

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 6629 and PSDTX114

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)
RK300	Coke and Coal Section Fugitives (6)	PM	0.05	0.10
		PM ₁₀	0.02	0.05
		PM _{2.5}	<0.01	0.01
C&S001A	Crushing and Screening 'A' Section Fugitives (6)	PM	8.28	8.67
		PM ₁₀	3.38	3.54
		PM _{2.5}	1.69	1.77
C&S001C	Crushing and Screening 'C' Section Fugitives (6)	PM	5.42	5.67
		PM ₁₀	2.19	2.30
		PM _{2.5}	1.10	1.15
RK107	Kiln Nos. 1 and 2 Dust Stockpile (6)	PM	0.01	0.05
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	0.01
RKS1&2	Kiln Nos. 1 and 2 Fugitives (6)	PM	0.17	0.76
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.04	0.19
RKS3	Kiln No. 3 Stockpile Fugitives (6)	PM	0.09	0.37
		PM ₁₀	0.04	0.19
		PM _{2.5}	0.02	0.09
RK288	Kiln Nos. 1 and 2 Cyclone and Wet Scrubber Stack	NO _x	106.10	437.30
		SO ₂	117.80	485.50
		PM	48.20	198.90
		PM ₁₀	48.20	198.90
		PM _{2.5}	48.20	198.90
		CO	44.10	181.80
		VOC	0.90	3.70

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RK213	Kiln No. 3 Baghouse Stack	NO _x	118.50	425.50
		SO ₂	28.50	102.30
		PM	13.50	48.60
		PM ₁₀	13.50	48.60
		PM _{2.5}	13.50	48.60
		CO	38.30	137.90
		VOC	1.00	3.60
RK133	Kiln No. 1 Rejects Bin (6)	PM	3.66	2.00
		PM ₁₀	3.66	2.00
		PM _{2.5}	1.83	1.00
RK233	Kiln No. 2 Rejects Bin (6)	PM	3.66	2.00
		PM ₁₀	3.66	2.00
		PM _{2.5}	1.83	1.00
RK218	Kiln No. 3 Dust Bin Dust Collector Stack	PM	0.17	0.75
		PM ₁₀	0.17	0.75
		PM _{2.5}	0.04	0.19
RK161	Wet Fines Bin (6)	PM	0.13	0.55
		PM ₁₀	0.13	0.55
		PM _{2.5}	0.06	0.27
RK508	Product Tower Dust Collector Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	0.26	1.13
SK004	West Bin No. 4 Dust Collector Stack	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
SK005	West Bin No. 5 Dust Collector Stack	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
RK528A	Quicklime Product Bin Nos. 1, 4, and 6 Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39

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		PM _{2.5}	0.02	0.10
RK529A	Quicklime Product Bin Nos. 2, 5, and 7 and Reclaim Bin No. 3 Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK532	Quicklime Product Bin No. 8 Dust Collector Stack	PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.02	0.07
RK537	Off Spec Pebble Loadout (6)	PM	9.17	1.37
		PM ₁₀	9.08	1.28
		PM _{2.5}	4.51	0.61
BP006	Pebble Bagging Dust Collector Stack	PM	0.32	1.41
		PM ₁₀	0.32	1.41
		PM _{2.5}	0.08	0.35
PP015	Bulk Pulverizer Dust Collector Stack	PM	0.13	0.56
		PM ₁₀	0.13	0.56
		PM _{2.5}	0.03	0.14
PP004DCL	Pulverizer Loadout Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK525DCL	Product Bin No. 1 Loadout Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK526DCL	Product Bin No. 2 Loadout Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK528DCL	Product Bin No. 4 Loadout Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK529DCL	Product Bin No. 5 Loadout Dust Collector Stack	PM	0.09	0.39

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		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK530DCL	Product Bin No. 6 Loadout Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK531DCL	Product Bin No. 7 Loadout Dust Collector Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
P013	Pulverized Quicklime Bagger (6)	PM	0.66	2.89
		PM ₁₀	0.66	2.89
		PM _{2.5}	0.33	1.45
HH586	Hydrate Bin Nos. 3, 4, 5, and 6 Dust Collector Stack	PM	0.47	2.06
		PM ₁₀	0.47	2.06
		PM _{2.5}	0.12	0.52
DC-4113-1	Zeropoll	PM	0.43	1.88
		PM ₁₀	0.43	1.88
		PM _{2.5}	0.43	1.88
DC-3007-1	Crusher Baghouse	PM	0.26	1.13
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.26	1.13
DC-4401-1	Cage Mill Baghouse	PM	0.64	2.82
		PM ₁₀	0.64	2.82
		PM _{2.5}	0.64	2.82
DC-4010-1	Bin 4010 Vent	PM	0.08	0.33
		PM ₁₀	0.08	0.33
		PM _{2.5}	0.08	0.33
DC-4466-1	Filter Receiver Fan	PM	0.10	0.43
		PM ₁₀	0.10	0.43
		PM _{2.5}	0.10	0.43

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LBH36	Hydrate Loadout Dust Collector Stack	PM	0.15	0.66
		PM ₁₀	0.15	0.66
		PM _{2.5}	0.04	0.16
BH033	Hydrate Baggers Dust Collector Stack	PM	0.47	2.06
		PM ₁₀	0.47	2.06
		PM _{2.5}	0.12	0.52
SK001	West Bin No. 1 Dust Collector Stack	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
SK002	West Bin No. 2 Dust Collector Stack	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
SK003	West Bin No. 3 Dust Collector Stack	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
RK217	Kiln No. 3 Dust Bin (6)	PM	0.18	0.08
		PM ₁₀	0.18	0.08
		PM _{2.5}	0.09	0.04
LBH23	Hydrate Bin Nos. 1 and 2 Dust Collector Stack	PM	0.15	0.66
		PM ₁₀	0.15	0.66
		PM _{2.5}	0.04	0.16
RK223	Apron Conveyor Dust Collector Stack	PM	0.26	1.13
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.06	0.28
PP009	Pulverized Product Bin Dust Collector Stack	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
RK537A	Product Loading Blowback (6)	PM	0.06	<0.01
		PM ₁₀	0.06	<0.01

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		PM _{2.5}	0.03	<0.01
RK550	Product Loading (6)	PM	1.83	1.26
		PM ₁₀	1.83	1.26
		PM _{2.5}	0.92	0.63
BH036	Hydrate Bagging (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.01
LBH36-2	Hydrate Loading Spout (6)	PM	0.31	0.96
		PM ₁₀	0.31	0.96
		PM _{2.5}	0.15	0.48
TANKAWLT	Diesel Storage Tank	VOC	0.06	0.01
TANKGAS	Gasoline Storage Tank	VOC	23.44	1.16
TANKQUAR	Quarry Diesel Storage Tank	VOC	0.06	<0.01
TANKQUAR2	Quarry Diesel Tank No. 2	VOC	0.06	<0.01
TANKRACK	Fuel Loading Rack	VOC	5.94	2.97
MSSFUG	Inherently Low Emitting (ILE) Planned Maintenance Activities (6)	PM	0.19	0.02
		PM ₁₀	0.09	0.01
		PM _{2.5}	0.014	0.001

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

Date: December 28, 2022