

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL WORKSHOP
JUNE 9, 2009 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
Fire Prevention Code Amendment	Resolution ✓ Ordinance Motion Discussion Only	Philip Ruscetti, Fire Chief

SYNOPSIS

An ordinance has been prepared amending sections of the Fire Prevention Code to clarify when fire alarms and fire detection systems are required to be installed in existing buildings.

STRATEGIC PLAN ALIGNMENT

The Five Year Plan and Goals for 2008-2013 identifies *Exceptional Municipal Organization*. A supporting objective is *Continuously looking for opportunities, innovations, and ways to improve management and service delivery*.

FISCAL IMPACT

N/A

RECOMMENDATION

Approval on the June 16, 2009 active agenda.

BACKGROUND

Staff continuously monitors customer service related to the application of building codes and related regulations. Recently staff identified that existing portions of the Fire Prevention Code are difficult to understand and apply in a consistent manner. This is due primarily to a lack of clarity in the code regarding “triggers” for installation of fire alarms and fire detection systems in existing buildings. Staff proposes amendments to the Fire Prevention Code to clarify when fire alarms and fire detection systems are required to be installed in existing buildings. The proposed amendments are not intended to change the required level of fire protection within buildings.

The current Fire Prevention Code states that fire alarms and fire detection systems are required in existing non-residential buildings. However, the Code does not clearly indicate what circumstances trigger the installation of these items in existing non-conforming buildings. The proposed amendment clearly indicates the circumstances that trigger the installation of fire alarms and fire detection systems in existing non-conforming buildings. Fire alarms and fire detection systems would be required in existing buildings when the following circumstances apply:

- The building, occupancy, tenant or suite undergoes a change in use that *elevates the level of risk to life and property*, such as a significant increase in the anticipated daily occupancy or in the content load from a prior load level of the same general content. A change that poses greater risk to life or property would be required to be improved with fire alarms and fire detection systems.
- The building, occupancy, tenant or suite undergoes the addition of usable floor space, or change in use which *increases the hazard level* in the area in any manner as established by at least one NFPA Standard or IBC Code. An example of this situation would be if an existing building changed from storage of a predominantly benign nature to storing largely volatile or hazardous materials.
- The building, occupancy, tenant or suite undergoes *any significant remodeling*, amounting to 35% or

greater of the existing floor area. In the event that remodeling or reconstruction exceeds 35% of the total square footage of the building, the building would be required to be improved with the appropriate fire alarms and fire detection systems.

Any one of the above three triggers would cause the need for installation or upgrade of the fire alarm and detection systems. When identifying the need for the installation of a manual fire alarm and automatic fire detection system, Village staff will identify the specific rationale for the required upgrade.

ATTACHMENTS

Ordinance

Fire Prevention

ORDINANCE NO. _____

AN ORDINANCE MAKING CERTAIN AMENDMENTS TO THE FIRE PREVENTION CODE

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by **shading/underline**; deletions by ~~strikeout~~):

Section 1. That Section 17.45. is hereby amended to read as follows:

17.45. Same--Amendments.

The deletions from and modifications and amendments to the Fire Prevention Code are as follows:

(1) Section 108.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

108.1 Appeal procedures. Any person aggrieved by any decision or interpretation of the fire official made under the provisions of this Code may take an appeal to the Building Board of Appeals in accordance with the procedures prescribed in Section 7-9 of the Downers Grove Municipal Code.

(2) Section 109.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

109.3 Violation penalties. Any person, firm or corporation violating any of the provisions of the code or failing to comply with any order issued pursuant to any section thereof shall be guilty of a petty offense, and upon conviction thereof shall be punished as provided in Section 1-15 of the Downers Grove Municipal Code. Each day that a violation continues, after a service of notice as provided for in this Code, shall be deemed a separate offense.

(3) Section 307.1 is amended as follows:

Section 307.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

307.1 General. Open burning shall be allowed only as permitted in Section 13-35 of the Downers Grove Municipal Code.

(4) Section 307.2 through 307.5.1 are deleted in their entirety.

