



LAS VEGAS FIRE & RESCUE

Fire Prevention Division

Information Sheet



The items listed are basic information only. Please refer to adopted codes for specific details. Codes are subject to change. Additional requirements may apply.

Effective Date: January 5, 2026

Ordinance # 6918

Wood and Plastic Pallet Storage and Rehabilitation

New and existing facilities with either storage or rehabilitation of pallets shall be in accordance with IFC 315.7

An operational permit is required for new and existing facilities which store more than fifty (50) idle pallets on site, either inside or outside of a building. SNFC 105.5.66

Equipment or machinery located inside buildings that generates or emits combustible dust shall be provided with an approved dust collection and exhaust system installed in accordance with Chapter 22 and the International Mechanical Code. Equipment or systems that are used to collect, process or convey combustible dusts shall be provided with an approved explosion control system IFC 2803.2

Where a dust explosion hazard exists in equipment rooms, buildings or other enclosures, such areas shall be provided with explosion (deflagration) venting or an approved explosion suppression system complying with Section 911. IFC 2803.2.1

Provisions shall be made for a systematic and thorough cleaning of the entire plant at sufficient intervals to prevent the accumulation of combustible dust and spilled combustible or flammable liquids. IFC 2803.3.1

Electrical wiring and equipment shall comply with NFPA 70. IFC 2803.4

Where smoking constitutes a fire hazard, the fire code official is authorized to order the owner or occupant to post approved "No Smoking" signs complying with Section 310. The fire code official is authorized to designate specific locations where smoking is allowed. IFC 2803.5.3

Fire apparatus access roads shall be provided for buildings and facilities in accordance with Section 503. IFC 2803.6

Where storage pile configurations could change because of changes in product operations and processing, the access plan shall be submitted for approval where required by the fire code official. IFC 2803.7

Portable fire extinguishers or standpipes and hose supplied from an approved water system shall be provided within a 50-foot (15 240 mm) distance of travel from any machine producing shavings or sawdust. Portable fire extinguishers shall be provided in accordance with Section 906 for extra-high hazards. IFC 2804.3

Automatic sprinkler systems shall be installed in accordance with Section 903.3.1.1. IFC 2804.4

Each site shall maintain a current site plan. The site plan shall be submitted to the fire code official for approval and contain all of the following:

1. Lot lines.
2. Utilities.
3. Size, location and type of construction of the buildings on the property.
4. Presence of the fire protection systems.

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5. Water supply sources for firefighting purposes.
6. Location of hazardous material storage areas.
7. Location of pallet storage.
8. Equipment protected with a dust collection system.
9. Fire apparatus access roads.
10. Designated smoking areas.
11. Location of fire alarm control panels. IFC 2810.2

The owner or owner's authorized representative shall submit a fire prevention plan for review and approval by the fire code official that includes all of the following:

1. Frequency of walk-through inspections to verify compliance with the plan.
2. Hot work permit program in accordance with Chapter 35.
3. Preventative maintenance program for equipment associated with pallet activities.
4. Inspection, testing and maintenance of fire protection systems in accordance with Chapter 9.

The owner or owner's authorized representative shall prepare and train employees in an approved fire safety and evacuation plan in accordance with Chapter 4. IFC 2810.4

The owner or owner's authorized representative shall prepare a security management plan based on a security risk assessment and shall make the plan and assessment available to the fire code official upon request. IFC 2810.5

Fire-flow requirements for the site shall be determined by the fire code official IFC 2810.9

Portable fire extinguishers shall be selected, installed and maintained in accordance with Section 906. IFC 2810.10

Pallet stacks shall not exceed 20 feet (6096 mm) in height IFC 2810.8

Stacks of pallets shall not be stored within 0.75 times the stack height or 8 feet (2438 mm) of the property line, whichever is greater, or shall comply with Section 2810.11. IFC 2810.6

Stacks of pallets shall not be stored within 0.75 times the stack height of any important building on site, or shall comply with Section 2810.11. IFC 2810.7

Pallet stacks shall be arranged to form stable piles. Individual pallet piles shall cover an area not greater than 400 square feet (37 m²) IFC 315.7.4

Pallets shall be all wood, with slatted or solid top or bottom, with metal fasteners, or shall be plastic or composite pallets, listed and labeled in accordance with UL 2335 or FM 4996. Plastic pallets shall be both solid and gridded deck, independent of the pallet manufacturing process, type of resin used in fabrication or geometry of the pallet. IFC 315.7.5

In addition to the other requirements of this section, pallet stacks and piles shall be separated in accordance with [Sections 315.7.6.1](#) and [315.7.6.2](#)

TABLE 315.7.6(1) SEPARATION DISTANCE BETWEEN WOOD PALLET STACKS AND BUILDINGS

WALL CONSTRUCTION	OPENING TYPE	WOOD PALLET SEPARATION DISTANCE (feet)		
		≤ 50 Pallets	51 to 200 Pallets	> 200 Pallets
Masonry	None	2	2	2
Masonry	Fire-rated glazing with open sprinklers	2	5	20

Masonry	Fire-rated glazing	5	10	20
Masonry	Plain glass with open sprinklers	5	10	20
Noncombustible	None	5	10	20
Wood with open sprinklers	—	5	10	20
Wood	None	15	30	90
Any	Plain glass	15	30	90

For SI: 1 foot = 304.8 mm.

TABLE 315.7.6(2) SEPARATION DISTANCE BETWEEN PLASTIC PALLET STACKS AND BUILDINGS

WALL CONSTRUCTION	OPENING TYPE	PLASTIC PALLET SEPARATION DISTANCE (feet)		
		≤ 50 Pallets	51 to 200 Pallets	> 200 Pallets
Masonry	None	2	2	2
Masonry	Fire-rated glazing with open sprinklers	10	20	50
Masonry	Fire-rated glazing	15	40	100
Masonry	Plain glass with open sprinklers	15	40	100
Noncombustible	None	15	40	100
Wood with open sprinklers	—	15	40	100
Wood	None	30	80	150
Any	Plain glass	30	80	150

For SI: 1 foot = 304.8 mm.

TABLE 315.7.6(3) SEPARATION FROM OTHER PALLET PILES AND ON-SITE STORAGE (WOOD PALLETS)

	WOOD PALLET SEPARATION DISTANCE (feet)		
	≤ 50 Pallets	51 to 200 Pallets	> 200 Pallets
Between pallet piles	7.5	15	45
Other on-site storage	7.5	15	45

For SI: 1 foot = 304.8 mm.

TABLE 315.7.6(4) SEPARATION FROM OTHER PALLET PILES AND ON-SITE STORAGE (PLASTIC PALLETS)

	PLASTIC PALLET SEPARATION DISTANCE (feet)		
	≤ 50 Pallets	51 to 200 Pallets	> 200 Pallets
Between pallet piles	15	40	75
Other on-site storage	15	40	75

For SI: 1 foot = 304.8 mm.

Pallets shall not be stored underneath high-voltage transmission lines, elevated roadways or elevated railways. IFC 315.7.7

Storage indoors shall comply with Chapter 32: High Piled Combustible Storage. IFC 315.7