

Emission Sources - Maximum Allowable Emission Rates

Permit Number 56552

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	
			lbs/hour	TPY (4)
MAINSTACK	Kilns 2, 3, and 4 and Waste Heat Boiler Nos. 5, 6, and 7	NO _x	113.77	498.31
		CO (5)	83.5	365.73
		SO ₂	78	342
		PM ₁₀	27.1	118.69
		PM _{2.5}	24.9	108.9
		VOC	22.14	96.98
K2FUGITIVE	Kiln 2 Fugitives (6)	PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
K3FUGITIVE	Kiln 3 Fugitives (6)	PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
K4FUGITIVE	Kiln 4 Fugitives (6)	PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
K2EMERSTK	Maintenance / Start-Up / Shutdown Kiln 2	NO _x	---	0.1
		CO	---	15.3
		SO ₂	---	0.02
		PM ₁₀	---	2.9
		PM _{2.5}	---	2.7
		VOC	---	3.6
		H ₂ S	---	0.6
K3EMERSTK	Maintenance / Start-Up / Shutdown Kiln 3	NO _x	---	0.1
		CO	---	15.3
		SO ₂	---	0.02
		PM ₁₀	---	2.9

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		PM _{2.5}	---	2.7
		VOC	---	3.6
		H ₂ S	---	0.6
K4EMERSTK	Maintenance / Start-Up / Shutdown Kiln 4	NO _x	---	0.1
		CO	---	15.3
		SO ₂	---	0.02
		PM ₁₀	---	2.9
		PM _{2.5}	---	2.7
		VOC	---	3.6
		H ₂ S	---	0.6
ASHPIT	Ashpit Fugitives (6)	PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
REFRACPIT	Refractory Pit Fugitives (6)	PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
AREAADCVNT	Lignite Furnace Product (LFP) Conveyors from Kilns 2, 3, and 4	PM ₁₀	0.51	2.25
		PM _{2.5}	0.05	0.22
1BKBNDCKSK	No. 1 Bulk Bin Dust Collector Stack	PM ₁₀	0.1	0.45
		PM _{2.5}	0.01	0.04
2BKBNDCKSK	No. 2 Bulk Bin Dust Collector Stack	PM ₁₀	0.1	0.45
		PM _{2.5}	0.01	0.04
HDRBNSDCSK	HydroDarco (HDR) Blend Bins Dust Collector Stack	PM ₁₀	0.03	0.11
		PM _{2.5}	< 0.01	0.01
FGTVSTORAG	General Plant Fugitive Emissions	PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
HCLSRBRVNT	Main HCl Storage Tanks Scrubber Vent	PM ₁₀	0.19	0.83
		PM _{2.5}	0.18	0.8
LIMETANK2	Lime Tank No. 2	PM ₁₀	0.02	0.09
		PM _{2.5}	0.01	0.03

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GASFUELING	Gasoline Fueling Pump	VOC	4.62	0.5
DIESFUELING	Diesel Fueling Pump	VOC	0.46	0.05

- (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
H₂S - hydrogen sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) The CO concentration from EPN MAINSTACK shall be calculated on a 30 day rolling average.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: November 10, 2015