

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number: 75744

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
1	Sand Handling	PM/PM ₁₀	0.54	0.16
2	Induction Pot	PM	0.01	-
	Furnace Melting No. 1	PM ₁₀	0.008	-
3	Induction Pot	PM	0.01	-
	Furnace Melting No. 2	PM ₁₀	0.008	-
4	Induction Pot	PM	0.01	-
	Furnace Melting No. 3	PM ₁₀	0.008	-
2, 3, & 4	Induction Pot Furnace	PM	-	0.09
	Melting Operations	PM ₁₀	-	0.08
5	Pouring & Casting	PM/PM ₁₀	0.6	0.84
6	Casting Cooling	PM/PM ₁₀	0.3	0.42
7	Casting Cleaning	PM/PM ₁₀	0.02	0.03
		VOC	0.78	1.13
8	Charge Handling	PM/PM ₁₀	0.08	0.11
9	Boiler No. 1	PM ₁₀	<0.01	0.02
		VOC	<0.01	0.01
		NOx	0.06	0.26
		CO	0.05	0.22
		SO ₂	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
10	Boiler No. 2	PM ₁₀	<0.01	0.02
		VOC	<0.01	0.01
		NOx	0.06	0.26
		CO	0.05	0.22
		SO ₂	<0.01	<0.01
11	Oven No. 1	PM ₁₀	0.01	0.13
		VOC	<0.01	0.09
		NOx	0.15	1.64
		CO	0.13	1.38
		SO ₂	<0.01	0.01
12	Oven No. 2	PM ₁₀	0.01	0.13
		VOC	<0.01	0.09
		NOx	0.15	1.64
		CO	0.13	1.38
		SO ₂	<0.01	0.01
13	Furnace No. 1	PM ₁₀	0.02	0.5
		VOC	0.02	0.36
		NOx	0.3	6.57
		CO	0.25	5.52
		SO ₂	<0.01	0.04
14	Furnace No. 2	PM ₁₀	0.02	0.5
		VOC	0.02	0.36
		NOx	0.3	6.57
		CO	0.25	5.52
		SO ₂	<0.01	0.04
15	Furnace No. 3	PM ₁₀	0.02	0.5
		VOC	0.02	0.36

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			lb/hr	TPY
		NOx 0.3	6.57	
		CO 0.25	5.52	
		SO ₂ <0.01	0.04	
16	Emergency Diesel Generator	PM ₁₀	0.44	0.01
		TOC	0.5	0.01
		NOx 6.2	0.16	
		CO 1.36	0.03	
		SO ₂ 0.41	0.01	
17	Heater No. 1	PM ₁₀	<0.01	<0.01
		VOC <0.01	<0.01	
		NOx 0.03	0.07	
		CO 0.03	0.06	
		SO ₂ <0.01	<0.01	
18	Heater No. 2	PM ₁₀	<0.01	0.01
		VOC <0.01	0.01	
		NOx 0.05	0.18	
		CO 0.04	0.15	
		SO ₂ <0.01	<0.01	

(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 30 Texas Administrative Code Section 101.1

TOC - total organic compounds

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall

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			lb/hr	TPY

be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

HF - hydrogen fluoride

HBr - hydrogen bromide

HI - hydrogen iodide

NaOH - sodium hydroxide

* 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 or 8760 Hrs/year