EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23344

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
4-06	Furnace No. 3 ESP Unit	PM_{10} (4)	1.25	5.48
		PM (5)	0.07	0.31
		NO_x	9.1	39.9
		SO_2	0.06	0.05
		CO	2.5	11.0
		VOC 0.08	0.35	
4-07	Wet Fritting Baghouse	PM_{10} (4)	0.42	1.84
		PM (5)	0.19	0.84
		NO_x	1.29	5.67
		SO_2	0.04	0.18
		CO	0.48	2.10
		VOC 0.04	0.18	
4-08	CCE Mill Baghouses	PM_{10} (4)	0.08	0.35
4-17A	Former No. 15 Baghouse	PM_{10} (4)	0.40	1.75
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	<0.01	0.04
		CO	0.25	1.10
		VOC 0.02	0.09	
4-17AP	Former No. 15 Heat Treater	PM (5)	0.02	0.09
		NO_x	0.24	1.05
		SO_2	<0.01	0.04
		CO	0.05	0.22
		VOC <0.01	0.04	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
4-17B	Former No. 16 Baghouse	PM_{10} (4)	0.40	1.75
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	<0.01	0.04
		CO	0.25	1.10
		VOC 0.02	0.09	
4-17BP	Former No. 16 Heat Treater	PM (5)	0.02	0.09
		NO_x	0.24	1.05
		SO_2	<0.01	0.04
		CO	0.05	0.22
		VOC <0.01	0.04	
4-18	Former No. 17 ESP	PM_{10} (4)	0.45	1.97
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	<0.01	0.04
		CO	1.1	4.82
		VOC 0.02	0.09	
4-19	Former No. 18 Baghouse	PM_{10} (4)	0.40	1.75
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	<0.01	0.04
		CO	0.25	1.10
		VOC 0.02	0.09	
4-19P	Former No. 18 Heat Treater	PM (5)	0.02	0.09
		NO_x	0.24	1.05
		SO_2	<0.01	0.04
		CO	0.05	0.22
		VOC <0.01	0.04	
4-20A	Bead Wash Dryer	PM_{10} (4)	0.10	0.44

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Baghouse (6)	IPA	0.70	3.03
		Acetone	0.13	0.55
		Chloroacetone	0.37	1.63
4-20B	Bead Wash Dryer (6)	PM (5)	0.14	0.60
		NO_x	0.92	4.03
		SO_2	0.03	0.12
		CO	0.34	1.48
		VOC 0.03	0.12	
4-44	Former No. 11 Baghouse	PM (4)	0.45	2.00
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	0.02	0.09
		CO	0.25	1.10
		VOC 0.02	0.09	
4-44P	Products of Combustion	PM (5)	0.02	0.09
		NO_x	0.24	1.05
		SO_2 0.02	0.09	
		CO 0.05	0.22	
		VOC <0.01	0.02	
4-34	Former No. 19 Baghouse	PM_{10} (4)	0.40	1.75
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	<0.01	0.04
		CO	0.25	1.10
		VOC 0.02	0.09	
4-34P	Former No. 19 Heat Treater	PM (5)	0.02	0.09
		NO_x	0.24	1.05
		SO_2	<0.01	0.04
		CO	0.05	0.22
		VOC <0.01	0.04	
4-35	Former No. 20 Baghouse	PM_{10} (4)	0.40	1.75

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-35P	Former No. 20 Heat Treater	PM (5)	0.02	0.09
		NO_x	0.24	1.05
		SO_2	<0.01	0.04
		CO	0.05	0.22
		VOC	<0.01	0.04
4-43	Former No. 21 Baghouse	PM_{10} (4)	0.45	1.97
		PM (5)	0.10	0.44
		NO_x	1.17	5.12
		SO_2	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-43P	Former No. 21 Heat Treater	PM (5)	0.02	0.09
		NO_x	0.24	1.05
		SO_2	<0.01	0.04
		CO	0.05	0.22
		VOC	<0.01	0.04
4-0944	ESP Unit for Former Nos. 13, 14, and 22	PM_{10} (4)	1.34	5.87
		PM (5)	0.30	1.31
		NO_x	3.51	15.4
		SO_2	0.30	0.13
		CO	1.10	4.82
		VOC	0.06	0.26
4-2324	Furnace No. 2 ESP Unit	PM_{10} (4)	1.43	6.27
		PM (5)	0.15	0.66
		NO_x	9.1	39.9
		SO_2	0.06	0.26
		CO	0.81	3.55

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		VOC	0.07	0.31
15-1	TCP Drier Baghouse	PM/PM_{10} (4)	1.40	6.13
15-2	Dust Pickup Baghouse	PM/PM_{10} (4)	0.16	0.70
15-3	Filter Receiver Baghouse	PM/PM_{10} (4)	0.10	0.40
15-4	Bag Collector (6)	PM_{10} (4)	0.33	1.45
15-5	Hopper Baghouse	PM_{10} (4)	0.20	0.90
15-6	Hopper Baghouse	PM_{10} (4)	0.20	0.90
15-7	Furnace No. 2 Dust Pickup	PM_{10} (4)	0.10	0.44
15-12	Vacuum Receiver	PM_{10} (4)	0.02	0.09

(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) PM_{10} - particulate matter equal to or less than 10 microns. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
PM - particulate matter, suspended in the atmosphere, including PM_{10}.
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
IPA - isopropanol
(4) Particulate matter emissions from the process.

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(5) Particulate matter emissions from combustion.
(6) Particulate emissions from a standard exempted mixing operation are also routed through this bag collector.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated