

1301:7-7-13

Combustible dust-producing operations.**(A) Section 1301 General**

- (1) 1301.1 Scope. The equipment, processes and operations involving dust explosion hazards shall comply with the provisions of this rule.
- (2) 1301.2 Permits. Permits shall be required for combustible dust-producing operations as set forth in rule 1301:7-7-01 of the Administrative Code.

(B) Section 1302 Definitions

- (1) 1302.1 Definition. The following word and term shall, for the purposes of this rule and as used elsewhere in this code, have the meaning shown herein.

"Combustible dust." Finely divided solid material which is 420 microns or less in diameter and which, when dispersed in air in the proper proportions, could be ignited by a flame, spark or other source of ignition. Combustible dust will pass through a U.S. No. 40 standard sieve.

(C) Section 1303 Precautions

- (1) 1303.1 Sources of ignition. Smoking or the use of heating or other devices employing an open flame, or the use of spark-producing equipment is prohibited in areas where combustible dust is generated, stored, manufactured, processed or handled.
- (2) 1303.2 Housekeeping. Accumulation of combustible dust shall be kept to a minimum in the interior of buildings. Accumulated combustible dust shall be collected by vacuum cleaning or other means that will not place combustible dust into suspension in air. Forced air or similar methods shall not be used to remove dust from surfaces.

(D) Section 1304 Explosion protection

- (1) 1304.1 Standards. The fire code official is authorized to enforce applicable provisions of the codes and standards listed in Table 1304.1 of this rule to prevent and control dust explosions.

Table 1304.1 Explosion protection standards

Standard	Subject
NFPA 61 as listed in rule 1301:7-7-45 of	Agriculture and food products

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the Administrative Code	
NFPA 69 as listed in rule 1301:7-7-45 of the Administrative Code	Explosion prevention
NFPA 85 as listed in rule 1301:7-7-45 of the Administrative Code	Boiler and combustion systems hazards
NFPA 120 as listed in rule 1301:7-7-45 of the Administrative Code	Coal preparation plants
NFPA 480 as listed in rule 1301:7-7-45 of the Administrative Code	Magnesium solids and powders
NFPA 481 as listed in rule 1301:7-7-45 of the Administrative Code	Titanium
NFPA 482 as listed in rule 1301:7-7-45 of the Administrative Code	Zirconium
NFPA 650 as listed in rule 1301:7-7-45 of the Administrative Code	Conveying combustible particulate solids
NFPA 651 as listed in rule 1301:7-7-45 of the Administrative Code	Aluminum powder
<u>NFPA 484 as listed in rule 1301:7-7-45 of the Administrative Code</u>	<u>Combustible metals, metal powders and metal dusts</u>
NFPA 654 as listed in rule 1301:7-7-45 of the Administrative Code	<u>Chemical, dye, pharmaceutical and plastics Manufacturing, processing and handling of combustible particulate solids</u>
NFPA 655 as listed in rule 1301:7-7-45 of the Administrative Code	<u>Sulfur Prevention of sulfur fires and explosions</u>
NFPA 664 as listed in rule 1301:7-7-45 of the Administrative Code	Prevention of fires and explosions in wood processing and woodworking facilities
<u>The building code and NFPA 70 as listed in rule 1301:7-7-45 of the Administrative Code</u>	Electrical installations

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