

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. 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 *	
			lb/hr	TPY**
FGTVTRNSFR	Lignite Transfer Fugitives to Kilns 2, 3, and 4	PM ₁₀	0.05	0.20
WILLMILL	Williams Mill (4)	PM ₁₀	0.60	2.63
MAINSTACK	Kilns 2, 3, and 4	NO _x	113.77	498.31
		CO (5)	83.50	365.73
		SO ₂	78.00	342.00
		PM ₁₀	27.10	118.69
		VOC	22.14	96.98
K2FUGITIVE	Kiln 2 Fugitives (4)	PM ₁₀	0.0001	0.0004
K3FUGITIVE	Kiln 3 Fugitives (4)	PM ₁₀	0.0001	0.0004
K4FUGITIVE	Kiln 4 Fugitives (4)	PM ₁₀	0.0001	0.0004
K2EMERSTK	Maintenance/Start-Up/ Shutdown Kiln 2	NO _x	---	0.1
		CO	---	15.3
		SO ₂	---	0.02
		PM ₁₀	---	2.9
		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
		VOC	---	3.6
		H ₂ S	---	0.6

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
K4EMERSTK	Maintenance/Start-Up/ Shutdown Kiln 4	NO _x	---	0.1
		CO	---	15.3
		SO ₂	---	0.02
		PM ₁₀	---	2.9
		VOC	---	3.6
		H ₂ S	---	0.6
ASHPIT	Ashpit Fugitives (4)	PM ₁₀	0.0005	0.002
REFRACPIT	Refractory Pit Fugitives (4)	PM ₁₀	0.0005	0.002
AREAADCVENT	LFP Conveyors from Kilns 2, 3, and 4	PM ₁₀	0.51	2.25
1BKBNDCSK	No. 1 Bulk Bin Dust Collector Stack	PM ₁₀	0.1	0.45
2BKBNDCSK	No. 2 Bulk Bin Dust Collector Stack	PM ₁₀	0.1	0.45
HDRBNSDCSK	HDR Blend Bins Dust Collector Stack	PM ₁₀	0.03	0.11
FGTVSTORAG	General Plant Fugitive Emissions (4)	PM ₁₀	0.0009	0.004
HCLSRBRVNT	Main HCl Storage Tanks Scrubber Vent	PM ₁₀	0.19	0.83
NAOHTNKVNT	Main 50 Percent NaOH Storage Tank	PM ₁₀	0.11	0.50
LIMETANK2	Lime Tank No. 2	PM ₁₀	0.02	0.09

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			lb/hr	TPY**
GASFUELING	Gasoline Fueling Pump	VOC	4.62	0.50
DIESFUELING	Diesel Fueling Pump	VOC	0.46	0.05
WWCOOLTOWER	Wastewater Treatment Plant Cooling Tower	PM ₁₀	0.12	0.51

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The CO concentration from EPN MAINSTACK shall be calculated on a 30-day rolling average.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated November 19, 2004