(5) Section 503 is amended by adding the following:

503.1.4 Fire lanes on private property used by the public.

a. For private property used by the public such as schools, hospitals, churches, shopping centers, apartment complexes, office complexes, theaters, bowling alleys and similar facilities, fire lanes shall be established and designated in the locations deemed necessary by the code official. The owner or occupant of the property shall execute an agreement with the Village allowing the Village to enforce the fire lane restrictions by issuing parking tickets for vehicles illegally parked in fire lanes designated under this section. The Village Manager is authorized on behalf of the Village Council to execute agreements with property owners, lessees or managers for the enforcement of fire lane restrictions on private property. Such agreement shall be signed prior to issuance of any applicable building permits for the property.

b. Fire lanes may be established and designated on property as aforesaid where the parking of motor vehicles or other obstructions may interfere with the ingress and egress of Fire Department vehicles for the protection of persons and property.

(6) Section 503.3 is amended by adding the following to the end of the paragraph:

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Fire lanes designated pursuant to this section shall be posted by the owner of the property with signs reading substantially as follows: "No Parking Fire Lane."

(7) Section 703 is amended by adding the following section:

703.5 Marking of Assemblies. Where fire rated assemblies are installed, they shall be marked at a minimum spacing of 20 feet with appropriate labeling as approved by the authority having jurisdiction. Markings shall include the hour rating of the assembly present. Areas where penetrations in these assemblies are made shall have a label adjacent to the opening protective installed. Labels may be placed above drop ceilings and under carpeting as necessary. Labels shall be of contrasting color and lettering shall be of at least 1/2" in size, legible from the floor level where installed.

(8) Section 901.1 is amended by adding the following sentence:

All fire protection systems shall be designed and installed in accordance with the requirements of this Code and the Village Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code.

(9) Section 901.4 is amended by adding the following at the conclusion thereof:

Fire detection and alarm systems shall be installed by an approved UL listed contractor.

(10) Section 901.4.1 is amended by adding the following language at the end of this section: "and shall continue to be periodically tested pursuant to Chapter 17, Article VI of the Downers Grove Municipal Code. Before any re-occupancy, a test of the system shall be witnessed by the code official."

(11) Section 901 is amended by adding the following section:

901.9 Resetting fire alarm systems. Upon activation of a fire alarm system, the system shall not be reset (restored to a secured or clear condition) by any person until Fire Department personnel are on the scene and direct the system to be reset.

(12) Section 901 is amended by adding the following section:

901.10 Silencing fire alarm systems. Upon activation of a fire alarm system, the system shall not be silenced (alarm devices shut off) by any person until Fire Department personnel are on the scene and direct the system to be silenced.

(13) Section 902.1 is amended by adding the following definition:

SIGNIFICANT REMODELING. In areas with a total square footage of greater than one thousand five hundred (1,500) square feet, when the cost of the square footage of the remodeling or reconstruction exceeds thirty-five (35%) of the reconstruction costs of the building or structure exclusive of land and furnishings total building occupancy, tenant or suite space. Reconstruction or remodeling square footage costs shall be determined by the Code Official, based upon the latest B.O.C.A. Building Construction Statistics report. ~~Provided, the applicant, at the applicant's expense, may submit a written report prepared by a licensed architect or certified appraiser setting forth an opinion of the reconstruction costs. In such event, the Code Official shall consider such report, in addition to the B.O.C.A. Building Construction Statistics report in arriving at a determination of the reconstruction costs.~~

(14) Section 903.1 is amended by adding the following language at the conclusion thereof:

903.1 Chapter 9 of the 2000 International Building Code shall not take precedence over any fire protection or life safety system requirements of this ordinance. Any existing building or structure which exceeds the maximum area or height limits of the Downers Grove Building Code, Section 903, shall be equipped with an electrically supervised automatic fire suppression sprinkler system and fire protective signaling system throughout the building in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code and the Building Code if:

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(a) The building or structure undergoes any significant remodeling, addition of usable floor space, or change of actual use which increases the hazard level in the building in any manner in accordance with the NFPA Life Safety Code and the International Fire Code. Any existing building or structure not exceeding the maximum area limits of Section 903 that undergoes an addition of usable floor space, the addition area shall be added to the existing building area so as to determine the maximum area limits for the installation of a complete sprinkler system in the existing building or structure and the addition thereof; or

(b) The building or structure undergoes a change to a more restrictive use.

