

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9540

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)
1	Tunnel Kiln DIFF Exhaust Stack	NO _x	2.15	9.41
		VOC	1.72	7.53
		CO	53.36	233.60
		PM	3.04	13.31
		PM ₁₀	3.04	13.31
		PM _{2.5}	3.04	13.31
		SO ₂	27.02	118.29
		HF	1.42	6.22
		HCl	0.86	3.78
1A	Tunnel Kiln DIFF Bypass Exhaust Stack	NO _x	2.15	0.03
		VOC	1.72	0.02
		CO	53.36	0.64
		PM	3.04	0.04
		PM ₁₀	3.04	0.04
		PM _{2.5}	3.04	0.04
		SO ₂	27.02	0.32
		HF	14.20	0.17
		HCl	8.63	0.10
1 & 1A	Combined Tunnel Kiln and Bypass Exhaust Stack	NO _x	-	9.41
		VOC	-	7.53
		CO	-	233.60
		PM	-	13.31
		PM ₁₀	-	13.31
		PM _{2.5}	-	13.31

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		SO ₂	-	118.29
		HF	-	6.38
		HCl	-	3.88
2	Dryer Room Exhaust Stack	NO _x	0.10	0.44
		VOC	2.01	8.80
		CO	2.00	8.76
		PM	3.68	16.14
		PM ₁₀	1.84	8.07
		PM _{2.5}	1.84	8.07
		SO ₂	0.57	2.48
3	Grog Crusher (5)	PM	0.02	< 0.01
		PM ₁₀	0.01	< 0.01
		PM _{2.5}	0.01	< 0.01
4	Dry Scrap Drop (5)	PM	< 0.01	< 0.01
		PM ₁₀	0.01	< 0.01
		PM _{2.5}	0.01	< 0.01
5	Boiler	NO _x	0.11	0.48
		VOC	0.01	0.03
		CO	0.09	0.41
		PM	0.01	0.04
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04
		SO ₂	< 0.01	< 0.01
6	Generator (67-hp)	NO _x	2.08	0.10
		VOC	0.19	0.01
		CO	0.45	0.02
		PM	0.15	0.01
		PM ₁₀	0.15	0.01
		PM _{2.5}	0.15	0.01

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		SO ₂	0.14	0.01
7	500 Gallon Gasoline Tank	VOC	0.01	0.10
8	1000 Gallon Diesel Tank	VOC	0.01	0.10
FUG 1	Grog Grinding Building (5)	PM	0.38	0.19
		PM ₁₀	0.10	0.04
		PM _{2.5}	0.10	0.04
FUG 2	Clay Grinding Building (5)	PM	0.86	1.34
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
FUG 3	Manufacturing Building (5)	PM	0.42	0.79
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
FUG 6	Dry Additive Mixing Room Building (5)	PM	0.30	0.47
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
	Site-Wide	Individual HAP	-	<10
		Combined HAPs	-	<25

- (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: December 10, 2021

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