

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 5296 and PSDTX24M1

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)
GID34EX	Kiln No. 2 Stack (6)	NO _x	446.4	1955.2
		SO ₂	87.0	381.1
		VOC	15.1	66.1
		CO	95.9	420.0
		PM	22.0	96.4
		PM ₁₀	10.0	43.8
		H ₂ SO ₄	0.4	1.6
GID6EX	Clinker Cooler	PM ₁₀	7.2	31.5
FCBT-3	Clinker Belt Transfer (7)	TSP	0.88	3.51
		PM ₁₀	0.42	1.66
FGL-1	Loader Road Emissions (7)	TSP	2.7	0.15
		PM ₁₀	1.2	0.67
FCLB-2	No. 2 Cooler Drops (7)	TSP	0.28	1.14
		PM ₁₀	0.13	0.54
FCLB-3	Vibration Conveyor Drop (7)	TSP	0.255	0.96
		PM ₁₀	0.12	0.46
FCLB-4	Drag Chain Drop (7)	TSP	0.28	1.14
		PM ₁₀	0.13	0.54
FCLSP-2	Clinker Store Windblown (7)	TSP	0.04	0.19
		PM ₁₀	0.03	0.12
FGSP-4	Additives Windblown (7)	TSP	0.02	0.11
		PM ₁₀	0.02	0.07
FLCB-5	Drop to Stacker Belt (7)	TSP	0.88	3.51
		PM ₁₀	0.41	1.66

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FCLCP	Drop to Clinker Build (7)	TSP	0.53	2.10
		PM ₁₀	0.25	1.00
FGSP-1	Additives Unloading Drop (7)	TSP	0.88	0.18
		PM ₁₀	0.42	0.9
FGSP-2	Drop to Storage Piles (7)	TSP	1.76	0.36
		PM ₁₀	0.83	0.17
FGSP-3	Drop to Feeder Piles (7)	TSP	1.75	0.36
		PM ₁₀	0.83	0.17
FCLT-1	Underground Belt Drops (7)	TSP	0.77	2.21
		PM ₁₀	0.36	1.05
MSSFUG1	Inherently Low Emitting (ILE) Planned Maintenance Activities	NO _x	0.02	<0.01
		CO	0.41	0.01
		PM	0.15	0.02
		PM ₁₀	0.06	0.01
		PM _{2.5}	0.03	<0.01
		VOC	2.32	0.29
MSSFUG2	non-ILE Planned Maintenance Activities	PM	0.91	1.33
		PM ₁₀	0.91	1.33
		PM _{2.5}	0.45	0.66

- (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
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 (MSS) emissions are included.
- (6) Kiln No. 2 is authorized by this Permit No. 5296, and Kiln No. 1 is authorized by Permit No. 8410; the emissions during MSS for the kilns are no higher than during routine operations.

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- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: April 2, 2014