

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 24213 and PSDTX54

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)
5-EP-1	Lime Kiln No. 5	CO	22.9	96.0
		SO ₂	13.9	57.8
		PM	7.4	30.8
		PM ₁₀	7.4	30.8
		VOC	1.02	3.90
		HCl	0.4	1.24
6-AS-1	Lime Kiln No. 6	CO	38.6	158.3
		SO ₂	58.2	237.1
		PM	9.0	36.8
		PM ₁₀	9.0	36.8
		VOC	1.0	3.8
		HCl	0.5	1.7
5-EP-1 and 6-AS-1	Kiln Nos. 5 and 6 combined emissions	NO _x (6)	233.2	1027.4
6-AS-2	Dust Bin Dust Collector	PM	0.36	1.58
		PM ₁₀	0.36	1.58
6-AS-3	Dust Bin Loadout Dust Collector	PM	0.13	0.56
		PM ₁₀	0.13	0.56
6-AS-4	Nos. 5 and 6 Kiln Cooler Area Dust Collector	PM	0.51	2.25
		PM ₁₀	0.51	2.25
MSSFUG	Sitewide Inherently Low Emitting (ILE) Planned Maintenance Activities	NO _x	<0.01	<0.01
		VOC	1.14	<0.01
		PM	1.08	1.93
		PM ₁₀	0.52	0.92
		PM _{2.5}	0.10	0.13

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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
SO ₂	-	sulfur dioxide
PM	-	total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
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
HCl	-	hydrogen chloride
- (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) Hourly NO_x emission rates are based on a rolling 30-day average.

Date: May 15, 2014