Each fire protective signaling system shall be equipped with audio/visual fire alarm warning devices located so as to be seen, and heard effectively above all other sounds, by all occupants in every occupiable space within the building. The sound level of alarm devices shall be at least 15 dBA above the ambient sound level or 5 dBA above the maximum sound level having a duration of at least sixty seconds, whichever is greater, such levels to be measured five feet above the floor level in the occupiable area.

(15) Section 903.3 is amended by adding the following section:

903.3.6.1 High rise structure connections. High rise structures shall carry a five inch storz to two - 2 1/2 inch siamese adapters as part of the high rise equipment box required under Section 911.1 of the International Building Code.

Exception: A fire department connection having the standard internal threaded swivel fittings of 2 1/2 inches NST may be substituted for the five inch storz connection with the approval of the authority having jurisdiction where system pressures may exceed hose test pressure or water supply could require an extensive hose lay to the structure.

(16) Section 903.3.7 is amended by adding the following language at the conclusion thereof:

The fire department connections shall be five inch storz type connectors compatible with the hose couplings currently used by the local fire department and connected to the riser by means of a five inch or larger piping system.

(17) Section 903 is amended by adding the following section:

903.7 Primary System Flow Switches. Where all components of a sprinkler system are individually controlled and send independent zoned alarms any main flow switches, pump running and other associated primary water flow indicators shall be connected to a supervisory zone. The primary flow indicator will be tied to the external (24 VDC) device which will be non-silenceable as required by NFPA 72 for indication of water flow.

Exception: All devices will be connected in accordance with the requirements as indicated, modification and application of this Code section is subject to the authority having jurisdiction.

(18) Section 903 is amended by adding the following section:

903.8 Dry sprinkler system. All dry pipe systems shall have a dryer on the air compressor to minimize moisture within the system piping.

(19) Section 905.3.1 is amended by adding the following after the word "buildings":

"three or more stories in height" .

(20) Section 906.1(1) is amended by deleting the first sentence and replacing it with the following:

In all buildings of Use Groups A, B, E, F, H, I-, M, R-1, R-2, R-3 if containing a child care facility, S and U."

(21) Section 906.1(2) is amended by adding the following to the end of Section 906.1(2):

an extinguisher of a type appropriate to the hazard present (Class K) shall be installed. Wet chemical extinguishers are acceptable and desirable where a fryer application is present.

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(22) Section 907 is amended by adding the following:

907.1.3 Power source. The power source for smoke detectors shall be an AC primary source with a battery backup power source. Exception: Smoke detectors powered by DC power from a fire alarm control panel and such panel being (primary) powered by AC power are acceptable if the system is connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI, of the Downers Grove Municipal Code.

907.1.4 Fire protective signaling system. The following shall be equipped with an electrically supervised fire protective signaling system connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code:

(a) All buildings or structures equipped with a fire suppression system, fire sprinkler system or fire detection system;

(b) All buildings of Use Groups ~~A-4, E, I-1, I-2, I-3~~; and

(c) Any other building required by any code or ordinance to be equipped with a fire alarm, fire detection or fire suppression system.

Each fire protective signaling system shall be equipped with audio/visual fire alarm warning devices located so as to be seen, and heard effectively above all other sounds, by all occupants in every occupiable space within the building. The sound level of alarm devices shall be at least 15 dBA above the ambient sound level or 5 dBA above the maximum sound level having a duration of at least sixty seconds, whichever is greater, such levels to be measured five feet above the floor level in the occupiable area.

907.1.5 General Requirements for Alarm and Fire Detection Systems in the Village.

(a) All buildings or structures of Use Groups A-4, E, I-1, I-2, I-3 and R-1, shall be protected throughout all spaces by an approved supervised fire detection and fire protective signaling system connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code, unless such building or structure is fully protected by an approved supervised fire sprinkler system.

(b) All buildings or structures of Use Groups A-2, A-3, B, F, H, M, R-2, S-1, and S-2, which are located within the DB Downtown Business District (as defined in the Comprehensive Zoning Ordinance) and are required to have a certain degree of separation between floors, paths of exit access, occupancy or uses, shall be permitted to substitute a complete fire detection and fire protective signaling system installed throughout the building for the required degree of separation if in the opinion of the code official such separation is impractical. The fire detection and fire protective signaling system shall be connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code and the Building Code.

