CARBON MONOXIDE DETECTORS**

Carbon Monoxide Alarms shall be required and installed in all residential occupancies, new and existing, in accordance with this section:

- (1) *Newly constructed single family & single family attached dwellings.* Carbon monoxide detectors will be required to be installed in or adjacent to (within 15 feet of) all sleeping areas. They shall be both AC and DC powered, and detectors remote to one another shall be interconnected.
- (2) *Existing single family & single family attached dwellings.* Carbon monoxide detectors shall be required to be installed in or adjacent to (within 15 feet of) all sleeping areas. They shall be either AC or DC powered.
- (3) *Newly constructed apartment buildings.* Carbon monoxide detectors shall be required to be installed within each dwelling unit in or adjacent to (within 15 feet of) all sleeping areas. They shall be both AC and DC powered, and detectors remote to one another shall be interconnected.
- (4) *Existing apartment buildings.* Carbon monoxide detectors shall be installed within each dwelling unit in or adjacent to (within 15 feet of) all sleeping areas. They shall be either AC or DC powered.
- (5) *New & existing hotels/motels.* One carbon monoxide detector shall be installed on each floor where occupants will be sleeping, in a common area as approved by the building official. An approved carbon monoxide detection system, designed to warn occupants, or sound a warning in a constantly attended location, may be installed in lieu of individual floor detectors. Floor detectors and/or systems shall be both AC and DC powered. Individual sleeping rooms, with fuel burning appliances located within the room, shall each have a carbon monoxide installed within each room, where not protected by an otherwise approved detection system.
- (6) *New & existing health care/institutional occupancies.* One carbon monoxide detector shall be installed on each floor where occupants will be sleeping, in a common area as approved by the building official. An approved carbon monoxide detection system, designed to warn occupants, or sound a warning in a constantly

attended location, may be installed in lieu of individual floor detectors. Floor detectors and/or systems shall be both AC and DC powered. Individual sleeping rooms, with fuel burning appliances located within the room, shall each have a carbon monoxide installed within each room, where not protected by an otherwise approved detection system.

### **§ 1.19 SMOKE DETECTOR REQUIREMENTS**

**Where not otherwise specified by Illinois State Statute, or other codes and ordinances adopted by the Village of La Grange Park, Illinois, the following shall be required.**

(A) At least one (1) smoke detector powered by electrical current shall be installed and maintained in operating condition in all residential units, on every level. Where more than one (1) smoke detector is installed in single family residences, they shall be interconnected so the activation of one detector sounds all detectors. Where more than one (1) smoke detector is installed in apartment buildings, all detectors within each living unit shall be interconnected, and all common area detectors shall be interconnected, so that the activation of one detector sound all detectors. The owner of the building is responsible for providing and installing smoke detectors in common areas and individual living units. The tenants of buildings are responsible for continued maintenance of the detectors, with the exception that if the detector is part of an overall building fire alarm system. In the case of individual ownership of apartment type units, the owners' association and the owner of each unit are jointly and severally responsible for such installation and maintenance.

(B) In buildings existing on or before the effective date of this article, a battery operated smoke detection device may be used in lieu of one powered by AC current. In addition, interconnection of detectors is not required. In the case of battery-operated units, the maintenance responsibility includes the replacement of batteries required to keep units in operating condition.

### **§ 1.20 ABOVE GROUND TANK STORAGE OF FLAMMABLE OR COMBUSTIBLE LIQUIDS**

The storage of flammable liquids, including gasoline, diesel fuel, kerosene, LP Gas or Propane and any other flammable liquid in above ground storage tanks is prohibited within the Village limits, except in quantities of twenty-five (25) gallons or less. Any persons wishing installation or removal of an above ground storage tank for the storage of flammable liquids, shall obtain a permit issued by the Chief of the Fire Prevention Bureau or his/her designee(s). Permit fees and associated review and inspection fees shall be paid as set forth in the fee schedule. Permit applications can be obtained from the Fire Prevention Bureau at the Fire Department during normal business hours. Liquid Propane tanks used primary for outdoor grills may be stored in locked cages outside of retail occupancies in a location approved by the Chief of the Fire Prevention Bureau. Commercial liquid propane tanks may be used while buildings are under construction for the purpose of heating the interior of the building, if properly marked with placards in accordance with the NFPA 704 System.

Exception: Above ground diesel tanks for fire pumps.

**§ 1.21 ACCUMULATION OF TRASH AND GARBAGE**

The owner or manager of any building, and their agents and employees, shall not permit any accumulation of garbage, trash, or other stored objects in, around, or upon any corridor, stairway, stairwell, or other public area.

**§ 1.22 OPEN BURNING**

(A) Open burning or the outdoor burning of rubbish or refuse such as but not limited to paint, oil, automobiles, tires, plastics, building materials, leaves, small branches, twigs, trees, paper, grass clippings, or any other type of vegetable matter shall not be permitted within the corporate limits of the Village.

