

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1627

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
BAGV1	Electric Arc Furnace (4) No. 1 and No. 2	PM ₁₀	6.00	19.80
		NO _x	2.54	4.20
		CO	40.00	105.00
		VOC	3.82	6.30
POURFUG1	Pouring Operations	PM	1.15	3.03
		PM ₁₀	0.04	0.12
		NO _x	<0.01	<0.02
		VOC	4.54	8.15
BAGV4	Shakeout Stations and Barrel Breakdown	PM ₁₀	6.52	17.52
		NO _x	0.01	<0.02
		VOC	3.03	8.15
BAGV5	Cooler Classifier System	PM ₁₀	0.37	1.62
		VOC	0.01	0.02
BAGV6	Thermal Sand Reclaimer System	PM ₁₀	1.63	6.10
		NO _x	0.82	3.07
		CO	0.31	1.18
		VOC	2.06	7.70
BAGV7	Five Sand Silos	PM ₁₀	2.57	10.87
		VOC	0.02	0.11

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
CO - carbon monoxide
- (4) Emissions are from both Furnace No. 1 and No. 2, with 50 percent of the emissions attributable to each source.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and parameters:

24 Hrs/day 7 Days/week 52 Weeks/year except as noted below:

<u>Source</u>	<u>Annual Allowable Hours</u>
Arc Furnaces	6,600
Shakeout/Barrel Breakdown	5,380
Cooler Classifier System	8,760
Thermal Sand Reclaimer	7,488
Sand Silos	8,451

The combined throughput for Electric Arc Furnace No. 1 and No. 2 is limited to 8.0 tons per hour and 42,000 tons per year throughput.

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated December 13, 2004