(c) All buildings or structures containing a residential use and any other occupancy that is not a residential use shall have a complete fire detection and fire protective signaling system installed throughout the building. The fire detection and fire protective signaling system shall be connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code.

(d) Each fire protective signaling system shall be equipped with audio/visual fire alarm warning devices located so as to be seen, and heard effectively above all other sounds, by all occupants in every occupiable space within the building. The sound level of alarm devices shall be at least 15 dBA above the ambient sound level or 5 dBA above the maximum sound level having a duration of at least sixty seconds, whichever is greater, such levels to be measured five feet above the floor level in the occupiable area.

(23) Section 907.2 is amended by adding the following to the end of paragraph two:

All fire alarm systems shall be UL certified upon acceptance by Downers Grove. Fire Department UL certification of the fire alarm system shall be maintained for the life of the structure.

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(24) Section 907.2.1 is amended by deleting the first sentence and inserting; “A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group A occupancies”

(25) Section 907.2.1 is further amended by deleting the exception.

(26) Section 907.2.2 is amended by deleting the same in its entirety, including the exception, and adding the following:

907.2.2 Group B. “A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group B occupancies.”

(27) Section 907.2.3 is amended by deleting the same in its entirety, including the exception and adding the following:

907.2.3 Group E. A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such system or detectors shall be connected to the building fire alarm system.

(28) Section 907.2.4 is amended by deleting the same in its entirety, including the exception and adding the following:

907.2.4 Group F. “A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group F occupancies.

(29) Section 907.2.5 is amended by deleting first sentence and inserting; “ A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group H occupancies.

(30) Section 907.2.6 is amended by deleting the exception.

(31) Section 907.2.6.1 is amended by deleting the exceptions.

(32) Section 907.2.6.2.2 is amended by deleting the first sentence.

(33) Section 907.2.6.2.3 is amended by deleting exceptions 2 and 3.

(34) Section 907.2.7 is amended by deleting the same in its entirety including the exceptions and adding the following:

907.2.7 Group M. A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group M occupancies.

(35) Section 907.2.7.1 is deleted in its entirety.

(36) Section 907.2.9 amended by deleting the same in its entirety, including the exceptions and adding the following:

907.2.9 Group R-2. A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group R-2 occupancies and deleting the exceptions.

(37) Section 907.2.12 is amended by deleting the number "75 feet (22 860 mm)" and inserting the following "40 feet".

(38) Section 907.2.12.3 is amended by deleting the exception.

(39) Section 907.2.12.4 is hereby added as follows:

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907.2.12.4 High Rise. In all buildings defined as high-rise, suitable fire department radio communications in addition to hard-wired systems shall be determined prior to construction. Suitable repeaters or antenna systems shall be approved by the fire department.

(40) Section 907.2.18.1(1) is amended by adding the words; "fire alarm and sprinkler room" after the word "machine".

(41) Section 907.2.19 is amended by adding the words; "and automatic fire detection system" after the words "manual fire alarm system".

(42) Section 907.3. is hereby amended as follows by adding the following at the conclusion thereof:

A Manual Fire Alarm and Automatic Fire Detection System in accordance with Section 907.3.1 through 907.3.9 and 907.1.5.1 shall be required in existing buildings in all other Use Groups as listed in Chapter 3 of the International Building Code ("IBC") except One and Two Family Residential Dwellings if:

1. The building, occupancy, tenant or suite undergoes a change in use that elevates the level of risk to life and property, such as a significant increase in the anticipated daily occupancy or in the content load from a prior load level of the same general content; or

2. The building, occupancy, tenant or suite undergoes the addition of usable floor space, or change in use which increases the hazard level in the area in any manner as established by at least one requirement in the NFPA Life Safety Code, the International Fire Code or the International Building Code; or

3. The building, occupancy, tenant or suite undergoes any significant remodeling (as defined in Section 902.1).

When identifying the need for the installation of a Manual Fire Alarm and Automatic Fire Detection System, a specific written finding shall be made by the Village based upon the above-stated requirements.

(43) Section 907.3.1.1 is amended by deleting the exceptions.

