

## CHAPTER 22

# COMBUSTIBLE DUST-PRODUCING OPERATIONS

### SECTION 2201 GENERAL

**2201.1 Scope.** The equipment, processes and operations involving dust explosion hazards shall comply with the provisions of this chapter.

**2201.2 Permits.** Permits shall be required for *combustible dust*-producing operations as set forth in Section 105.6.

### SECTION 2202 DEFINITION

**2202.1 Definition.** The following term is defined in Chapter 2:

#### COMBUSTIBLE DUST.

### SECTION 2203 PRECAUTIONS

**2203.1 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.

**2203.2 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 2204 EXPLOSION PROTECTION

**2204.1 Standards.** The *fire code official* is authorized to enforce applicable provisions of the codes and standards listed in Table 2204.1 to prevent and control dust explosions.

TABLE 2204.1  
EXPLOSION PROTECTION STANDARDS

STANDARD	SUBJECT
NFPA 61	Agricultural and Food Products
NFPA 69	Explosion Prevention
NFPA 70	National Electrical Code
NFPA 85	Boiler and Combustion System Hazards
NFPA 120	Coal Preparation Plants
NFPA 484	Combustible Metals
NFPA 654	Manufacturing, Processing and Handling of Combustible Particulate Solids
NFPA 655	Prevention of Sulfur Fires and Explosions
NFPA 664	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities

### SECTION 2205 DUST COLLECTION

**2205.1 Dust collection.** Dust collection systems shall be designed and installed in accordance with Section 510 of the *International Mechanical Code*. Electrical ventilation fan motors shall be interlocked in accordance with Section 503.1 of the *International Mechanical Code*.

**NOTE:** The *Oregon Mechanical Specialty Code*, Section 511.1.1, Exception 2, limits the number of independent collectors (portable collectors) to not more than three collectors, servicing not more than five dust-producing appliances.

