

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 158389

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, sources, and related activities. 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 (5)	
			lbs/hour	TPY (4)
BH-1	Melting and Casting Furnace Systems 1&2 Baghouse Stack (Melting and Casting Furnace System 1, natural gas-fired; Melting and Casting Furnace System 2, electric)	PM	1.04	4.54
		PM <sub>10</sub>	1.04	4.54
		PM <sub>2.5</sub>	1.04	4.54
		NO <sub>x</sub>	5.94	21.68
		CO	49.95	182.31
		CO (6)	93.65	-
		SO <sub>2</sub>	0.03	0.11
		VOC	0.28	1.02
FAN-2	Raw Material Crushing and Sorting Exhaust Fan Stack	PM	0.44	1.93
		PM <sub>10</sub>	0.44	1.93
		PM <sub>2.5</sub>	0.44	1.93
CTW-1-1	Cooling Tower 1-1	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
CTW-1-2	Cooling Tower 1-2	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
CTW-1-3	Cooling Tower 1-3	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

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

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

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

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PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities, except as specified in Special Condition Nos. 10 and 11, are not authorized by this permit and will need separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119.
- (6) During startup of FURN-1, for both furnace systems combined.

Date: December 22, 2020