

# Seattle Fire Department

## Permit Conditions

7601

### Combustible Dust-Producing Operation

This permit shall be kept on the premises designated herein at all times and shall be readily available for inspection by the fire code official. [SFC 105.3.5]

#### GENERAL:

1. Dust-producing and dust-agitating machinery shall be provided with casing or enclosures maintained as nearly dust-tight as possible. [SFC 105.3]
2. Approved magnetic or pneumatic separators shall be installed ahead of shelters, crackers, crushers, grinding machines, pulverizers and similar machines in which the entrance of foreign materials could cause sparks to be generated. [SFC 105.3]
3. Suitable dust-collecting equipment shall be installed on all dust-producing machinery and interlocked with the machinery power supply so that the machinery cannot be operated without the dust-collection equipment also operating. [SFC 105.3]
4. Accumulation of combustible dust shall be kept at a minimum in the interior of buildings. Combustible dust on floors and other surfaces shall be collected by vacuum cleaning or other means that will not place combustible dust into suspension in air. Forced-air or similar devices shall not be used to remove dust from surfaces. [SFC 2203.4]
5. Artificial lighting in areas containing dust-producing or dust-agitating operations shall be by electricity with wiring and electrical equipment installed in accordance with the Seattle Electrical Code. [SFC 2204.1, NFPA 664 7.5]
6. Machinery and metal parts of crushing, drying, pulverizing and conveying systems shall be electrically grounded in accordance with the Electrical Code. [SFC 105.3]
7. Where equipment is subject to the accumulation of static electric charge, the accumulation of static electric charge shall be controlled by one of the following:
  - A. Permanent grounding and bonding of production equipment.
  - B. Grounded metal combs to provide discharge paths
  - C. Other means shown to be effective and acceptable to the fire code official [SFC 2204.1, NFPA 664 7.8.2]
8. 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. [SFC 2203.3]
9. A Dust Hazards Analysis (DHA) per NFPA 652 Section 7.1.2. for existing facilities by the owner/operator shall be completed. [SFC 2203.2]