

ORDINANCE NO. 366
FIRE PREVENTION ORDINANCE

AN ORDINANCE OF THE CITY OF LAS VEGAS AMENDING ORDINANCE NO. 308, PROVIDING FOR THE ESTABLISHMENT OF A BUREAU OF FIRE PREVENTION, PROVIDING OFFICERS THEREFOR AND DEFINING THEIR POWERS AND DUTIES, AND PRESCRIBING REGULATIONS FOR FIRE PREVENTION AND LIFE SAFETY IN CONNECTION WITH HAZARDOUS MATERIALS AND PROCESSES; PROVIDING PENALTIES FOR ITS VIOLATION AND REPEAL OF ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT THEREWITH.

The Board of Commissioners of the City of Las Vegas do ordain as follows:

SECTION ONE. Section one of Ordinance No. 308 is amended to read as follows:

That a certain document, three (3) copies of which are on file in the Office of the City Clerk, of the City of Las Vegas, being marked and designated as Suggested Fire Prevention Ordinance, edition 1947, recommended and published by the National Board of Fire Underwriters, be, and the same is hereby referred to and adopted as the Fire Prevention Ordinance of the City of Las Vegas, and by said reference and adoption, made a part of this Ordinance, the same as if it was fully set forth herein, Provided,

Certain sections of said Suggested Fire Prevention Ordinance, as adopted by this ordinance are hereby amended as follows, to-wit:

- (a) Part 8 is deleted in its entirety and there is substituted and adopted a certain document, three (3) copies of which are on file in the office of the City Clerk, of the City of Las Vegas, being marked and designated as Pamphlet 58 - Standards of the National Board of Fire Underwriters for the Design, Installation and Construction of Containers and Pertinent Equipment for the storage and handling of Liquefied Petroleum Gases, as recommended by the National Fire Protection Association, Edition of January, 1947, which is hereby referred to and adopted as Part 8 of the Fire Prevention Ordinance and by said reference and adoption, made a part of this Ordinance the same as if it was fully set forth herein.

- (b) Section 913 is amended by deleting the first sentence and substituting the following:

Storage Limited in Frame and Other Buildings not so used on
OCTOBER 7, 1948. The storage of flammable liquids inside ~~August 6, 1948,~~ October 7
buildings, except in buildings so used on ~~August 6, 1948,~~ and
except inside buildings used only for the storage, handling
mixing and blending of flammable liquids and for not other
or unrelated occupancy, shall be as given under the following
subsections; provided that, in a special storage room or fire
resistive building conforming to requirements given in Section
915, the storage of Class I liquids shall be in accordance
with Section 916 and the quantity of Class II and III liquids
shall be unlimited as to total quantity.

- (c) Section 953 is amended by deleting the section in its entirety and substituting the following:

(a) No aboveground tank shall be filled with or used for the storage of flammable liquids, if the distance between the shell thereof and the nearest adjoining property line that may be built upon is less than one half the diameter of the tank and in no event, if the distance is less than ten (10) feet; provided, however, that tanks erected and in use for the storage of flammable liquids at the date of passage of this ordinance shall be deemed to comply with this section.

(b) The minimum distance between shells of any two all-steel, gas-tight tanks shall be not less than one-half the diameter of the smaller tank, except that for tanks of 50,000 gallons or less, such distance shall be not less than three (3) feet regardless of diameter.

CITY
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- (d) Section 954 is amended by adding to the first sentence thereof the words "or vacuum and pressure relief valves."
- (e) Section 960 (e) is amended by deleting sub-section in its entirety and substituting the following:

Installation of Tanks for Class III liquids Inside Buildings.

(a) Oil supply tanks larger than 60 gallons capacity shall not be located in buildings above the lowest story, cellar or basement.

(b) Unenclosed inside storage tanks and auxiliary tanks shall not be located within seven (7) feet, horizontally, of any fire or flame.

