

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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	PM10	0.10	0.40
		VOC	0.07	0.42
		NO <sub>x</sub>	1.26	5.26
		SO <sub>2</sub>	0.01	0.04
		CO	1.06	4.42
B-2	No. 2 Boiler	PM10	0.13	0.54
		VOC	0.10	0.39
		NO <sub>x</sub>	1.68	7.01
		SO <sub>2</sub>	0.01	0.04
		CO	1.41	5.89
F-14	Afterburner Stack	PM	6.60	8.25
		PM <sub>10</sub>	6.60	8.25
		VOC	1.20	1.50
		NO <sub>x</sub>	4.20	5.25
		CO	66.00	82.50
C-1	Talc Silo Dust Collector	PM	0.26	0.13
		PM <sub>10</sub>	0.26	0.13
C-2	Talc Dust Collector Lam Line	PM	0.43	1.72
		PM <sub>10</sub>	0.43	1.72
C-3	Talc Dust Collector 4-Wide	PM	0.43	1.72
		PM <sub>10</sub>	0.43	1.72

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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 0.45		PM <sub>10</sub>	0.11
		VOC	0.08	0.33
		NO <sub>x</sub>	1.40	5.85
		SO <sub>2</sub>	0.01	0.04
		CO	1.18	4.92
H-2	No. 3 Born Coating Heater 0.45		PM <sub>10</sub>	0.11
		VOC	0.08	0.33
		NO <sub>x</sub>	1.40	5.85
		SO <sub>2</sub>	0.01	0.04
		CO	1.18	4.92
H-3	No. 2 Cutler Coating Heater	PM <sub>10</sub>	0.03	0.13
		VOC	0.03	0.10
		NO <sub>x</sub>	0.40	1.67
		SO <sub>2</sub>	<.01	0.01
		CO	0.34	1.41
H-4	Hot Oil Heater NO. 1	PM <sub>10</sub>	0.03	0.13
		VOC	0.03	0.10
		NO <sub>x</sub>	0.40	1.67
		SO <sub>2</sub>	<.01	0.01
		CO	0.34	1.41
H-5	Limestone Filler Heater	PM <sub>10</sub>	0.05	0.19
		VOC	0.04	0.14
		NO <sub>x</sub>	0.60	2.51
		SO <sub>2</sub>	0.01	0.02

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			<u>lb/hr</u>	<u>TPY</u>
		CO	0.51	2.11
H-9	Hot Oil Heater No. 2	PM	0.02	0.07
		PM <sub>10</sub>	0.02	0.07
		VOC	0.01	0.03
		NO <sub>x</sub>	0.13	0.57
		SO <sub>2</sub>	<0.01	0.01
		CO	0.03	0.12
T-1	No. 1 Tank Fume Filter	VOC	1.90	8.82
T-2	No. 2 Tank Fume Filter	VOC	1.90	8.82
T-3	Large Coater/Surge Tank Fume Filter	PM <sub>10</sub>	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
L-1	No. 1 Limestone Silo Dust 0.59 Collector	PM		0.26
		PM <sub>10</sub>	0.26	0.59
L-2	No. 2 Limestone Silo Dust 0.59 Collector	PM		0.26
		PM <sub>10</sub>	0.26	0.59
L-3	Horizon Limestone Dust Collector	PM	0.56	2.24
		PM <sub>10</sub>	0.56	2.24
F-1	Fugitives (4)	VOC	1.27	5.59

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			<u>lb/hr</u>	<u>TPY</u>

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- (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<sub>10</sub>  
PM<sub>10</sub> - 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 General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day\_\_\_\_\_Days/week\_\_\_\_\_Weeks/year\_\_\_\_\_or Hrs/year 8,760

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

Dated\_\_\_\_\_