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}	0.08	0.34
		VOC	0.08	0.34
		NO_x	0.39	1.69
		SO_2	0.01	0.04
		CO	0.50	2.16
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	4.62	5.78
		SO_2 19.90	87.00	
		CO	49.80	62.25
		HCl 0.34	0.42	
C-1	Talc Silo Dust Collector	PM_{10}	0.26	0.13
C-2	Mineral Application Dust Collector Standard Line	PM_{10}	0.43	1.72
C-3	Mineral Application Dust Collector Metric Line	PM_{10}	0.43	1.72
C-4	Sand Silo Dust Collector	PM_{10}	0.03	0.13

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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}	0.06	0.24
		VOC	0.04	0.18
		NO_x	0.70	3.05
		SO_2	0.01	0.02
		CO	0.28	1.20
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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	0.03	0.05
T-5	Laminant Tank	VOC	0.03	0.11
LAM-1	Standard Line Laminator	VOC	0.03	0.10
LAM-2	Metric Line Laminator	VOC	0.03	0.10
L-1a#	No. 1 Limestone Silo Dust Collector A	PM_{10}	0.26	1.14
L-1b#	No. 1 LimestoneSilo Dust Collector B	PM_{10}	0.30	1.32
L-2	No. 2 Limestone Silo Dust Collector	PM_{10}	0.26	0.59
L-3	Horizon Limestone Dust Collector	PM_{10}	0.69	3.01
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
F-4	Laminator Use Tank	VOC	0.03	0.10

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
F-5#	Metric Line Sealant Applicator System	VOC	0.03	0.10
F-6#	Standard Line Sealant Applicator System	VOC	0.03	0.10
F-7	Metric Line Laminator Run Tank	VOC	0.03	0.10
F-8	Standard Line Laminator Run Tank	VOC	0.03	0.10
MFGBLDG	Manufacturing (4) Building (Paint and Ink Jet Printer)	VOC	0.27	1.12
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)	PM_{10}	2.62	2.62
G-2	Intermediate Granules Handling Building Vent	PM_{10}	2.55	2.55
G-3#	Railcar Granule Unloading	PM_{10}	4.37	3.82
COOL-1	Standard Line Cooling Section Building Vent	PM_{10}	0.10	0.44
COOL-2	Metric Line Cooling Section Building Vent	PM_{10}	0.10	0.44
CT-1#	Large Cooling Tower	PM_{10}	0.35	1.50

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
CT-2#	Small Cooling Tower	PM_{10}	0.07	0.30

(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 § 101.1.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
(4) Fugitive emissions are an estimate only.

* 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: 98 tons per hour and 853,230 tons per year.

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

Sources are covered under permits by rule and only listed on maximum allowable emission rates table for record purposes. To become part of this permit, sources must be reviewed for best available control technology and health impacts.

Dated November 29, 2006