EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4421A

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
B-1	No. 1 Boiler	PM_{10}	0.13	0.54
		VOC	0.10	0.39
		NO_x	1.68	7.01
		SO_2	0.01	0.04
		CO	1.41	5.89
B-2	No. 2 Boiler	PM_{10}	0.10	0.40
		VOC	0.07	0.42
		NO_x	1.26	5.26
		SO_2	0.01	0.04
		CO	1.06	4.42
F-14	Afterburner Stack	PM	6.60	8.25
		PM_{10}	6.60	8.25
		VOC	1.20	1.50
		NO_x	4.20	5.78
		CO	49.80	62.25
		SO2 19.90	87.00	
C-1	Talc Silo Dust Collector	PM	0.26	0.13
		PM_{10}	0.26	0.13
C-2	Talc Dust Collector Lam Line	PM	0.43	1.72
		PM_{10}	0.43	1.72
C-3	Talc Dust Collector 4-Wide	PM	0.43	1.72
		PM_{10}	0.43	1.72
C-4	Sand Silo Dust Collector	PM_{10}	0.03	<0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
H-1	No. 2 Born Coating Heater	PM_{10}	0.11	0.45
		VOC	0.08	0.33
		NO_x	1.40	5.85
		SO_2	0.01	0.04
		CO	1.18	4.92
H-2	No. 3 Born Coating Heater	PM_{10}	0.11	0.45
		VOC	0.08	0.33
		NO_x	1.40	5.85
		SO_2	0.01	0.04
		CO	1.18	4.92
H-3	No. 2 Cuttler Coating Heater	PM_{10}	0.05	0.19
		VOC	0.04	0.14
		NO_x	0.60	2.51
		SO_2	<.01	0.02
		CO	0.51	2.11
H-4	Hot Oil Heater No. 1	PM_{10}	0.03	0.13
		VOC	0.03	0.10
		NO_x	0.40	1.67
		SO_2	<.01	0.01
		CO	0.34	1.41
H-5	Limestone Filler Heater	PM_{10}	0.05	0.19
		VOC	0.04	0.14
		NO_x	0.60	2.51
		SO_2	0.01	0.02
		CO	0.51	2.11
H-9	Hot Oil Heater No. 2	PM_{10}	0.01	0.04
		VOC	0.01	0.03
		NO_x	0.13	0.55
		SO_2	<0.01	0.01
		CO	0.11	0.46
T-1	No. 1 Tank Fume Filter	VOC	1.90	8.82

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
T-2	No. 2 Tank Fume Filter	VOC	1.90	8.82
T-3	Large Coater/Surge Tank Fume Filter	PM_{10}	0.17	0.75
		VOC	6.01	24.04
		CO	0.68	3.00
T-4	Sealant Tank	VOC	<0.01	<0.01
T-5	Laminant Tank	VOC	<0.01	<0.01
F-4	Standard and Metric Line Sealant and Laminant Run Use Tanks	VOC	0.12	0.5
LAM-1	Standard Line Laminator	VOC	0.03	0.10
LAM-2	Metric Line Laminator	VOC	0.03	0.10
L-1	No. 1 Limestone Silo Dust Collector	PM	0.26	0.59
		PM_{10}	0.26	0.59
L-2	No. 2 Limestone Silo Dust Collector	PM	0.26	0.59
		PM_{10}	0.26	0.59
L-3	Horizon Limestone Dust Collector	PM	0.56	2.24
		PM_{10}	0.56	2.24
F-1	Fugitives (4)	VOC	1.28	5.59
F-2	Maintenance Fugitives (4)	PM_{10}	0.01	<0.01
		VOC <0.01	<0.01	
		NO_x 0.04	<0.01	
		SO_2 0.11	<0.01	
		CO <0.01	<0.01	
MFGBLDG	Manufacturing (4)	VOC	0.27	1.12

	Building (Paint and Ink Jet Printer)				
E-1	Emergency Generator		PM_{10}	0.17	0.08
		NO_x	2.40	1.05	
		CO	0.52	0.23	
		SO_2	0.16	0.07	
		VOC	0.19	0.09	
G-1	Batch House(Granule Silos)		PM10	2.62	2.62
G-2	Intermediate Granules Handling Building Vent		PM10	2.55	2.55
COOL-1	Standard Line Cooling Section Building Vent		PM10	0.10	0.44
Cool-2	Metric Line Cooling Section Building Vent		PM10	0.10	0.44

(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 - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code Section 101.1.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
(4) Fugitive emissions are an estimate only.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

Hrs/day ____ Days/week _____ Weeks/year _____ or Hrs/year 8,760

The operation of two blowstills at any one time and a maximum annual throughput of 150,000 tons of flux asphalt blown through the blowstills.

Maximum Shingle/Roofing Production: 84 Tons per hour and 739,190 tpy.

The emergency generator is limited to 876 hours per year operation.

Dated _____