

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, 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	
			lbs/hour	TPY (4)
A2	Dryer Line 5 POC Stack	NO _x	0.112	0.50
		CO	0.05	0.22
		VOC	0.003	0.014
		PM	0.011	0.048
		SO ₂	0.0005	0.003
A3-1	Dryer Line 6 POC Vent 1	NO _x	0.112	0.50
		CO	0.05	0.22
		VOC	0.003	0.014
		PM	0.011	0.048
		SO ₂	0.0005	0.003
A3-2	Dryer Line 6 POC Vent 2	NO _x	0.112	0.50
		CO	0.05	0.22
		VOC	0.003	0.014
		PM	0.011	0.048
		SO ₂	0.0005	0.003
A5	Steam Generator POC Stack 7.6 MMBtu/hr	NO _x	0.20	0.876
		CO	0.08	0.351
		VOC	0.01	0.044
		PM/PM ₁₀	0.02	0.088
		SO ₂	0.01	0.044

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A6	Steam Generator POC Stack 7.6 MMBtu/hr	NO _x	0.20	0.876
		CO	0.08	0.351
		VOC	0.01	0.044
		PM/PM ₁₀	0.02	0.088
		SO ₂	0.01	0.044
AB1	Tunnel Kiln No. 4 POC Stack	NO _x	3.00	16.2
		CO	13.10	96.4
		VOC	1.68	7.4
		PM	4.25	18.6
		SO ₂	1.60	24.9
		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	3.00	13.14
		CO	13.10	65.70
		VOC	1.68	7.4
		PM	3.00	12.20
		PM ₁₀	2.10	8.50
		PM _{2.5}	1.58	6.40
		SO ₂	1.21	5.30
		HF	0.36	1.60
		HCl	0.22	1.00
B	Rotary Kiln POC Stack	NO _x	0.20	0.876
		CO	0.08	0.351

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		VOC	0.01	0.044
		PM	0.02	0.088
		SO ₂	0.01	0.044
C	Rotary Kiln Scrubber Stack	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	NO _x	3.00	16.2
		CO	13.10	96.4
		VOC	1.68	7.4
		PM	4.25	18.6
		SO ₂	1.60	27.3
		HF	0.65	2.85
		Pb	0.0002	0.0007
		HCl	0.42	1.82
		NH ₃	2.7	9.4
E	Dryer Unconventional Line Scrubber Stack	NO _x	0.056	0.245
		CO	0.0244	0.11
		VOC	0.0012	0.002
		PM	0.0055	0.024
		SO ₂	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 Cooling Stack	PM	0.70	3.07
G	Steam Generator	NO _x	0.20	0.876
		CO	0.08	0.351
		VOC	0.01	0.044

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H	Tunnel Kiln No. 1 POC Stack	PM	0.02	0.088
		SO ₂	0.01	0.044
		NO _x	3.10	18.0
		CO	13.10	96.4
		VOC	1.68	7.4
		PM ₁₀	2.50	11.0
		SO ₂	1.21	5.3
		HF	0.36	0.66
		Pb	0.0002	0.0007
N	Tunnel Kiln No. 2 POC Stack	HCl	0.22	0.04
		NO _x	3.00	18.0
		CO	13.10	96.4
		VOC	1.68	7.4
		PM	4.25	18.6
		SO ₂	1.21	5.3
		HF	0.36	0.66
		Pb	0.0002	0.0007
		HCl	0.22	0.04
X	Dryer Line 4 Scrubber and POC Stack	NO _x	0.308	1.35
		CO	0.134	0.59
		VOC	0.006	0.03
		PM	0.03	0.132
		SO ₂	0.002	0.01
		Formic Acid	0.12	0.50
		NH ₃	0.18	0.80

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- (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
HCl	- hydrogen chloride
HF	- hydrogen fluoride
Pb	- lead
NH ₃	- ammonia
NH ₄ F	- ammonium fluoride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: March 31, 2014