Emission Sources - Maximum Allowable Emission Rates

Permit Number 2718

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)
CHF	Cullet Handling Fugitives (Rail and Truck Unloading, Stockpile, and Transfer to Crusher Feed Hopper)	PM	0.12	0.53
		PM_{10}	0.05	0.24
1	Furnace A Stack	PM	16.00	70.10
		PM_{10}	16.00	70.10
		VOC	0.40	1.80
		CO	5.50	24.10
		NO_x	75.30	329.80
		SO_2	38.50	168.60
		H_2SO_4	7.00	30.70
		HCl	0.50	2.20
		Pb	0.03	0.11
55A	Furnace A Refiner Fugitives	PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		VOC	0.02	0.09
		CO	0.32	1.41
		NO_x	0.38	1.67
		SO_2	0.01	0.01

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56A	Furnace A Alcoves and Forehearths Fugitives	PM	0.05	0.22
		PM_{10}	0.05	0.22
		$PM_{2.5}$	0.05	0.22
		VOC	0.04	0.16
		CO	0.56	2.45
		NO_x	0.67	2.92
		SO_2	0.01	0.02
58A	Furnace A Forming Machines Fugitives	PM	0.77	3.35
		PM_{10}	0.77	3.35
		$PM_{2.5}$	0.77	3.35
2	Furnace B Stack	PM	13.10	57.50
		PM_{10}	13.10	57.50
		VOC	2.63	11.50
		CO	2.63	11.50
		NO_x	81.40	356.00
		SO_2	44.60	195.00
		H_2SO_4	10.32	45.20
		HCl	0.36	1.58
		Pb	0.02	0.10
55B	Furnace B Refiner Fugitives	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		VOC	0.02	0.08
		CO	0.26	1.15
		NO_x	0.31	1.37

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		SO_2	0.01	0.01
56B	Furnace B Alcoves and Forehearths Fugitives	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.05	0.23
		VOC	0.04	0.16
		CO	0.57	2.49
		NO_x	0.68	2.96
		SO_2	0.01	0.02
58B	Furnace B Forming Machines Fugitives	PM	0.66	2.89
		PM_{10}	0.66	2.89
		$PM_{2.5}$	0.66	2.89
4 (5)	Furnace D Stack	PM	30.38	134.90
		PM_{10}	30.38	134.90
		VOC	0.20	0.90
		CO	8.90	39.00
		NO_x	121.70	533.00
		SO_2	61.20	268.00
		H_2SO_4	10.90	47.70
		HCl	0.40	1.80
		Pb	0.03	0.12
4 (6)	Furnace D Stack	PM	9.28	40.60
		PM_{10}	9.21	40.30
		$PM_{2.5}$	9.21	40.30
		VOC	0.20	0.90

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		CO	3.90	17.10
		NO_x	27.30	102.30
		SO_2	33.54	68.20
		H_2SO_4	3.40	14.90
		HCl	0.53	2.30
		Pb	0.02	0.09
		NH_3	0.75	3.30
55D	Furnace D Refiner Fugitives	PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		VOC	0.02	0.10
		CO	0.34	1.48
		NO_x	0.40	1.76
		SO_2	0.01	0.01
56D (5)	Furnace D Alcoves and Forehearths Fugitives	PM	0.04	0.18
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.04	0.18
		VOC	0.03	0.13
		CO	0.46	2.02
		NO_x	0.55	2.40
		SO_2	0.01	0.01
56D (6)	Furnace D Alcoves and Forehearths Fugitives	PM	0.06	0.27
		PM_{10}	0.06	0.27
		$PM_{2.5}$	0.06	0.27
		VOC	0.05	0.20

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		CO	0.69	3.03
		NO_x	0.82	3.61
		SO_2	0.01	0.02
58D (5)	Furnace D Forming Machines Fugitives	PM	0.84	3.67
		PM_{10}	0.84	3.67
		$PM_{2.5}$	0.84	3.67
58D (6)	Furnace D Forming Machines Fugitives	PM	0.98	4.28
		PM_{10}	0.98	4.28
		$PM_{2.5}$	0.98	4.28
7	Grit Blast Fugitives	PM	0.02	0.10
		PM_{10}	0.02	0.10
8	Grit Blast Fugitives	PM	0.02	0.10
		PM_{10}	0.02	0.10
18A - 18D	Raw Material Receiving Batch and Mixing Baghouse Stacks	PM	2.48	12.00
		PM_{10}	2.48	12.00
18E	Iron Chromite Surge Hopper Baghouse Stack	PM	0.02	<0.01
		PM_{10}	0.02	<0.01
57	Shear Spray Fugitives	VOC	2.00	8.75
59A	Lehr Fugitives	PM	0.26	1.14
		PM_{10}	0.26	1.14
		$PM_{2.5}$	0.26	1.14
		VOC	0.19	0.83
		CO	2.88	12.62
		NO_x	3.43	15.03
		SO_2	0.02	0.09

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59B	Belt Heater Fugitives	PM	0.01	0.07
		PM_{10}	0.01	0.07
		$PM_{2.5}$	0.01	0.07
		VOC	0.01	0.05
		CO	0.16	0.72
		NO_x	0.20	0.86
		SO_2	0.01	0.01
19	Hot End Surface Treatment Baghouse Stack	PM	0.46	2.07
		PM_{10}	0.46	2.07
		NH_3	2.86	12.50
		HCl	0.04	0.17
		VOC	0.72	3.15
71	Bottle Coder Fugitives	VOC	0.21	0.93
72	Glue Pot Fugitives	VOC	0.45	1.97
73	Carton Coder Fugitives	VOC	0.15	0.66
30	Reagent Silo Dust Collector Stack	PM	0.12	0.01
		PM_{10}	0.12	0.01
		$PM_{2.5}$	0.12	0.01
31	ESP Dust Silo Dust Collector Stack	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
35	Emergency Generator Stack	PM	0.85	0.04
		PM_{10}	0.71	0.04
		$PM_{2.5}$	0.69	0.04
		VOC	0.58	0.03

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		CO	13.50	0.68
		NO_x	24.11	1.21
		SO_2	0.03	<0.01
70	Oil/Water Separator Fugitives	VOC	1.2	5.26
74	Cooling Tower Vents	PM	0.40	1.75
		PM_{10}	0.30	1.31
		$PM_{2.5}$	0.30	1.31
75	Parts Washer Fugitives	VOC	0.22	0.97

(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
H2SO4- sulfuric acid
HCl - hydrogen chloride
Pb - lead as particulate matter
NH_3 - ammonia
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Effective prior to installation and commencing operation of all control devices and rebuilding of alcoves, forehearths, and forming machines represented in the 2012 Amendment Application.
(6) Effective after installation and commencing operation of all control devices and rebuilding of alcoves, forehearths, and forming machines represented in the 2012 Amendment Application.

Emission Sources - Maximum Allowable Emission Rates

Date: October 10, 2012