(B) The following shall constitute exceptions to subsection (A) above:

- (1) Small controlled fires and burning of fuels for legitimate campfires or recreational type use shall be permitted. The La Grange Park Fire Department shall be notified prior to fires of this nature being started.
- (2) Cooking purposes, such as barbecues and grills is permitted, where such burning is consistent with applicable laws and codes, and provided that no garbage shall be burned in such cases.
- (3) Fires within approved enclosed domestic outdoor type fireplaces, where such burning is consistent with applicable laws and codes, and provided that no garbage shall be burned in such cases.
- (4) Small open flames for heating tar, sand or other construction material, or for welding, acetylene torches, highway safety flares, and the like shall be permitted.

The burning permitted in the foregoing exceptions shall not be permitted on any Village streets.

**§ 1.23 TRUSS CONSTRUCTION EMBLEM**

In order to provide critical safety information to firefighters, the following emblem requirements shall apply to new and existing structures:

(A) The truss construction emblem shall have a bright and reflective color or be made of reflective material. The shape of the emblem shall be an isosceles triangle and the size to be determined by the Village. The following letters shall be printed on the emblem in a conspicuous size and color:

- "F" to signify a floor with truss construction;
- "R" to signify a roof with truss construction; and
- "F/R" to signify both a floor and roof with truss construction.

(B) The emblem shall be permanently affixed in the left of the main entrance door at a height between 4 and 6 feet above the ground and shall be installed and maintained by the building owner. Alternative locations for the emblem may be approved by the Chief of the Fire Prevention Bureau. The sign will be provided by the Village of La Grange Park in order to maintain uniformity throughout the village.

### **§ 1.24 FIREWORKS DISPLAYS**

(A) Public displays of fireworks that shall only be allowed by permit only as provided in of the Village Code. Permits are issued by the President and Board of Trustees of the Village. Permit applications may be obtained from the Fire Prevention Bureau at the Fire Department during normal business hours.

- (1) All applications for permit for public displays of fireworks, shall be accompanied by a copy of the applicants license to posses and utilize fireworks for display purposes, and required certificates of insurance.
- (2) The Fire Department shall inspect and standby at the site of the fireworks display with a minimum staffing of one (1) engine company and one (1) ambulance. At least fourteen (14) days notice shall be given prior to any approved fireworks display. The applicant shall be responsible for cost(s) recovery of time and materials used by the Fire Department during the standby time provided.

(B) The use and storage of fireworks, explosives or blasting agents when allowed, shall comply with Chapters 30 and 31 of The BOCA Fire Prevention Code 1999 edition as well as the Village Code.

### **§ 1.25 OUTDOOR AND OTHER PUBLIC ASSEMBLY**

Anyone wishing to hold, manage or conduct any meetings, entertainment or outdoor Public assemblies of any kind within the Village of LaGrange Park, in any structure other than a building constructed and designed for such assemblies shall obtain the necessary permits and inspections from the Village and State of Illinois prior to the date of such events. Written notification to the Village must be received 10 days prior to the event. Forty-eight (48) hours notice must be given for on site inspections by all Village code enforcement departments. All NFPA and BOCA codes as well as the State of Illinois laws will apply.

### **§ 1.26 SCHOOL FIRE DRILLS**

Any school, private or public within the Village of LaGrange Park, shall conduct fire evacuation drills during school session at least twice a year. A representative from the LaGrange Park Fire Department shall be present during said drill. Prior to the drill, the Chief or his designee will contact the superintendent of the school to request approval for said drill. At the end of the drill, the Fire Department will provide a written summary of the results of the drill and provide those results to the superintendent of the school.

### **§ 1.27 APPEALS**

Any person, firm, corporation or agent shall have the right to appeal a decision of the fire code official. An application for an appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally equivalent or better method of fire prevention or protection is proposed. Equivalency must be demonstrated and proven by technical documentation which shows that the system, method, or device proposed is approved for the intended purpose, and equals or exceeds the level of fire prevention or protection afforded by this code.

Any person appealing a decision of the fire code official shall make the appeal by written notice filed in the Office of the Director of Fire and Building, 447 North Catherine Avenue, La Grange Park, Illinois 60526, within thirty (30) days from the date of the decision being appealed.

The Director of Fire and Building shall request that the Appeals Board call a hearing on said appeal within thirty (30) days of said notice of appeal filing. The Appeals Board shall consist of the Village President and Village Board of Trustees. The Appeals Board shall render a decision within ten (10) days after completing such hearing.

Nothing shall prevent the Village from seeking immediate enforcement of the regulations of this Chapter in court where the hazard involved requires such action.

### **§ 1.28 VARIATIONS**

If any person, firm, corporation or agent feels the provisions of this code constitute a unique or particular hardship relating to the use, construction or alteration of structures, a petition for a variation may be submitted. The granting of a variation may be made by the Village President and Village Board of Trustees when it shall find that documentation and evidence presented by the petitioner indicates the following:

- (1) The plight of the petitioner is due to unique circumstances.
- (2) The granting of the variation will not be detrimental to the public welfare or injurious to other adjoining properties.
- (3) Any person presently having an interest in the property has not created the alleged difficulty or hardship.
- (4) The purpose of the variation is not based exclusively upon cost.
- (5) The particular physical characteristics of the structure involved would result in an additional actual hardship upon the owner if the strict letter of the codes were carried out.

