

Emission Sources - Maximum Allowable Emission Rates

Permit Number 37222

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)
SHAFT	Shaft Furnace Stack (Shaft Furnace, Acetylene Soot System, and Graphite System)	PM	2.13	6.07
		PM ₁₀	2.13	6.07
		PM _{2.5}	2.13	6.07
		CO	85.45	237.60
		NO _x	2.06	5.71
		SO ₂	0.04	0.10
		VOC	1.10	3.06
		H ₂ S	<0.01	<0.01
		HAP	0.03	0.07
		NH ₃	0.34	1.38

- (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_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 H₂S - hydrogen sulfide
 HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
 NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Planned maintenance, startup, shutdown (MSS) emissions are authorized via Permit by Rule No. 106.263 and are not included in the allowable emissions rates.

Date: November 9, 2020