

Emission Sources - Maximum Allowable Emission Rates

Permit Number 52505

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 (9)	
			lbs/hour	TPY (4)
001	Building A Chrome Stack (6) (Chrome Tanks T1, T2, T3, and T4)	PM	0.00021	0.00092
		PM ₁₀	0.00021	0.00092
		PM _{2.5}	0.00021	0.00092
		Cr	0.0001	0.00044
002	Building B Chrome Stack (6) (Chrome Tanks T5 and T6)	PM	0.00031	0.0014
		PM ₁₀	0.00031	0.0014
		PM _{2.5}	0.00031	0.0014
		Cr	0.00015	0.00066
003	Building C Chrome Stack (6) (Chrome Tanks T7, T8, and T9)	PM	0.00048	0.0021
		PM ₁₀	0.00048	0.0021
		PM _{2.5}	0.00048	0.0021
		Cr	0.00023	0.001
004	Heat Treat Furnace Stack FIN: OV-1	PM	0.001	0.005
		PM ₁₀	0.001	0.005
		PM _{2.5}	0.001	0.005
		NO _x	0.015	0.06
		CO	0.012	0.05
		SO ₂	<0.0001	0.0004
		VOC	0.0008	0.004
006	Large Boiler Stack	PM	0.062	0.273

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		PM ₁₀	0.062	0.273
		PM _{2.5}	0.062	0.273
		NO _x	0.821	3.59
		CO	0.689	3.02
		SO ₂	0.005	0.022
		VOC	0.045	0.198
008	Water Evaporator EV-1 Stack	PM	<0.001	0.003
		PM ₁₀	<0.001	0.003
		PM _{2.5}	<0.001	0.003
		NO _x	0.009	0.04
		CO	0.008	0.034
		SO ₂	<0.0001	<0.001
		VOC	<0.001	0.002
PSBFUG1	Building Fugitives - Polk Street FINs: Chrome Tanks, Heat Treat Oven OV-1, Large Boiler, Evaporator, and Welding (5, 7, & 8)	PM	0.075	0.138
		PM ₁₀	0.075	0.138
		PM _{2.5}	0.075	0.138
		VOC	0.05	0.23
		Cr	0.012	0.054

- (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
Cr - chromium
- (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) Cr included in the PM, PM₁₀, and PM_{2.5}.
- (7) Trace quantities of chromium, cobalt, manganese and nickel may be included in the particulate matter.

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- (8) Chromium and nickel included in the particulate matter.
- (9) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: October 20, 2020