EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 23344

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY	(7)
4-06	Furnace No. 1 ESP Unit	PM_{10} (4)	0.29	1.28	
		PM (5)	0.15	0.66	
		NO_x	9.10	39.90	
		SO_2	0.06	0.26	
		CO	0.81	3.55	
		VOC	0.07	0.31	
4-06A	Furnace No. 1 Dust-Pickup Baghouse	PM_{10}	0.10	0.50	
4-2324	Furnace No. 2 ESP Unit	PM_{10} (4)	1.43	6.27	
		PM (5)	0.15	0.66	
		NO_x	9.10	39.90	
		SO_2	0.06	0.26	
		CO	0.81	3.55	
		VOC	0.07	0.31	
4-07	Wet Fritting Baghouse (2 Cyclones, Agglomerator, and Small Mill)	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 Nos. 13 and 14 Baghouses	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	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY (7)
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
4-18	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	1.10	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 Baghouse (6)	PM_{10} (4)	0.10	0.44
		IPA	0.70	3.03
		Acetone	0.13	0.55
		Chloroacetone	0.37	1.63

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY (7)
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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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY (7)
		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. 15 and 22	PM_{10} (4)	1.34	5.87
		PM (5)	0.30	1.31
		NO_x	3.51	15.40
		SO_2	0.30	0.13
		CO	1.10	4.82
		VOC	0.06	0.26
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

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY (7)
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 a plot plan.
(2) Specific point source names.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns. Where PM is not listed, it shall be assumed that no PM greater than 10 microns in emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
IPA - isopropanol
(4) Particulate matter emissions from the process.
(5) Particulate matter emissions from combustion.
(6) Particulate emissions from a standard exempted mixing operation are also routed through these emission points.
(7) Annual rates are based on a rolling 12 consecutive months.

Dated July 26, 2004