

Ignition Sources



If all other four elements of the dust pentagon are present, any source of sparks or heat could potentially be an ignition source.

A (non-exhaustive) list of possible ignition sources that may exist are:

- Hot work, including cutting, welding, burning, brazing, and use of open flame heat.



- Friction forces on equipment including metal on metal, wood debris, and misaligned belts.

- Heating appliances including torches, open flame heaters, electrical space heaters, and furnaces.



- Human activities, like smoking.

- Electrical sources, including MCCs, PDCs, VFDs, etc.



- Static Electricity

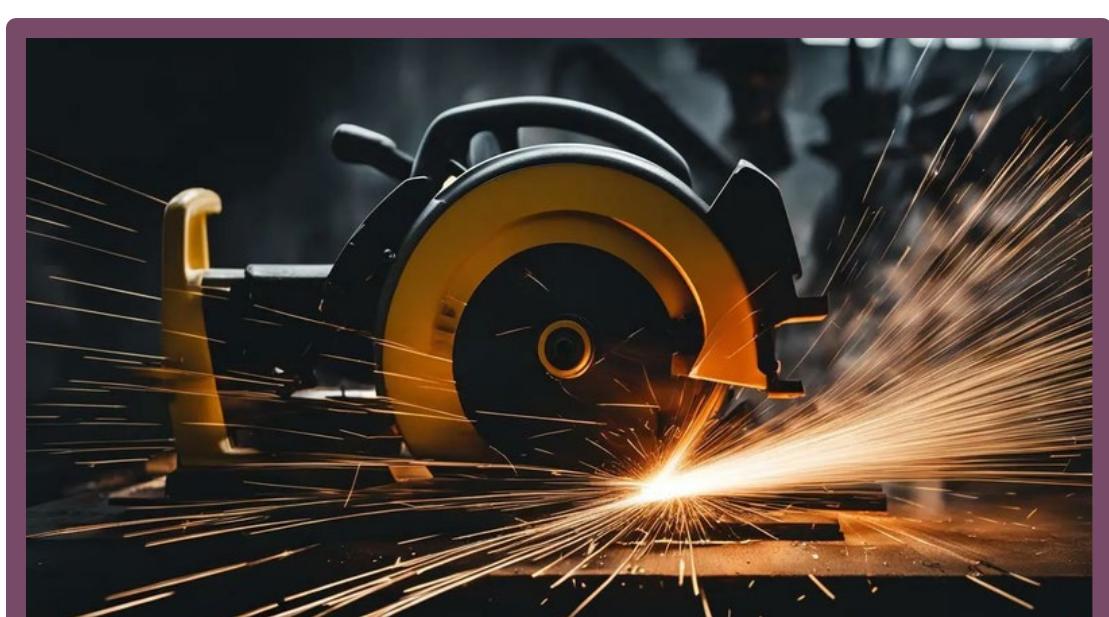


- Hydraulics

- Lighting

- Compressors

- Tramp Metal



- Hot surfaces (press plates, belts, etc.)



Divisions must identify all possible ignition sources in any location where primary or secondary dust can accumulate.

“Safety is a core value and business priority”