(44) Section 907.3.1.2 is amended by deleting the exception.

(45) Section 907.3.1.6 is amended by deleting the words; "more than three stories or"

(46) Section 907.3.1.8 is amended by deleting the words; "with more than three stories or with more than 16 dwelling units"

(47) Section 907.3.1.8 is amended by deleting exception number 1.

(48) Section 907.3.1.9 is amended by deleting the exceptions.

(439) Section 907.4.1 is amended by deleting the exception.

(4450) Section 907.9.2 is amended by deleting the number "75 feet (22 860 mm)" and inserting in lieu thereof:

"40 feet".

(4551) Section 907.15 is amended by adding the following section:

907.15.1 Connection to Village. All fire alarm systems shall be supervised by connection to the Village fire alarm receiving panel in the manner specified by the Municipal Code and shall transmit alarm, trouble, and supervisory signals.

In lieu of connecting to the Village's alarm receiving panels as set forth above, any property within

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the municipal limits of Downers Grove which is under the jurisdiction of a fire protection district organized pursuant to state law shall instead connect to the alarm receiving panels of the fire protection district. Such alternative connection shall be according to the fire protection district's rules and regulations for connection.

(4652) Section 907.20 is amended by adding immediately at the conclusion thereof the following: "and as specified in the Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code.

(4753) Section 907.20.2 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

907.20.2 Testing. Complete and satisfactory tests shall be performed on all devices in accordance with Chapter 17, Article VI of the Downers Grove Municipal Code.

(4854) Section 907.20.5 is amended by adding immediately at the conclusion thereof the following: "as specified in the Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code."

(4955) Section 909.3 is amended by adding the following language at the conclusion thereof:

"or as specified in the Village Alarm Code in Section 17, Article VI, of the Downers Grove Municipal Code, whichever is more often."

(5056) Section 912 is amended by adding the following:

912.5.1 Backflow prevention. Whenever a backflow prevention device is required to be installed on an existing hydraulically calculated sprinkler system, the system shall be recalculated to assure that the design density of the sprinkler system is satisfied. Should the design density be inadequate, the automatic sprinkler system shall be redesigned for compliance with the required design density.

912.5.2 Backflow prevention - antifreeze systems. Wherever an existing antifreeze sprinkler system is not protected by a reduced pressure backflow prevention device, the system shall be altered to incorporate a reduced pressure backflow prevention device at the point of connection to that section of the system containing such additives.

(5157) Section 913 is amended by adding the following section:

913.2.1 Fire pump emergency power. Any fire pump installed to meet the hydraulic design needs of an automatic fire sprinkler system shall be connected to an automatically switched emergency power generator to assure operation at all times. The emergency power generator, all switching equipment, and the connection to the fire pump shall meet all requirements of the National Electrical Code (NFPA 70) as adopted by the Village.

(5258) Section 1003.2.11 is hereby amended by adding the following section:

1003.2.11.2.1 Emergency lighting. Where emergency lighting units are required by Village ordinance or regulation, twenty percent (20%) of those lights must have battery power if the building or structure has an emergency generator for such lighting. For multi-story buildings, stairs shall at a minimum have a battery powered unit at every fourth landing. These battery powered units on the stairs can be applied toward the twenty percent (20%) requirement.

(5359) Section 1011.3 is amended by adding the following section:

1011.3.1 Check out lanes. At no time shall check-out lanes be blocked by stored carts, displays, chains or other fixed obstructions to free access.

(5460) Section 1404 is amended by adding the following section:

1404.8 Restriction of combustible materials. Where required by the code official, no combustible construction materials or packaging shall be stored inside the building or structure until the sprinkler system

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is activated. Where deemed necessary by the code official, the activated sprinkler system shall be supervised by a temporary connection to the Village's fire alarm receiving equipment.

(~~55~~61) Section 2210 is amended by adding the following sections:

2210.2.2.1 Storage of waste oils. Waste oils shall be stored in a listed double wall tank located outside the building with a minimum 2" diameter steel vent pipe extending at least 18" above the roof line. The tank shall be installed on a concrete pad with drainage and shall be protected from vehicular traffic damage in an approved manner and shall be blocked from view by an approved fence a minimum of six feet high. The tank and all associated piping shall be air pressure tested in the manner prescribed by the manufacturer and such test shall be witnessed by the code official.

