

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/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/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 (6)	PM/ 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	No. 3 Limestone Silo Dust Collector	PM/PM ₁₀	0.26	0.13
C-2	Mineral Application Dust Collector Line 1	PM/PM ₁₀	0.43	1.72
C-3	Mineral Application Dust Collector Line 2	PM/PM ₁₀	0.43	1.72
C-4	Sand Silo Dust Collector	PM/PM ₁₀	0.03	0.13
H-1	No. 2 Born Coating Heater	PM/PM ₁₀	0.11	0.45
		VOC	0.08	0.33
		NO _x	1.40	5.85

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		SO ₂	0.01	0.04
		CO	1.18	4.92
H-2	No. 3 Born Coating Heater	PM/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/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-4	Hot Oil Heater No. 1	PM/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/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/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
T-2	No. 2 Tank Fume Filter	VOC	1.90	8.82

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			lb/hr	TPY
T-3	Large Coater/Surge Tank Fume Filter	PM/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
T-6	Fume Filter Asphalt Mixer Tank, Asphalt Use Tank, Line 1 Laminator and Line 2 Laminator	PM/PM ₁₀	<0.01	<0.01
		VOC	0.39	1.73
L-1A	No. 1 Limestone Silo Dust (5) Collector A	PM/PM ₁₀	0.26	1.14
L-2	No. 2 Limestone Silo Dust Collector	PM/PM ₁₀	0.26	0.59
L-3	Horizon Limestone Dust Collector Limestone Run Tank	PM/PM ₁₀	0.69	3.01
F-1	Fugitives (4)	VOC	1.28	5.59
F-2	Maintenance Fugitives (4)	PM/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-5	Line 2 Sealant Applicator System	VOC	0.03	0.10
F-6	Line 1 Sealant (5)	VOC	0.03	0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
	Applicator System			
MFGBLDG	Manufacturing (4) Building (Paint and Ink Jet Printer)	VOC	0.27	1.12
E-1	Emergency Generator	PM/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/PM ₁₀	2.62	2.62
G-2	Intermediate Granules Handling Building Vent	PM/PM ₁₀	2.55	2.55
G-3	Railcar Granule Unloading (5)	PM/PM ₁₀	4.37	3.82
COOL-1	Line 1 Cooling Section Building Vent	PM/PM ₁₀	0.10	0.44
COOL-2	Line 2 Cooling Section Building Vent	PM/PM ₁₀	0.10	0.44
CT-1	Large Cooling Tower (5)	PM/PM ₁₀	0.35	1.50
CT-2	Small Cooling Tower (5)	PM/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 PM₁₀

PM₁₀ - 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.

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

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VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code ' 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

HCl - hydrogen chloride

P - phosphorus

(4) Fugitive emissions are an estimate only.

(5) Sources are authorized by permits by rule and only listed on maximum allowable emission rates table for record purposes.

(6) Phosphorus is included in the PM/PM₁₀.

Dated: August 9, 2011