(c) Oil supply tanks located inside buildings shall not exceed 275 gallons individual capacity or 550 gallons aggregate capacity in an individual building, or in sections of a building separated by fire walls, unless installed in an enclosure or casing constructed as follows:

The walls of the enclosure shall be constructed of reinforced ~~concrete~~ ~~instead of reinforced~~ concrete at least six (6) inches thick or of brick at least eight (8) inches thick. Such enclosures shall be installed only on concrete or other fire resistive floors and shall be bonded to the floors. Enclosures shall have tops of reinforced concrete at least five (5) inches thick or equivalent fire-resistive construction, except that where floor or roof construction above the enclosure is concrete or other fire resistive construction the walls may be extended to and bonded to the underside of the construction above in lieu of the provision of a separate top. Any openings to such enclosures shall be provided with fire doors or other approved closures. Provision shall be made for adequate ventilation of such enclosures prior to entering for inspection or repairs on tanks.

Instead of an enclosure as above described the tank may be encased in reinforced concrete not less than six (6) inches in thickness, applied directly to the tank so as to completely eliminate any air space.

(d) In buildings of ordinary construction the nominal gross capacity of tanks shall not exceed 5,000 gallons.

(e) In fire-resistive buildings the nominal gross capacity of the tanks shall not exceed 15,000 gallons.

(f) In any building, if in a fire-resistive or detached room cut off vertically and horizontally in an approved manner, from other floors of the main building, the nominal gross capacity of tanks shall not exceed 50,000 gallons, with an individual tank capacity not exceeding 25,000 gallons.

- (f) Section 972 is amended by deleting the first sentence of the second paragraph and substituting the following:

Vent openings for aboveground tanks containing Class I or Class II liquids shall be provided with approved flame arresters or vacuum and pressure relief valves.

- (g) Section 986 is amended by deleting paragraph 8 and substituting the following:

Every tank having a total capacity in excess of 1,500 gallons and used for the distribution of Class I flammable liquids to any premises to which the public is invited shall be divided into compartments, no one of which shall exceed 1,200 gallons. A tolerance of ten (10%) per cent shall be allowed for capacities of individual compartments or tanks.

Bulkheads or compartments shall not be required in any tank used for transportation service, regardless of total capacity, which, when loaded and transporting its cargo over streets and highways will contain not less than 80 per cent of the total tank capacity and will discharge its entire contents at one unloading point, provided such tank is not used for the delivery of flammable liquids to premises to which the public is invited.

Every tank, and every compartment over 90 inches in length, shall be provided with baffles, the number of which shall be such that the linear distance between any two adjacent baffles, or between any tank head or bulkhead and the baffles nearest it, shall in no case exceed 60 inches.

The cross sectional area of each baffle shall be not less than 80 per cent of the cross sectional area of the tank and the thickness of such baffle shall be not less than that required for heads and bulkheads of the tank in which installed.

Tanks with compartments carrying flammable liquids of different classes shall be provided with an air space between compartments and this air space shall be equipped and maintained with drainage facilities operative at all times.

SECTION TWO. All ordinances and parts of ordinances in conflict herewith are hereby repealed, but it is specifically provided that neither this ordinance or any repeal hereby provided shall in any way affect in any way the prosecution for the violation of any ordinance heretofore passed, pending at the time of the adoption of this ordinance.

SECTION THREE. This ordinance shall be in full force and effect upon its publication, as in the next section provided, and final passage.

SECTION FOUR. The City Clerk and Clerk of the Board of Commissioners of the City of Las Vegas shall cause this ordinance to be published once a week for two successive weeks immediately following its first reading and adoption in the Las Vegas Evening Review Journal, a daily newspaper published in the City of Las Vegas.

