

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20006

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. 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 *	
			lb/hr	TPY**
A2	Dryer Line 5 POC Stack	NO _x	0.112	0.50
		CO	0.05	0.22
		PM	0.011	0.048
		SO ₂	0.0005	0.003
		VOC	0.003	0.014
A3-1	Dryer Line 6 POC Vent 1	NO _x	0.112	0.50
		CO	0.05	0.22
		PM	0.011	0.048
		SO ₂	0.0005	0.003
		VOC	0.003	0.014
A3-2	Dryer Line 6 POC Vent 2	NO _x	0.112	0.50
		CO	0.05	0.22
		PM	0.011	0.048
		SO ₂	0.0005	0.003
		VOC	0.003	0.014
A5	Steam Generator 7.6 MMBtu/hr POC Stack	NO _x	0.20	0.876
		CO	0.08	0.351
		PM/PM ₁₀	0.02	0.088
		SO ₂	0.01	0.044
		VOC	0.01	0.044
A6	Steam Generator 7.6 MMBtu/hr POC Stack	NO _x	0.20	0.876
		CO	0.08	0.351
		PM/PM ₁₀	0.02	0.088
		SO ₂	0.01	0.044
		VOC	0.01	0.044

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AB1	Tunnel Kiln No. 4 POC Stack	NO _x	3.69	16.2
		CO	30.30	96.4
		PM	4.25	18.6
		SO ₂	13.80	24.9
		VOC	1.68	7.4
		HF	0.06	0.27
		Pb	0.0002	0.0007
		HCl	0.42	1.82
		NH ₃	2.7	9.4
AC1	Tunnel Kiln No. 5 POC Stack	NO _x	4.10	18.0
		CO	30.30	96.4
		PM	0.45	2.0
		PM ₁₀	0.23	1.1
		SO ₂	1.21	5.3
		VOC	1.68	7.4
		HF	0.636	1.6
		HCl	0.22	1.0
B	Rotary Kiln POC Stack	NO _x	0.20	0.876
		CO	0.08	0.351
		PM	0.02	0.088
		SO ₂	0.01	0.044
		VOC	0.01	0.044
E	Dryer Unconventional Line Scrubber Stack	NO _x	0.056	0.245
		CO	0.0244	0.11
		PM	0.0055	0.024
		SO ₂	0.0012	0.002
		VOC	0.0012	0.002
		HF	0.001	0.004
		Formic Acid	0.44	1.93
		NH ₃	0.90	3.94
F	Dryer Unconventional Line	PM	0.7	3.07

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G	Cooling Stack Steam Generator	NO _x	0.2	0.876
		CO	0.08	0.351
		PM	0.02	0.088
		SO ₂	0.01	0.044
		VOC	0.01	0.044
H	Tunnel Kiln No. 1 POC Stack	NO _x	4.1	18.0
		CO	30.30	96.4
		PM ₁₀	2.5	11.0
		SO ₂	1.21	5.3
		VOC	1.68	7.4
		HF	0.36	0.66
		Pb	0.0002	0.0007
		HCl	0.22	0.04
N	Tunnel Kiln No. 2 POC Stack	NO _x	4.1	18.0
		CO	30.30	96.4
		PM	4.25	18.6
		SO ₂	1.21	5.3
		VOC	1.68	7.4
		HF	0.36	1.6
		Pb	0.0002	0.0007
		HCl	0.22	0.04
N1	Dryer NexGen POC Stack	NO _x	0.112	0.50
		CO	0.05	0.22
		PM	0.011	0.048
		SO ₂	0.0005	0.003
		VOC	0.003	0.014
N2	Dryer NexGen	NO _x	0.112	0.50

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X	POC Stack	CO	0.05	0.22
		PM	0.011	0.048
		SO ₂	0.0005	0.003
		VOC	0.003	0.014
	Dryer Line 4 Scrubber and POC Stack	NO _x	0.308	1.35
		CO	0.134	0.59
		PM	0.03	0.132
		SO ₂	0.002	0.01
		VOC	0.006	0.03
		Formic Acid	0.12	0.50
		NH ₃	0.18	0.80

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) Air Contaminant Name.

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	- particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5}
PM ₁₀	- particulate matter equal to or less than 10 microns in diameter
PM _{2.5}	- particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide
HCl	- hydrogen chloride
HF	- hydrogen fluoride

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Pb	-	lead
NH ₄ F	-	
NH ₃	-	ammonia
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) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_Hrs/day _Days/week __Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated