

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 46926

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
B1	North Shell Area Baghouse Stack	PM <sub>10</sub>	0.43	1.80
		VOC	9.57	26.20
		Inorganics	0.16	0.50
B2	South Shell Area Baghouse Stack	PM <sub>10</sub>	0.64	2.70
		VOC	14.35	39.30
		Inorganics	0.24	0.75
B3	Warehouse Mixer Baghouse Stack	PM <sub>10</sub>	0.17	0.72
C1	Boiler Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
C2	Furnace 1 Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
C3	Furnace 2 Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
C4	Furnace 3 Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
C5	Furnace 4 Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
C6	Furnace 5 Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
C7	Furnace Hi-Vac Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
C8	Gas Heater 1 Vent	PM <sub>10</sub>	<0.01	0.03
		VOC	0.02	
		SO <sub>2</sub>	<0.01	
		NO <sub>x</sub>	0.39	
		CO	0.33	
C9	Gas Heater 2 Vent	PM <sub>10</sub>	<0.01	0.03
		VOC	0.02	
		SO <sub>2</sub>	<0.01	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates *	
				lb/hr	TPY
		NO <sub>x</sub>	0.09	0.39	
		CO	0.08	0.33	
C10	Gas Heater 3 Vent		PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.02	
		SO <sub>2</sub>	<0.01	<0.01	
		NO <sub>x</sub>	0.09	0.39	
		CO	0.08	0.33	
C11	Gas Heater 4 Vent		PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.02	
		SO <sub>2</sub>	<0.01	<0.01	
		NO <sub>x</sub>	0.09	0.39	
		CO	0.08	0.33	
C12	Gas Heater 5 Vent		PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.02	
		SO <sub>2</sub>	<0.01	<0.01	
		NO <sub>x</sub>	0.09	0.39	
		CO	0.08	0.33	
C13	Gas Heater 6 Vent		PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.02	
		SO <sub>2</sub>	<0.01	<0.01	
		NO <sub>x</sub>	0.09	0.39	
		CO	0.08	0.33	
C14	Gas Heater 7 Vent		PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.02	
		SO <sub>2</sub>	<0.01	<0.01	
		NO <sub>x</sub>	0.09	0.39	
		CO	0.08	0.33	
C15	Gas Heater 8 Vent		PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.02	
		SO <sub>2</sub>	<0.01	<0.01	
		NO <sub>x</sub>	0.09	0.39	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates *	
				lb/hr	TPY
		CO	0.08	0.33	
C16	Gas Heater 9 Vent	PM <sub>10</sub>		<0.01	0.03
		VOC	<0.01	0.02	
		SO <sub>2</sub>	<0.01	<0.01	
		NO <sub>x</sub>	0.09	0.39	
		CO	0.08	0.33	

(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) PM<sub>10</sub> - particulate matter equal 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.

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1.

SO<sub>2</sub> - sulfur dioxide

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

\* 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 8,400  
Hours/year

Maximum allowable production rate: 875 tons/year aluminum castings only

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

Dated\_\_\_\_\_