

TCEQ Mechanical Sources

Historical Best Available Control Technology (BACT) Requirements

Iron and Steel Industry

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2008	Sand Handling	Particulate Matter (PM)	99% reduction, outlet grain loading ≤ 0.01 gr/dscf	Typically achieved with a baghouse
	Sand Reclamation	PM	50% reduction	Typically achieved by enclosure/within building
	Furnace	PM	Pipeline quality sweet natural gas firing and good combustion practices	
	Crucible Pot	Products of Combustion	Pipeline quality sweet natural gas firing and good combustion practices	
	Electric Induction Furnace	PM	No additional controls	
	Electric Arc Furnace	PM	Emission capture system meets ACGIH design. 99% reduction of emissions and an outlet grain loading ≤ 0.01 gr/dscf, unless subject to NSPS, then ≤ 0.0052 gr/dscf	