

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	4.25	18.6
		PM (5)	0.45	2.0
		PM ₁₀ (5)	0.23	1.1
		SO ₂	1.21	5.3
		VOC	1.68	7.4
		HF	0.36	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 4Scrubber 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
N	Tunnel Kiln No. 2 POC Stack	HCl	0.22	0.04
		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
N1	Dryer NexGen POC Stack	HCl	0.22	0.04
		NO _x	0.112	0.50
		CO	0.05	0.22
		PM	0.011	0.048
		SO ₂	0.0005	0.003
N2	Dryer NexGen POC Stack	VOC	0.003	0.014
		NO _x	0.112	0.50
		CO	0.05	0.22
		PM	0.011	0.048
		SO ₂	0.0005	0.003
X	Dryer Line 4	VOC	0.003	0.014
		NO _x	0.308	1.35

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C	Scrubber and POC Stack	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
	Rotary Kiln Scrubber Stack	NH ₃	0.18	0.80
		NH ₃	0.02	0.088
		HF	0.024	0.105
		NH ₄ F	0.138	0.43
D (1)	Tunnel Kiln No. 3 POC Stack	VOC	1.68	7.4
		NO _x	3.69	16.2
		SO ₂	13.80	27.3
		PM	4.25	18.6
		CO	30.30	96.4
		HF	0.65	2.85
		Pb	0.0002	0.0007
		HCl	0.42	1.82
		NH ₃	2.7	9.4

- (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)
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - 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
 - Pb - lead
 - NH₄F - ammonium fluoride

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NH₃ - ammonia

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Effective after the installation and start-up of the Tunnel Kiln No. 5 fabric filter baghouse, but no later than January 28, 2011.

* 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 September 10, 2009