

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19793

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
65.18	Flash Dryer Baghouse Stack	PM <sub>10</sub>	0.75	3.29
		SO <sub>2</sub>	0.01	0.05
		NO <sub>x</sub>	2.52	11.04
		CO	0.63	2.76
		VOC	0.06	0.24
		NiO**	0.032	0.14
		V <sub>2</sub> O <sub>5</sub> **	0.019	0.083
		Al <sub>2</sub> O <sub>3</sub> **	0.517	2.196
67.05	Alumina Concentrate Bin Vent	PM <sub>10</sub>	0.02	0.08
		NiO**	0.0007	0.003
		V <sub>2</sub> O <sub>5</sub> **	0.0002	0.001
		Al <sub>2</sub> O <sub>3</sub> **	0.011	0.055
65.64	Coal Bin Vent	PM	0.02	0.01
		PM <sub>10</sub>	0.02	0.01
		C**	0.014	0.008
009	Electric Arc Furnace Scrubber Stack	PM <sub>10</sub>	1.57	5.00
		SO <sub>2</sub>	6.84	22.54
		CO	5.87	19.65
		NO <sub>x</sub>	0.53	1.76
		VOC	0.67	2.21
		NiO**	0.009	0.03
		V <sub>2</sub> O <sub>5</sub> **	0.003	0.011
		Al <sub>2</sub> O <sub>3</sub> **	0.374	1.221
010	Electric Arc Furnace Baghouse Stack	PM <sub>10</sub>	1.29	4.580
		NiO**	0.007	0.025
		V <sub>2</sub> O <sub>5</sub> **	0.004	0.013
		Al <sub>2</sub> O <sub>3</sub> **	1.222	3.980

011	Electric Arc Furnace Baghouse Stack	PM <sub>10</sub> ***	5.14	2.81
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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 area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>
- PM<sub>10</sub> - particulate matter equals to or less than 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
- C - carbon
- NiO - nickel oxide
- V<sub>2</sub>O<sub>5</sub> - vanadium pentoxide
- Al<sub>2</sub>O<sub>3</sub> - aluminum oxide

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

24 Hrs/day 7 Days/week 52 Weeks/year

Maximum electric arc furnace operation of 7,100 Hrs/yr

\*\*\* Maximum tapping and pouring operation of 2,100 Hrs/yr

\*\* These emissions are included in the total particulate at this source.

Dated \_\_\_\_\_