Any person requesting a variation of the fire code official shall make the request by written notice filed in the Office of the Director of Fire and Building, 447 North Catherine Avenue, La Grange Park, Illinois 60526.

The Director of Fire and Building shall request that the Village President and Village Board call a hearing on said variation within thirty (30) days of said notice of variation filing. The Appeals Board shall consist of the Village President and Village Board of Trustees. The Appeals Board shall render a decision within ten (10) days after completing such hearing.

### **§ 1.29 TEMPORARY CERTIFICATE OF OCCUPANCY**

The Director of Fire and Building shall determine that any building under construction or renovation shall be completed in a manner as described hereinafter before any occupancy whatsoever shall be permitted whether whole or in part.

Due to architectural characteristics and design it may be required that additional protection and fire separation shall be provided for the health, safety, and welfare of the occupants before any temporary occupancy is permitted, of a newly constructed or an existing building.

Temporary occupancy of a building shall be permitted only if the Director of Fire and Building deems it is safe to do so, only if applicable sections of the building code are complied with, and only if the following fire code provisions are complied with.

- (A) All required exits shall be operational, easily identified and accessible.
- (B) Adequate lighting shall be in place and in-service to properly illuminate exit paths for occupants.
- (C) All required fire extinguishers, fire sprinklers, fire alarms and other fire protection apparatus and systems shall be in place and in-service.
- (D) Occupants are adequately safeguarded against any unnecessary fire and life safety hazards that exist.

**§ 1.30 FEE SCHEDULE**

- (A) *New Fire Alarm Systems*  
(Plan review fee includes one re-review and initial inspection / acceptance test)  
  
\$35.00 base permit fee, and  
\$75.00 plan review fee for initial hour.  
  
\$35.00 plan review fee for each additional hour, or for re-reviews not included as part of initial plan review fee.  
  
\$35.00 re-inspection fee when initial acceptance testing fails or is not ready when inspection is scheduled.
- (B) *New Fire Sprinkler Systems*  
(Plan review fee includes one re-review, one hydrostatic test and initial inspection / acceptance test)  
  
\$35.00 base permit fee, and  
\$150.00 plan review fee for systems of 100 sprinklers or less, or  
\$150.00 plan review fee plus \$.50 per sprinkler for systems with more than 100 sprinklers.  
  
\$35.00 plan review fee for each additional hour, or for re-reviews not included as part of initial plan review fee.  
  
\$35.00 re-inspection fee when hydrostatic and/or initial acceptance testing fails or is not ready when inspection is scheduled.
- (C) *New alternative Extinguishing Systems*  
(Plan review fee includes one re-review and initial inspection / acceptance test)

\$35.00 base permit fee, and  
\$75.00 plan review fee for initial hour.

\$35.00 plan review fee for each additional hour, or for re-reviews not included as part of initial plan review fee.

\$35.00 re-inspection fee when initial acceptance testing fails or is not ready when inspection is scheduled.

- (D) *Fire Pumps*  
(Plan review fee includes one re-review and initial inspection / acceptance test)

\$35.00 base permit fee, and  
\$100.00 plan review fee.

\$35.00 per hour to witness required additional testing

- (E) *New Standpipe Systems*  
(Plan review fee includes one re-review, one hydrostatic test and initial inspection / acceptance test)

\$35.00 base permit fee, and  
\$100.00 plan review fee for systems with one riser, and  
\$35.00 plan review fee for each additional riser.

\$35.00 plan review fee for re-reviews not included as part of initial plan review fee.

\$35.00 re-inspection fee when hydrostatic and/or initial acceptance testing fails or is not ready when inspection is scheduled.

- (F) *Alterations to Building, Fire Suppression and/or Fire Alarm Systems*  
(Plan review fee includes one re-review and initial inspection / acceptance test)

\$35.00 base permit fee, and  
\$50.00 plan review – initial hour.

\$35.00 plan review fee for each additional hour, or for re-reviews not included as part of initial plan review fee.

\$35.00 re-inspection fee when testing fails or is not ready when inspection is scheduled.

- (G) *Reviews By Outside Agency or Consultant.* Where the scope of a project, the availability and/or ability of fire department and/or building department staffing, or other factors warrant, the Director of Fire and Building may secure the assistance of outside fire protection professionals

for plan review, consulting and associated services. These costs shall be the responsibility of the owner of the property where the work is being undertaken.

(Plan review fee includes one re-review, initial inspection / acceptance testing, and one re-inspection)

\$35.00 base permit fee, and  
Cost of plan review and/or services, and  
15% of plan review cost as an Administrative Fee.

\$35.00 re-inspection fee when initial acceptance testing fails or is not ready when inspection is scheduled.

(H) *Storage Tanks (Above or Below Grade)*

\$35.00 base permit fee, and  
\$100.00 per tank for above or below grade permanent installation, or  
\$100.00 per tank for below grade removal, or  
\$50.00 per tank for temporary above grade installation; (180 days).