[Signature]
Mayor *EWC*

ATTEST:

[Signature]
City Clerk
(SEAL)

The above and foregoing ordinance was first proposed and read by title to the Board of City Commissioners on the 16th day of September, 1948, and referred to the following committee composed of Commissioners Moore + Whipple for recommendation; thereafter the said committee reported favorably on the said ordinance on the 22nd day of September, 1948, which was a REGULAR meeting of said Board of City Commissioners; that at said REGULAR meeting held on the 22nd day of September, 1948, the proposed ordinance was read in full to the Board of City Commissioners as first introduced and adopted by the following vote:

Voting "Aye": Commissioners Larkin, Moore and Whipple

Voting "Nay": None

Absent: Mayor Cragin and Commissioner Clark

ATTEST:

[Signature]
City Clerk
(SEAL)

APPROVED:
[Signature]
Acting Mayor Pro Tem
RW

AFFADAVIT OF PUBLICATION

NOTICE

Notice is hereby given that three copies of a certain document marked and designated as SUGGESTED FIRE PREVENTION ORDINANCE, Edition of 1947, recommended and published by the National Board of Fire Underwriters, with such changes as are necessary to make the same applicable to conditions in the City of Las Vegas, and with other changes as are desirable, are on file in the City Clerk's office in the City Hall, City of Las Vegas, County of Clark, State of Nevada. Part of said changes consists of a further document marked and designated as Pamphlet 58, Standards of the National Board of Fire Underwriters for the Design, Installation and Construction of containers and Pertinent Equipment for the storage and handling of Liquefied Petroleum Gases, as recommended by the National Fire Protection Association, Edition of January, 1947, three copies of which are on file in the office of the City Clerk, attached to and incorporated in the aforesaid documents designated SUGGESTED FIRE PREVENTION ORDINANCE.

Said code, together with the above mentioned changer is on file as aforesaid for use and examination by the public.

This notice is given prior to the passage of a proposed ordinance now before the Board of Commissioners of the City of Las Vegas for the adoption of said codes, and is given in accordance with Chapter 2, Section 30 of the Charter of the City of Las Vegas, as amended by Chapter 99, Statutes of Nevada, 1947.

SHIRLEY BALLINGER,
City Clerk.

s24, 26, 27, 28, 29, 30; c1, 1948.

STATE OF NEVADA, }
COUNTY OF CLARK } ss.

Dick Lochner, being first duly sworn,

deposes and says: That he is *foreman* of the LAS VEGAS EVENING REVIEW JOURNAL, a daily newspaper, of general circulation, printed and published at Las Vegas, in the County of Clark, State of Nevada, and that the attached was continuously published

in said newspaper for a period of *One week*

from *Sept 24 1948* to *Oct 1st 1948*

inclusive, being the issues of said newspaper for the following dates, to-wit:

Sept 24 - 26 27 - 28 - 29 - 30 Oct 1

That said newspaper was regularly issued and circulated on each of the dates above named.

Signed

Dick Lochner

Subscribed and sworn to before me this *1st*
day of *October 1948*

Shirley Ballinger
Notary Public in and for Clark County, Nevada.

My Commission Expires

Jan 12, 1951

AFFADAVIT OF PUBLICATION

OF NEVADA, }
COUNTY OF CLARK } ss.

Dick Lochberg, being first duly sworn,

deposes and says: That he is foreman of the LAS VEGAS EVENING REVIEW-JOURNAL, a daily newspaper, of general circulation, printed and published at Las Vegas, in the County of Clark, State of Nevada, and that the attached was continuously published

in said newspaper for a period of Two weeks

from Sept 24, 1948 to Oct 1, 1948

inclusive, being the issues of said newspaper for the following dates, to-wit:

Sept 24 - Oct 1

That said newspaper was regularly issued and circulated on each of the dates above named.

Signed Dick Lochberg

Subscribed and sworn to before me this 12th
day of October 1948

[Signature]
Notary Public in and for Clark County, Nevada.