2210.2.2.2 Maximum waste oil storage above ground. The maximum amount of waste oil stored outside above ground without additional protection shall be 660 gallons. Where the amount stored outside above ground exceeds 660 gallons, the installation shall comply with NFPA 31 listed in the ICC Fire Prevention Code.

2210.2.2.3 Storage of motor oils in above ground tanks. New motor oils shall be stored in a listed single wall tank if stored inside, or a listed double wall tank if stored outside. When stored outside, the tank shall be installed on a concrete pad with drainage, shall be protected from vehicular traffic damage in an approved manner, and shall be blocked from view by an approved fence a minimum of six feet high. The tank and all associated piping shall be air pressure tested in the manner prescribed by the manufacturer and such test shall be witnessed by the code official.

2210.2.2.4 Maximum motor oil storage above ground: The maximum amount of new motor oil stored in above ground tanks inside a building shall not exceed 1,320 gallons. If stored outside, the maximum amount of new motor oil shall not exceed 1,320 gallons without additional protection pursuant to NFPA 31 listed in the ICC Fire Prevention Code.

(~~56~~62) Section 3302.1 is amended by deleting the definition of "fireworks" in its entirety and substituting in lieu thereof the following:

FIREWORKS. The term "fireworks" shall have the same meaning as that term is defined and used in the Illinois Fireworks Regulation Act*

(~~57~~63) Section 3401.1 is amended by adding the words: "or waste oils" after the words "combustible liquids" wherever they appear therein.

(~~58~~64) Section 3401.4 is amended by adding the following:

3401.4.1 Annual Permit Required. An annual permit is required for underground storage of flammable/combustible liquids per Ordinance 4588. Fees are as noted in Section 17-47 of the Downers Grove Municipal Code.

(~~59~~65) Section 3404.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3404.1 General. Combustible liquid storage tanks of any capacity installed above ground shall comply with this chapter. Flammable liquids shall not be stored above ground.

(~~60~~66) Section 3404.2 is amended by adding the following:

3404.2.9.5.1.7 Fuel dispensing systems. Above ground tanks shall be permitted for the storage of combustible motor fuels on premises to which the public does not have access when installed in a special enclosure constructed in accordance with NFPA 30A listed in the ICC Fire Prevention Code.

(~~61~~67) Section 3404.2.9 is amended by adding the following section:

3404.2.9.6.11 Tank Capacity/Installation. Tanks containing motor fuels shall not exceed 1,000

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gallon individual fuel capacity or 1,500 gallons in aggregate capacity. Installations with the maximum allowable aggregate capacity shall be separated from other such installations by no less than 100 feet.

(~~6268~~) Section 3404.2.13.1.4(3) is amended by deleting the exception.

(~~6369~~) Section 3801.2 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3801.2 Permits required.

(a) A permit shall be obtained from the code official for each of the following:

(1) installation of liquefied petroleum gas tanks regardless of the capacity;

(2) sales or exchanges of filled tanks and the filling of tanks of any size for sale or use on site;

(3) for the storage of containers used in commercial, maintenance, construction, stock management or vehicles, and

(4) any other use where tanks are used and stored on a regular basis.

(b) Prior to installation, use or storage of liquefied or petroleum gas, the applicant for a permit shall submit plans to the code official detailing such installation, use or storage. If compliance with the requirements of this Code is shown by such plans, a permit shall be issued. The code official shall inspect the site upon completion of the installation to determine compliance with the plans and the ordinances of the Village.

(~~6470~~) Section 3809 is amended by deleting in their entirety the following sections:

3809.4

3809.9

3809.10

3809.11

(~~6571~~) Section 3809 is amended by adding the following section:

3809.16 Storage of containers. Containers stored inside or outside a building shall be secured inside a shelf or rack system of non-combustible construction or shall be chained to a non-combustible wall. Either method of storage shall prevent the tank from "rocketing" if exposed to fire. If stored outside, tanks shall be protected from tampering.

(Ord. No. 2857, § 8; Ord. No. 3118, § 20; Ord. No. 3185, § 3.)

Section 2. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 3. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:

Published:

Attest: _____

Village Clerk