

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 34920I

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
1	Baghouse Stack	PM <sub>10</sub>	4.2	5.88
		VOC (a)	16.8	23.80
		VOC (b)	600.0	24.00
		NO <sub>x</sub>	21.6	30.60
		SO <sub>2</sub>	19.2	27.16
		CO	22.8	32.30
2	Lime Silo Baghouse Stack	PM <sub>10</sub>	<0.01	<0.01
3	Material Handling (4)	PM	96.0	24.80
		PM <sub>10</sub>	2.8	0.72
4	Stockpiles (4)	PM	-	1.72
		PM <sub>10</sub>	-	0.85
5	Crushing/Screening (4)	PM	0.4	0.70
		PM <sub>10</sub>	0.2	0.31

(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  
VOC(a) - mainly asphalt vapors  
VOC(b) - primarily diesel or kerosene vapors  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

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

24 Hours/day 7 Days/week 52 Weeks/year or 8,760  
Hours/year

Standard Hot Mix: 600 Tons/hour, 1,700,000 Tons/year

Cold Mix w/Cutback (slow cure): 300 Tons/hour, 12,000 Tons/week, 24,000 Tons/year

Cold Mix w/Emulsion: 300 Tons/hour, 12,000 Tons/week, 27,000 Tons/year

Total VOC emissions from the annual production (AP) of hot mix and cold mix shall not exceed 24 tons per year total regardless of the combination of types of asphalt produced. The following equation shall be used to determine compliance with this limit.

$$[A \times (0.028 \text{ lbs/ton})] + [B \times (2.0 \text{ lbs/ton})] + [C \times (1.75 \text{ lbs/ton})] / 2,000 \text{ lbs/ton} \leq 24 \text{ tons/year}$$

where,

A = Annual production of standard hot mix in tons

B = Annual production of cold mix w/cutback in tons

C = Annual production cold mix w/emulsion in tons

Dated\_\_\_\_\_