



GUIDANCE DOCUMENT

Plans 18-01 Craft Brewery

This guidance document is advisory in nature but is binding on an agency until amended by such agency. A guidance document does not include internal procedural documents that only affect the internal operations of the agency and does not impose additional requirements or penalties on regulated parties or include confidential information or rules and regulations made in accordance with the Administrative Procedure Act. If you believe that this guidance document imposes additional requirements or penalties on regulated parties, you may request a review of the document.

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The State Fire Marshal Agency has received numerous inquiries regarding the Fire and Life Safety requirements for craft brewery establishments. The Agency has developed the following guidance document regarding these types of occupancies. We highly recommend consulting with the Nebraska State Fire Marshal's Office - Plans Division - or delegated authority cities throughout the design phase of craft breweries to determine hazardous areas and separation requirements, as well as other questions that may arise.

Statutory Definitions

- Craft brewery means a brewpub or a microbrewery. (*Neb. Rev. Stat. §53-103.12*)
- Brewpub means any restaurant or hotel which produces on its premises a maximum of twenty thousand barrels of beer per year. (*Neb. Rev. Stat. §53-103.05*)
- Microbrewery means any small brewery producing a maximum of twenty thousand barrels of beer per year. (*Neb. Rev. Stat §53-103.21*)

Code Requirements

The Nebraska State Fire Marshal is the authority having jurisdiction (AHJ) as referenced in the following portions of the Life Safety Code, NFPA 101 (2000 edition). As such the Agency has made the following determinations.

Hazardous Areas in a craft brewery include but are not limited to:

- a. Rooms containing high-pressure boilers, refrigerating machinery of other than the domestic refrigerator type, large transformers, or other service equipment subject to explosion. LSC 12/13.3.2.1.1
- b. Rooms or spaces used for the storage of combustible supplies in quantities deemed hazardous by the AHJ. LSC 12/13.3.2.1.3 (1)
- c. Rooms or spaces used for the storage of hazardous materials or flammable or combustible liquids in quantities deemed hazardous by the AHJ. LSC 12/13.3.2.1.3 (1)
- d. Rooms or spaces used for the processing of combustible supplies in quantities deemed hazardous by the AHJ. LSC 12/13.3.2.1.3 (2)
- e. Rooms or spaces used for the processing of hazardous materials or flammable or combustible liquids in quantities deemed hazardous by the AHJ. LSC 12/13.3.2.1.3 (2)

Occupancy Separation Requirements

1. Mixed Assembly (Ch. 12/Ch. 13), Industrial (Ch. 40), and Storage (Ch. 42) Occupancies
 - a. Non-Sprinkler Protected Facilities
 - i. REQUIREMENT - 1 hour fire separation between the Assembly Occupancy and the Industrial/Storage Occupancies
 - ii. REQUIREMENT - 1 hour fire separation between the Assembly Occupancy and the areas identified as hazards listed above (a-e)
 - iii. REQUIREMENT – Additional protection by an automatic extinguishing system throughout the areas identified as hazards listed above (d-e)
 - b. Sprinkler Protected Facilities

- i. REQUIRMENT - Smoke separation between Assembly Occupancy and the Industrial/Storage Occupancies
- ii. REQUIRMENT - Smoke separation between the Assembly Occupancy and the areas identified as hazards listed above (a-c)
- iii. REQUIRMENT - 1 hour fire separation between the Assembly Occupancy and the areas identified as hazards listed above (d-e)

Where the occupancies are so intermingled that separate safeguards cannot be provided, the entire facility is to meet the most restrictive life safety classification (Assembly Occupancy) and the requirements of Chapter 12/13 of the Life Safety Code throughout the entire building.

2. Assembly Occupancy (Ch. 12/Ch. 13)

a. Non-Sprinkler Protected Facilities

- i. REQUIRMENT - 1 hour fire separation between the Assembly Occupancy and the areas identified as hazards listed above (a-e)
- ii. REQUIRMENT – Additional protection by an automatic extinguishing system throughout the areas identified as hazards listed above (d-e)

b. Sprinkler Protected Facilities

- i. REQUIRMENT - Smoke separation between the Assembly Occupancy and the areas identified as hazards listed above (a-c)
- ii. REQUIRMENT - 1 hour fire separation between the Assembly Occupancy and the areas identified as hazards listed above (d-e)

All areas listed in 1a, 1b, 2a, and 2b of this document shall abide by the following requirements pertaining to industrial trucks (including forklifts) powered by LP-Gas, both to propel them and to provide energy for their material handling attachments:

- Industrial trucks shall not be parked and left unattended in areas occupied by or frequented by the public without the approval of the authority having jurisdiction.
- If industrial trucks are left unattended with approval, the cylinder shutoff valve shall be closed.
- In no case shall industrial trucks be parked and left unattended in areas of excessive heat or near a source of ignition.
- NFPA 58, 8.3.6 (b) 3-4 / NFPA 58, 8.3.1