

Emission Sources - Maximum Allowable Emission Rates

Permit Number 48992

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 (6)	
			lbs/hour	TPY (4)
OK-1	Plant 1 Kiln Stack	NO _x	3.48	13.74
		CO	11.94	47.10
		VOC	1.50	6.57
		HF	6.60	20.83
		HCl	22.04	69.56
		SO ₂	61.09	192.77
		PM	9.55	37.68
		PM ₁₀	8.66	34.15
		PM _{2.5}	8.66	34.15
DR-OLD-A	Plant 1 Dryer Stack	VOC	0.30	1.18
		PM	1.86	7.34
		PM ₁₀	1.86	7.34
		PM _{2.5}	1.86	7.34
DR-1	Plant 2 Dryer 1 Stack	NO _x	0.60	2.62
		CO	1.89	8.29
		VOC	0.18	0.80
		SO ₂	0.08	0.33
		PM	1.14	5.00
		PM ₁₀	1.14	5.00
		PM _{2.5}	1.14	5.00

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DR-2	Plant 2 Dryer 2 Stack	NO _x	0.60	2.62
		CO	1.89	8.29
		VOC	0.18	0.80
		SO ₂	0.08	0.33
		PM	1.14	5.00
		PM ₁₀	1.14	5.00
		PM _{2.5}	1.14	5.00
NK-1	Plant 2 Kiln Dry-lime Injected Fabric Filter Stack	NO _x	4.33	19.25
		CO	14.73	64.64
		VOC	1.51	6.60
		HF	0.40	1.58
		HCl	0.81	2.84
		SO ₂	51.97	182.07
		PM	5.13	22.51
		PM ₁₀	5.13	22.51
		PM _{2.5}	5.13	22.51
CLAYSTOR	Raw Clay Material Handling/Stockpile (5)	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
BMFUG	Brick Manufacturing Fugitives (5)	PM	0.03	0.04
		PM ₁₀	0.02	0.02
		PM _{2.5}	<0.01	<0.01

NK-1BYP	Plant 2 Kiln Bypass	NO _x	4.27	0.75
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		CO	14.63	2.56
		VOC	1.50	0.26
		HF	8.09	1.13
		HCl	27.01	3.79
		SO ₂	74.84	10.49
		PM	11.70	2.05
		PM ₁₀	10.61	1.86
		PM _{2.5}	10.61	1.86
NGSF	Consolidated Grinding and Screening (5)	PM	0.64	0.42
		PM ₁₀	0.04	0.03
		PM _{2.5}	0.01	<0.01
EAGLCRSH	Raw Material Crushing Fugitives (5)	PM	0.03	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
NOCO	Conveying Operations (5)	PM	0.13	0.08
		PM ₁₀	0.06	0.04
		PM _{2.5}	0.01	0.01
WLHS	Waste Lime Handling System (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01

- (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} -total particulate matter equal to or less than 2.5 microns in diameter

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CO -carbon monoxide
HF -hydrogen fluoride
HCl -hydrogen chloride

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities for routine maintenance of the Plant 2 kiln are authorized through the Plant 2 kiln bypass (NK-1BYP). No other maintenance activities are authorized by this permit.

Date: April 5, 2013