

Emission Sources - Maximum Allowable Emission Rates

Permit Number 5337

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 (4)	
			lbs/hour	TPY (5)
E3-1	Kiln Scrubber Stack	SO ₂	1,000	4,380
		NO _x	190	832
		CO	59	258
		VOC	78	342
		PM	49.7	218
		PM ₁₀	24.9	109
		PM _{2.5}	24.9	109
E3-3	Coal/coke Drop to Rail Hopper	PM	0.24	0.05
		PM ₁₀	0.24	0.05
E3-3a	Rail Hopper Drop to Belt	PM	0.07	0.01
		PM ₁₀	0.07	0.01
E3-3b	Belt to Truck or Pile	PM	0.07	0.01
		PM ₁₀	0.07	0.01
E3-3c	Truck to Pile	PM	0.24	0.05
		PM ₁₀	0.24	0.05
E3-5	Front End Loader Drop to Feed Hopper	PM	0.04	0.05
		PM ₁₀	0.04	0.05
E3-5a	Feed Hopper Drop to Belt	PM	0.01	0.01
		PM ₁₀	0.01	0.01

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E3-5b	Belt Drop to Coal Bin	PM	0.01	0.01
		PM ₁₀	0.01	0.01
E3-5c	Coal Bin Drop to Weigh Belt	PM	0.003	0.014
		PM ₁₀	0.003	0.014
E3-5d	Weigh Belt to Coal Mill	PM	0.003	0.014
		PM ₁₀	0.003	0.014
E3-6	Coal and Coke Stockpile	PM	--	2.3
		PM ₁₀	--	2.3
E3-6a	Emergency Storage Pile	PM	--	0.58
		PM ₁₀	--	0.58
MSS-FUG	Planned maintenance of material handling facilities	PM	0.04	<0.01
		PM ₁₀	0.02	<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. Except for EPN E3-1, the kiln exhaust stack, all sources on this table are fugitive sources. Fugitive emission rates are estimates and are enforceable through compliance with the applicable special conditions and permit application representations.
- (3) SO₂ - sulfur dioxide
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1
PM - particulate matter emissions as defined in Title 30 TAC § 101.1, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter emissions equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - direct particulate matter emissions equal to or less than 2.5 microns in diameter
- (4) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (5) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

October 31, 2014