

CHAPTER 13

COMBUSTIBLE DUST-PRODUCING OPERATIONS

SECTION 1301 GENERAL

1301.1 Scope. The equipment, processes and operations involving dust explosion hazards shall comply with the provisions of this chapter.

1301.2 Permits. Permits shall be required for combustible dust-producing operations as set forth in Section 105.6.

SECTION 1302 DEFINITIONS

1302.1 Definition. The following word and term shall, for the purposes of this chapter 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.

SECTION 1303 PRECAUTIONS

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.

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.

SECTION 1304 EXPLOSION PROTECTION

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

**TABLE 1304.1
EXPLOSION PROTECTION STANDARDS**

STANDARD	SUBJECT
<u>NFPA 61</u>	<u>Agricultural and Food Products</u>
<u>NFPA 69</u>	<u>Explosion Prevention</u>
<u>NFPA 85</u>	<u>Boiler and Combustion Systems Hazards</u>
<u>NFPA 120</u>	<u>Coal Preparation Plants</u>
<u>NFPA 484</u>	<u>Combustible Metals, Metal Powders and Metal Dusts</u>
<u>NFPA 654</u>	<u>Combustible Particulate Solids</u>
<u>NFPA 655</u>	<u>Sulfur</u>
<u>NFPA 664</u>	<u>Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities</u>
<u>ICC Electrical Code</u>	<u>Electrical Installations</u>

