

**TCEQ Mechanical Sources**

**Current Maintenance, Startup, and Shutdown (MSS) Best Available Control Technology (BACT) Guidelines**

**Iron and Steel Industry**

Source Type	Pollutant	Minimum Acceptable Control	Details
Scrap Handling	Particulate Matter (PM)	Best management practices employed during maintenance, no additional controls required for startup and shutdown operations beyond Current BACT Guidelines, no bypassing of controls	Best management practices typically achieved when maintenance is conducted indoors, and roads are watered, and/or traffic and speed are reduced during maintenance
Raw Material Conveying and Storage	PM		
Electric Arc Furnaces	PM		
	NO <sub>x</sub>		
	CO		
	SO <sub>2</sub>		
	VOC		
Metallurgy Furnace	PM		
	NO <sub>x</sub>		
	CO		
	SO <sub>2</sub>		
	VOC		
Casting	PM		

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Source Type	Pollutant	Minimum Acceptable Control	Details
Ladles/Tundish/Preheat/Dryer/Operations	Products of Combustion (POC)	Best management practices employed during maintenance, no additional controls required for startup and shutdown operations beyond Current BACT Guidelines, no bypassing of controls	Best management practices typically achieved when maintenance is conducted indoors, and roads are watered, and/or traffic and speed are reduced during maintenance
Ladles/Tundish Prep Area	PM		
Billet Reheat Furnace	POC		
Rolling Mill	PM		
Mill Scale Processing	PM		
Core Sand Handling	PM		
Green Sand Handling	PM		
Sand Reclamation	PM		
Mold Shakeout	PM		
Plant Roads	PM		