

Emission Sources - Maximum Allowable Emission Rates

Permit Number 118721

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 (6)	
			lbs/hour	TPY (4)
K-1	Kiln Stack	PM	22.73	99.56
		PM ₁₀	21.73	95.17
		PM _{2.5}	20.33	89.04
		VOC	0.73	3.21
		SO ₂	18.77	82.20
		NO _x	15.91	69.70
		CO	35.13	153.86
		HCl	0.30	1.32
		HF	0.44	1.92
D-2	Brick Dryer Stack	PM	5.24	22.93
		PM ₁₀	4.70	20.57
		PM _{2.5}	4.16	18.21
		VOC	0.84	3.68
PCP	Primary Crushing Plant (5)	PM	10.09	44.21
		PM ₁₀	3.68	16.14
		PM _{2.5}	0.56	2.47
CGP	Clay Grinding Plant and Loam/Sawdust Preparation (5)	PM	3.82	16.75
		PM ₁₀	1.34	5.85
		PM _{2.5}	1.26	5.54
T-1	No. 2 Fuel Oil Storage Tank Vent	VOC	2.01	0.02
T-2	No. 2 Fuel Oil Storage Tank Vent	VOC	2.01	0.02
T-3	No. 2 Fuel Oil Storage Tank Vent	VOC	2.01	0.02
BH-1	Brick Chip Baghouse	PM	0.02	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
BLDFUG	Brick Kiln Building 1 Fugitives (5)	PM	0.09	0.37
		PM ₁₀	0.09	0.37
		PM _{2.5}	0.09	0.37
K-2	Natural Gas-Fired Kiln Plant 2	PM	22.12	96.89

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		PM ₁₀	20.72	90.75
		PM _{2.5}	19.32	84.62
		SO ₂	18.76	82.17
		NO _x	9.80	42.92
		CO	33.60	147.17
		VOC	0.67	2.94
		HCl	0.30	1.32
		HF	0.44	1.92
D-3	Brick Dryer Stack	VOC	0.84	3.68
		PM	5.24	22.93
		PM ₁₀	4.70	20.57
		PM _{2.5}	4.16	18.21
BH-2	Brick Chip Baghouse Plant 2	PM	0.02	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
BLDFUG2	Brick Kiln Building 2 Fugitives (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
All	All Sources	Any HAP	-	<10.00
		All HAPs	-	<25.00

- (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
- HF - hydrogen fluoride
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: April 8, 2022