

Emission Sources - Maximum Allowable Emission Rates

Permit Number 21826

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)
F-1	Melting Furnace 1 Stack	CO	0.59	2.58
		HF	0.02	0.09
		NO _x	1.33	5.83
		PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
		SO ₂	<0.01	0.02
		VOC	0.04	0.17
F-2	Melting Furnace 2 Stack	CO	0.42	1.85
		HF	0.01	0.06
		NO _x	0.96	4.19
		PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
		SO ₂	<0.01	0.01
		VOC	0.04	0.12
F-4	Melting Furnace 4 Stack	CO	0.59	2.58
		HF	0.02	0.09
		NO _x	1.33	5.83
		PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
		SO ₂	<0.01	0.02
		VOC	0.04	0.17
DH-1	Holding Furnaces 2, 3, 14, 15, 16, 17, 19, 20 and Zinc Holding Furnace	CO	0.16	0.71
		NO _x	0.19	0.84

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		PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
		SO ₂	<0.01	0.01
		VOC	0.01	0.05
DH-2	Holding Furnaces 5 and 18	CO	0.04	0.16
		NO _x	0.04	0.19
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
		SO ₂	<0.01	<0.01
		VOC	<0.01	0.02
DH-4	Holding Furnace 11	CO	0.02	0.08
		NO _x	0.02	0.09
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
		SO ₂	<0.01	<0.01
		VOC	<0.01	<0.01
EF-1, 2 and 3	Holding Furnaces 21 and 22	CO	0.04	0.16
		NO _x	0.04	0.19
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
		SO ₂	<0.01	<0.01
		VOC	<0.01	0.01
EF-6	Holding Furnaces 25	CO	0.02	0.08
		NO _x	0.02	0.09
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
		SO ₂	<0.01	<0.01

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		VOC	<0.01	0.01
EF-7	Holding Furnaces 24 (Two furnaces)	CO	0.02	0.08
		NO _x	0.02	0.09
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		SO ₂	<0.01	<0.01
		VOC	<0.01	<0.01
EF-8	Holding Furnaces 23 (Two furnaces)	CO	0.02	0.08
		NO _x	0.02	0.09
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		SO ₂	<0.01	<0.01
		VOC	<0.01	<0.01
WDC	Wheelabrator Cartridge Filter Vent	PM	1.15	5.03
		PM ₁₀	1.15	5.03
		PM _{2.5}	1.15	5.03

- (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)
 - CO - carbon monoxide
 - HF - hydrogen fluoride
 - NO_x - total oxides of nitrogen
 - 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
 - SO₂ - sulfur dioxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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.

Date October 3, 2023