

Emission Sources - Maximum Allowable Emission Rates

Permit Number 158434

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 (6)	
			lbs/hour	TPY (4)
1	Raw Material Handling (5)	PM	0.23	1.01
		PM ₁₀	0.11	0.48
		PM _{2.5}	0.02	0.07
2	Ring Crusher Baghouse Stack	PM	0.26	1.13
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.13	0.56
3	Rotary Thermal Scrap Dryer Baghouse Stack	PM	1.77	7.76
		PM ₁₀	1.58	6.90
		PM _{2.5}	1.37	5.98
		CO	0.53	2.34
		SO ₂	0.01	0.06
		NO _x	2.31	10.13
		VOC	0.11	0.47
		D/F	<0.01	<0.01
		Benzene	0.01	0.06
		HAP	0.52	2.28
4	Melt Department Building Roof Vents (5) (Twitch handling, Smelter/Converter Furnace Sidewall fugitives, and Launder and Ingot Mold Heater fugitives)	PM	0.46	1.93
		PM ₁₀	0.24	0.99
		PM _{2.5}	0.07	0.29
		CO	0.30	1.29
		SO ₂	<0.01	<0.01
		NO _x	0.34	1.50
		VOC	0.02	0.09
		HF	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		HCl	0.02	0.06
		D/F	<0.01	<0.01
		Benzene	<0.01	<0.01
		HAP	0.03	0.10
5	Smelter/Converter Furnace Hearth Stack	PM	0.22	0.98
		PM ₁₀	0.22	0.98
		PM _{2.5}	0.22	0.98
		CO	2.47	10.82
		SO ₂	0.02	0.08
		NO _x	2.65	11.61
		VOC	0.16	0.71
		HAP	0.07	0.29
6	Smelter/Converter Furnace Sidewell Baghouse Stack	PM	2.35	6.59
		PM ₁₀	1.93	5.40
		PM _{2.5}	1.72	4.83
		CO	9.89	27.73
		VOC	3.23	9.06
		HF	0.09	0.24
		HCl	0.64	1.80
		D/F	<0.01	<0.01
		Benzene	1.39	3.88
		HAP	3.07	8.61
7	Diesel Storage Tank	VOC	0.17	<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 (TAC) § 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

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PM ₁₀	- 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
HF	- hydrogen fluoride
HCl	- hydrogen chloride
D/F	- dioxins/furans
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

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities, except as specified in Special Condition Nos. 23 through 24, are not authorized by this permit and will need separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119.

Date: March 20, 2020