

DUST EXPLOSION PREVENTION CHECKLIST

HOUSEKEEPING



Vacuum daily with explosion-proof equipment



Immediately clean visible dust layers



Prioritize cleaning schedules in dusty areas

MAINTENANCE PROCEDURES



Implement hot work permit system



Conduct emergency drills quarterly

EXPLOSION PROTECTION



Verify relief vents and ductwork



Verify enclosure walls and seals



Install dust collection systems

MONITORING



Use thermal imaging to detect hot spots



Install spark and dust concentration sensors

IGNITION CONTROL



Ban smoking outside of designed areas



Install lighting rated for dust hazards



Maintain bearings and other moving parts