

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 43831

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)
001	Chrome Tank Scrubber Stack	PM/PM <sub>10</sub>	0.002	0.009
		Cr	0.001	0.004
002	Abrasive Blast Room Fabric Filter Exhaust	PM	0.04	0.01
		PM <sub>10</sub>	0.003	0.002
004	Hot Water Heater Stack	PM/PM <sub>10</sub>	<0.002	<0.001
		NO <sub>x</sub>	0.02	<0.01
		CO	<0.02	<0.01
		SO <sub>2</sub>	<0.0001	<0.0001
		VOC	<0.001	<0.001
		Pb	9E-08	4E-08
006	Heat Treat Oven Stack (6)	PM/PM <sub>10</sub>	0.006	0.008
		NO <sub>x</sub>	0.08	0.11
		CO	0.07	0.09
		SO <sub>2</sub>	<0.001	<0.001
		VOC	0.004	0.006
		Pb	4E-07	6E-07
BLDG1-FUG	Grinding Machines (7)(8)	PM/PM <sub>10</sub>	<0.0001	<0.0001
BLDG2-FUG	Machine Shop (7)(8), Lathes, Milling Machines, and Polishers	PM/PM <sub>10</sub>	0.012	<0.001
BLDG3-FUG	Chrome Tanks, NaOH Tank, HCl Tank, Abrasive Blast Cabinet, and Rinse Tanks (7)(9)	PM/PM <sub>10</sub>	0.01	0.044
		Cr	0.004	0.017
		NaOH	0.001	0.002

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
		HCl	<0.0001	<0.0001

- (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<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> and PM<sub>2.5</sub>  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide  
HCl - hydrogen chloride  
NaOH - sodium hydroxide  
Pb - lead  
Cr - chromium
- (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 are not authorized by this permit.
- (6) Authorized by PBR 106.183
- (7) Fugitive emissions are an estimate only.
- (8) Operates per the authorization of Permit by Rule (PBR) 106. 265
- (9) Rinse Tanks authorized by PBR 106.375.

Dated: August 24, 2020