

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 8434 and PSDTX441M2

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)
LK-3	Lime Kiln No. 3 Baghouse Stack	NO _x (6)	75.00	328.50
		CO (6)	87.37	382.68
		PM (6)	4.37	19.14
		PM ₁₀ (6)	4.37	19.14
		PM _{2.5} (6)	2.14	9.38
		SO ₂ (6)	39.13	171.37
		H ₂ SO ₄	0.86	3.77
		VOC	5.60	24.53
		HCl	0.88	3.85
STOCK3	Kiln No. 3 Stone Stockpile (7)	PM	0.97	4.26
		PM ₁₀	0.49	2.13
		PM _{2.5}	0.07	0.32
REJECT2	Kiln No. 3 Reject Stockpile (7)	PM	0.01	0.06
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	<0.01
CC-1	Coke Crusher (7), (8)	PM	0.02	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FUG-2	Fuel Handling (7), (8)	PM	0.16	0.09
		PM ₁₀	0.07	0.04
		PM _{2.5}	0.01	<0.01
FUG-2	Fuel Stockpile (7), (8)	PM	0.09	0.39

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		PM ₁₀	0.04	0.19
		PM _{2.5}	<0.01	0.03
FUG-3	Fuel Handling (7), (8)	PM	0.05	0.05
		PM ₁₀	0.02	0.02
		PM _{2.5}	<0.01	<0.01
FUG-3	Fuel Stockpile (7), (8)	PM	0.12	0.52
		PM ₁₀	0.06	0.26
		PM _{2.5}	<0.01	0.04
DC-5	1513 Feeder Baghouse	PM	0.13	0.57
		PM ₁₀	0.13	0.57
		PM _{2.5}	0.06	0.28
DC-6	1604 and 1615	PM	0.13	0.57
		PM ₁₀	0.13	0.57
		PM _{2.5}	0.06	0.28
DC-19	1217 Solid Fuel Mill Fan Baghouse	NO _x	0.34	1.50
		CO	0.29	1.26
		PM	0.50	2.17
		PM ₁₀	0.50	2.17
		PM _{2.5}	0.24	1.06
		VOC	0.02	0.08
		SO ₂	0.26	1.13
DC-20	Pulverized Solid Fuel Bin Baghouse	PM	0.07	0.31
		PM ₁₀	0.07	0.31
		PM _{2.5}	0.03	0.15
DC-26	Limestone Hopper Baghouse	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.04	0.18

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DC-27	Raw Solid Fuel Bins Baghouse	PM	0.08	0.34
		PM ₁₀	0.08	0.34
		PM _{2.5}	0.04	0.17
DC-28	Trommel Screen Baghouse	PM	0.17	0.76
		PM ₁₀	0.17	0.76
		PM _{2.5}	0.08	0.37

- (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
- HCl - hydrogen chloride
- H₂SO₄ - sulfuric acid mist
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup, and shutdown emissions are included.
- (6) These emissions are permitted under Prevention of Significant Deterioration (PSD) and State.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (8) These EPNs are included in Permit Number 23214 and Permit Numbers 4335A and PSDTX31; the emission rates listed here are for emissions allocated to the Kiln No. 3 (EPN LK-3) operation.

Date: September 14, 2021