My Commission Expires

Jan 12, 1951

ORDINANCE NO. 368
FIRE PREVENTION ORDINANCE
AN ORDINANCE OF THE CITY OF
LAS VEGAS AMENDING OR-
DINANCE NO. 308, PROVIDING
FOR THE ESTABLISHMENT OF
A BUREAU OF FIRE PREVEN-
TION, PROVIDING OFFICERS
THEREFOR AND DEFINING
THEIR POWERS AND DUTIES,
AND PRESCRIBING REGULA-
TIONS FOR FIRE PREVENTION
AND LIFE SAFETY IN CONNEC-
TION WITH HAZARDOUS MA-
TERIALS AND PROCESSES,
PROVIDING PENALTIES FOR
ITS VIOLATION AND REPEAL
OF ORDINANCES OR PARTS OF
ORDINANCES IN CONFLICT
THEREWITH.

The Board of Commissioners of the City of Las Vegas do ordain as follows:

SECTION ONE. Section one of Ordinance No. 308 is amended to read as follows:

That a certain document, three (3) copies of which are on file in the Office of the City Clerk of the City of Las Vegas, being marked and designated as Suggested Fire prevention Ordinance, edition 1947, recommended and published by the National Board of Fire Underwriters, be, and the same is hereby referred to and adopted as the Fire Prevention Ordinance of the City of Las Vegas, and by said reference and adoption made a part of this Ordinance, the same as if it was fully set forth herein, Provided,

Certain sections of said Suggested Fire Prevention Ordinance, as adopted by this ordinance are hereby amended as follows, to-wit:

- (a) Part 8 is deleted in its entirety and there is substituted and adopted a certain document, three (3) copies of which are on file in the office of the City Clerk of the City of Las Vegas, being marked and designated as Pamphlet 58—Standards of the National Board of Fire Underwriters for the Design, Installation and Construction of Containers and Pertinent Equipment for the storage and handling of Liquefied Petroleum Gases, as recommended by the National Fire Protection Association, Edition of January, 1947, which is hereby referred to and adopted as Part 8 of the Fire Prevention Ordinance and by said reference and adoption, made a part of this Ordinance the same as if it was fully set forth herein.
- (b) Section 913 is amended by deleting the first sentence and substituting the following the following:
Storage Limited in Frame and Other Buildings not so used on used on October 7, 1948. The storage of flammable liquids inside buildings, except in buildings so used on October 7, 1948, and except inside buildings used only for the storage, handling mixing and blending of flammable liquids and for not other of unrelated occupancy, shall be as given under the following subsections; provided that, in a special storage room of fire resistive building conforming to requirements given in Section 915, the storage of Class I liquids shall be in accordance with Section 916 and the quantity of Class II and III liquids shall be unlimited as to total quantity.
- (c) Section 953 is amended by deleting the section in its entirety and substituting the following:
(a) No aboveground tank shall be filled with or used for the storage of flammable liquids, if the distance between the shell thereof and the nearest adjoining property line that may be built upon is less than one half the diameter of the tank and in no event, if the distance is less than ten (10) feet; provided, however, that tanks erected and in use for the storage of flammable liquids at the date of passage of this ordinance shall be deemed to comply with this section.
(b) The minimum distance between shells of any two all-steel, gas-tight tanks shall be not less than one-half the diameter of the smaller tank, except that for tanks of 50,000 gallons or less, such distance shall be not less than three (3) feet regardless of diameter.

(d) Section 954 is amended by adding to the first sentence thereof the words "or vacuum and pressure relief valves."

(e) Section 960 (e) is amended by deleting sub-section in its entirety and substituting the following:

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(b) Unenclosed inside storage tanks and auxiliary tanks shall not be located within seven (7) feet, horizontally, of any fire or flame.

(c) Oil supply tanks located inside buildings shall not exceed 275 gallons individual capacity or 550 gallons aggregate capacity in an individual building, or in sections of a building separated by fire walls, unless installed in an enclosure or casing constructed as follows:

The walls of the enclosure shall be constructed of reinforced concrete at least six (6) inches thick or of brick at least eight (8) inches thick. Such enclosures shall be installed only on concrete or other fire resistive floors and shall be bonded to the floor.

