

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	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	NO _x	106.1	437.3
		SO ₂	117.8	485.5
		PM	48.2	198.9
		PM ₁₀	48.2	198.9
		PM _{2.5}	48.2	198.9

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RK213	Kiln No. 3	CO	44.1	181.8
		VOC	0.9	3.7
		NO _x	118.5	425.5
		SO ₂	28.5	102.3
		PM	13.5	48.6
		PM ₁₀	13.5	48.6
		PM _{2.5}	13.5	48.6
		CO	38.3	137.9
RK133	Kiln No. 1 Rejects Bin	VOC	1.0	3.6
		PM	3.66	2.00
		PM ₁₀	3.66	2.00
RK233	Kiln No. 2 Rejects Bin	PM _{2.5}	1.83	1.00
		PM	3.66	2.00
		PM ₁₀	3.66	2.00
RK218	Kiln No. 3 Dust Bin	PM _{2.5}	1.83	1.00
		PM	0.17	0.75
		PM ₁₀	0.17	0.75
RK161	Wet Fines Bin	PM _{2.5}	0.04	0.19
		PM	0.13	0.55
		PM ₁₀	0.13	0.55
RK508	Product Tower	PM _{2.5}	0.06	0.27
		PM	1.03	4.51
		PM ₁₀	1.03	4.51
SK004	West Bin No. 4	PM _{2.5}	0.26	1.13
		PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
		PM		
		PM ₁₀		

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SK005	West Bin No. 5	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	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK529A	Quicklime Product Bin Nos. 2, 5, and 7 and Reclaim Bin No. 3	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK532	Quicklime Product Bin No. 8	PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.02	0.07
RK537	Off Spec Pebble Loadout	PM	9.00	1.20
		PM ₁₀	9.00	1.20
		PM _{2.5}	4.50	0.60
BP006	Pebble Bagging	PM	0.32	1.41
		PM ₁₀	0.32	1.41
		PM _{2.5}	0.08	0.35
PP015	Bulk Pulverizer	PM	0.13	0.56
		PM ₁₀	0.13	0.56
		PM _{2.5}	0.03	0.14
PP004DCL	Pulverizer Loadout	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK525DCL	Product Bin No. 1 Loadout	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK526DCL	Product Bin No. 2 Loadout	PM	0.09	0.39
		PM ₁₀	0.09	0.39

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		PM _{2.5}	0.02	0.10
RK528DCL	Product Bin No. 4 Loadout	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK529DCL	Product Bin No. 5 Loadout	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK530DCL	Product Bin No. 6 Loadout	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
RK531DCL	Product Bin No. 7 Loadout	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
P013	Pulverized Quicklime Bagger	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	PM	0.47	2.06
		PM ₁₀	0.47	2.06
		PM _{2.5}	0.12	0.52
HH409	Lime Hydrator No. 4	PM	5.88	25.75
		PM ₁₀	5.88	25.75
		PM _{2.5}	5.88	25.75
HH512	Lime Hydrator No. 5	PM	5.88	25.75
		PM ₁₀	5.88	25.75
		PM _{2.5}	5.88	25.75
HH548	Hydrate Milling	PM	0.34	1.5
		PM ₁₀	0.34	1.5
		PM _{2.5}	0.09	0.38
H590	Hydrate Rejects Bin	PM	0.15	<0.01

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		PM ₁₀	0.15	<0.01
		PM _{2.5}	0.07	<0.01
H590B	Hydrate Rejects	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.02	0.10
LBH36	Hydrate Loadout	PM	0.15	0.66
		PM ₁₀	0.15	0.66
		PM _{2.5}	0.04	0.16
BH033	Hydrate Baggers	PM	0.47	2.06
		PM ₁₀	0.47	2.06
		PM _{2.5}	0.12	0.52
SK001	West Bin No. 1	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
SK002	West Bin No. 2	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
SK003	West Bin No. 3	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
RK217	Kiln No. 3 Dust Bin	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	PM	0.15	0.66
		PM ₁₀	0.15	0.66
		PM _{2.5}	0.04	0.16
RK223	Apron Conveyor	PM	0.26	1.13
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.06	0.28

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PP009	Pulverized Product Bin	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
HS004	Hydrator No. 4 Surge Bin	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
HS005	Hydrator No. 5 Surge Bin	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
RK537A	Product Loading Blowback	PM	0.06	<0.01
		PM ₁₀	0.06	<0.01
		PM _{2.5}	0.03	<0.01
RK550	Product Loading	PM	1.83	1.26
		PM ₁₀	1.83	1.26
		PM _{2.5}	0.92	0.63
BH036	Hydrate Bagging	PM	<0.01	0.02
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.01
LBH36-2	Hydrate Loading Spout	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

Emission Sources - Maximum Allowable Emission Rates

- (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
SO ₂	-	sulfur dioxide
PM	-	total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	-	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: May 27, 2014