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

Emission Sources - Maximum Allowable Emission Rates

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	3.69	16.2
		CO	30.30	96.4
		VOC	1.68	7.4
		PM	4.25	18.6
		SO_2	13.80	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	15.0	65.70
		VOC	1.68	7.4
		PM	1.25	5.50
		PM_{10}	1.10	4.8
		$PM_{2.5}$	0.99	4.34
		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

Emission Sources - Maximum Allowable Emission Rates

		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_4F	0.138	0.43
D(1)	Tunnel Kiln No. 3 POC Stack	NO_x	3.69	16.2
		CO	30.30	96.4
		VOC	1.68	7.4
		PM	4.25	18.6
		SO_2	13.80	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

Emission Sources - Maximum Allowable Emission Rates

		PM	0.02	0.088
		SO_2	0.01	0.044
H	Tunnel Kiln No. 1 POC Stack	NO_x	4.10	18.0
		CO	30.30	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
		HCl	0.22	0.04
N	Tunnel Kiln No. 2 POC Stack	NO_x	4.10	18.0
		CO	30.30	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
N1	Dryer NexGen 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
N2	Dryer NexGen POC Stack	NO_x	0.112	0.50
		CO	0.05	0.22

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.003	0.014
		PM	0.011	0.048
		SO_2	0.0005	0.003
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

(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_4F - ammonium fluoride
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: August 13, 2012