

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9380

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
1A	Asphalt Plant No. 4 Drum Baghouse Stack	PM	13.20	11.43
		PM <sub>10</sub>	9.20	7.97
		VOC (a)	12.80	11.01
		VOC (b)	700.00	17.50
		VOC (c)	68.40	0.43
		NO <sub>x</sub>	22.00	19.06
		CO	52.00	45.05
		SO <sub>2</sub>	23.20	20.10
1B	Asphalt Plant No. 5 Drum Baghouse Stack	PM	13.20	11.43
		PM <sub>10</sub>	9.20	7.97
		VOC (a)	12.80	11.01
		VOC (b)	700.00	17.50
		VOC (c)	68.40	0.43
		NO <sub>x</sub>	22.00	19.06
		CO	52.00	45.05
		SO <sub>2</sub>	23.20	20.10
2	Material Handling (4)	PM	0.77	0.88
		PM <sub>10</sub>	0.33	0.35
3	Aggregate Stockpiles (4)	PM	---	15.66
		PM <sub>10</sub>	---	7.83
3F	Emulsion Stockpiles (4)	VOC (b)	1.62	7.10
4	Oil Heater (4)	PM <sub>10</sub>	0.16	0.71
		VOC	0.01	0.04
		NO <sub>x</sub>	0.92	4.02
		CO	0.24	1.05
		SO <sub>2</sub>	3.97	17.40

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
5 (A1-A8)	Asphalt/PG Oils Storage Tanks (4)	VOC	<0.01	0.05
5 (B1-B2)	Antistrip Storage Tanks (4)	VOC	<0.01	<0.01
5 (C1-C3)	Fuel Oil Storage Tanks (4)	VOC	0.02	0.07
5 (D1-D4)	Diesel Storage Tanks (4)	VOC	0.01	0.04
5 (E1-E2)	Emulsion/UPM Storage Tans (4)	VOC	0.01	0.04
6A	Silo Filling (4)	PM <sub>10</sub>	0.40	0.36
		VOC	6.84	5.92
		CO	0.66	0.58
6B	Asphalt Truck Load Point (4)	PM <sub>10</sub>	0.34	0.30
		VOC	2.20	1.90
		CO	0.76	0.66

(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) NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

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.

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

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

VOC (a) - VOC due to hot mix asphalt production

VOC (b) - VOC due to production of cold mix asphalt

VOC (c) - VOC due to the use of crumb rubber

(4) Fugitive emissions are an estimate.

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

24 hrs/day 7 days/week 52 weeks/year or 8,760 hrs/year

	<u>ton/hr</u>	<u>ton/yr</u>
Standard Hot Mix Asphalt Concrete:	800	1,376,000
Crumb Rubber Modified Asphalt Concrete:	800	10,000
Cold Mix Asphalt Concrete:	400	40,000

Dated September 22, 2005