

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 9399 and PSDTX624

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)	
			lb/hour	TPY (4)
39WP-K	Kiln	PM	57.0	226.0
		PM ₁₀	51.3	220.0
		VOC	9.0	38.0
		NO _x (6)	135.3	592.6
		SO ₂	645.0	1700.0
		CO	75.0	329.0
		HCl	2.27	9.95
		H ₂ SO ₄	25.0	110.0
60WP-CCT	Coke Conveyor Dust Collector Vent	PM	0.16	0.71
		PM ₁₀	0.16	0.71
61WP-CSV	Coke Silo Dust Collector Vent	PM	0.1	0.44
		PM ₁₀	0.1	0.44
77	Flexi-Coke Silo Vent	PM	0.2	0.8
		PM ₁₀	0.1	0.4
51WP-CC	Clinker Cooler ESP Stack	PM	4.2	16.6
		PM ₁₀	2.1	8.3
F-62	Coke Storage Areas (7)	PM	--	4.3
MSSFUG1	Inherently Low Emitting (ILE) Sitewide Planned Maintenance Activities	NO _x	<0.01	<0.01
		CO	0.12	<0.01
		SO ₂	<0.01	<0.01
		PM	0.79	0.66
		PM ₁₀	0.44	0.39
		PM _{2.5}	0.13	0.11
		VOC	0.05	<0.01

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MSSFUG2	ILE planned maintenance of storage tanks (gasoline tank, diesel tank, and used oil tank) (8)	VOC	0.75	0.01
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- (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
- HCl - hydrogen chloride
- H₂SO₄ - sulfuric acid
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup, and shutdown emissions are included.
- (6) Compliance will be based on a 30-day rolling average.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (8) These storage tanks are authorized under Permit No. 49057.

Date: March 31, 2014