

Emission Sources - Maximum Allowable Emission Rates

Permit Number 597

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
7A	Anode Scrap Furnace Stack	PM	19.00	80.50
		PM ₁₀	19.00	80.50
		Pb	0.30	1.28
		Sb	0.02	0.08
		Cu	11.59	49.11
		Se	0.12	0.52
		CO	200.00	847.20
		SO ₂	6.70	28.30
		NO _x	6.10	25.80
		VOC	5.00	21.20
		HAPs	-	1.88
F7	Furnace Fugitives (4)	PM	0.10	0.50
		PM ₁₀	0.10	0.50
Sitewide single HAP			-	<10
Sitewide total HAPs			-	<25

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

CO - carbon monoxide

Pb - lead

Sb - antimony

Se - selenium

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Cu - copper
HAPs - hazardous air pollutants.

(4) Fugitive emissions are an estimate only

(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

* Refer to Special Conditions for throughput limitations and basis of emission rates.

Date: August 16, 2021