Enclosures shall have tops of reinforced concrete at least five (5) inches thick or equivalent fire-resistive construction, except that where floor or roof construction above the enclosure is concrete or other fire resistive construction the walls may be extended to and bonded to the underside of the construction above in lieu of the provision of a separate top. Any openings to such enclosures shall be provided with fire doors or other approved closures. Provision shall be made for adequate ventilation of such enclosures prior to entering for inspection or repairs on tanks.

Instead of an enclosure as above described the tank may be encased in reinforced concrete not less than six (6) inches in thickness, applied directly to the tank so as to completely eliminate any air space.

(d) In buildings of ordinary construction the nominal gross capacity of tanks shall not exceed 5,000 gallons.

(e) In fire-resistive buildings the nominal gross capacity of the tanks shall not exceed 15,000 gallons.

(f) In any building, if in a fire-resistive or detached room cut off vertically and horizontally in an approved manner, from other floors of the main building, the nominal gross capacity of tanks shall not exceed 50,000 gallons, with an individual tank capacity not exceeding 25,000 gallons.

(f) Section 972 is amended by deleting the first sentence of the second paragraph and substituting the following:

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(g) Section 986 is amended by deleting paragraph 8 and substituting the following:

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Bulkheads or compartments shall not be required in any tank used for transportation service, regardless of total capacity, which, when loaded

and transporting its cargo over streets and highways will contain not less than 80 per cent of the total tank capacity and will discharge its entire contents at one unloading point, provided such tank is not used for the delivery of flammable liquids to premises to which the public is invited. Every tank, and every compartment over 90 inches in length, shall be provided with baffles, the number of which shall be such that the linear distance between any two adjacent baffles, or between any tank head or bulkhead and the baffles nearest it, shall in no case exceed 60 inches.

The cross sectional area of each baffle shall be not less than 80 per cent of the cross sectional area of the tank and the thickness of such baffle shall be not less than that required for heads and bulkheads of the tank on which installed.

Tanks with compartments carrying flammable liquids of different classes shall be provided with an air space between compartments and this air space shall be equipped and maintained with drainage facilities operative at all times.

Section Two. All ordinances and parts of ordinances in conflict herewith are hereby repealed, but it is specifically provided that neither this ordinance or any repeal hereby provided shall in any way affect in any way the prosecution for the violation of any ordinance heretofore passed; pending at the time of the adoption of this ordinance.

Section Three. This ordinance shall be in full force and effect upon its publication, as in the next section provided, and final passage.

Section Four. The City Clerk and Clerk of the Board of Commissioners of the City of Las Vegas shall cause this ordinance to be published once a week for two successive weeks immediately following its first reading and adoption in the Las Vegas Evening Review-Journal, a daily newspaper published in the City of Las Vegas.

E. W. CRAGIN, Mayor

Attest:
SHIRLEY BALLINGER, City Clerk
(SEAL)

The above and foregoing ordinance was first proposed and read by title to the Board of City Commissioners on the 18th day of September, 1948, and referred to the following committee composed of Commissioners Moore and Whipple for recommendation; thereafter the said committee reported favorably on the said ordinance on the 22nd day of September, 1948, which was a regular meeting of said Board of City Commissioners; that at said regular meeting, held on the 22nd day of September, 1948, the proposed ordinance was read in full to the Board of City Commissioners as first introduced and adopted by the following vote:

Voting "aye": Commissioners Basin, Moore and Whipple.

Voting "nay": None.

Absent: Mayor Cragin and Commissioner Clark.

Approved:

REED WHIPPLE,
Acting Mayor Pro Tem

Attest:
SHIRLEY BALLINGER, City Clerk
(SEAL)

824-01, 1948.