

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22116

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
Concrete Products Plant				
B2-5	VSI Crusher (4)	PM	0.27	0.98
		PM <sub>10</sub>	0.13	0.48
B2-16	Cone Crusher (4)	PM	0.13	0.44
		PM <sub>10</sub>	0.06	0.21
B2-2	Screen 11 (4)	PM	0.16	0.58
		PM <sub>10</sub>	0.08	0.27
B2-3	Screen 12 (4)	PM	0.16	0.58
		PM <sub>10</sub>	0.08	0.27
B2-6	Screen 319 (4)	PM	0.22	0.82
		PM <sub>10</sub>	0.11	0.38
B2-10	Screen 13 (4)	PM	0.20	0.72
		PM <sub>10</sub>	0.09	0.34
B2-15	Screen 14 (4)	PM	0.20	0.72
		PM <sub>10</sub>	0.09	0.34
MHFUG	Material Handling (4)	PM	3.73	13.34
		PM <sub>10</sub>	1.76	6.30
SPFUG	Stockpiles (4)	PM	-	1.80
		PM <sub>10</sub>	-	0.85

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CONTAMINANTS DATA			AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
Asphalt Products Plant				
A2-4	Primary Crusher (4)	PM	0.31	1.11
		PM <sub>10</sub>	0.15	0.55
A2-16	Secondary Crusher (4)	PM	0.11	0.39
		PM <sub>10</sub>	0.05	0.19
A2-2-1	Screen 5A (4)	PM	0.29	1.06
		PM <sub>10</sub>	0.14	0.50
A2-2-2	Screen 5B (4)	PM	0.29	1.06
		PM <sub>10</sub>	0.14	0.50
A2-10	Screen 8 (4)	PM	0.13	0.48
		PM <sub>10</sub>	0.06	0.23
A2-11	Screen 7 (4)	PM	0.13	0.48
		PM <sub>10</sub>	0.06	0.23
A2-18	Screen 70 (4)	PM	0.13	0.48
		PM <sub>10</sub>	0.06	0.23
A2-19	Screen 6 (4)	PM	0.16	0.58
		PM <sub>10</sub>	0.08	0.27
MHFUG1	Material Handling (4)	PM	3.36	12.04
		PM <sub>10</sub>	1.58	5.69
SPFUG1	Stockpiles (4)	PM	-	1.78
		PM <sub>10</sub>	-	0.84

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## AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Primary Crushing Operation (Stone Plant)				
G1-7	System 1 Primary Crusher (4)	PM	0.05	0.19
		PM <sub>10</sub>	0.03	0.09
F1-6	System 2 Primary Crusher (4)	PM	0.05	0.19
		PM <sub>10</sub>	0.03	0.09
F1-12	System 2 Secondary Crusher (4)	PM	0.27	0.98
		PM <sub>10</sub>	0.13	0.48
G1-3	Screen SS2 (4)	PM	0.45	1.63
		PM <sub>10</sub>	0.21	0.78
G1-13	Screen 110 (4)	PM	0.19	0.67
		PM <sub>10</sub>	0.09	0.32
F1-2	Screen SS1 (4)	PM	0.45	1.63
		PM <sub>10</sub>	0.21	0.78
F1-16	Screen 921 (4)	PM	0.16	0.58
		PM <sub>10</sub>	0.08	0.27
MHFUG2	Material Handling (4)	PM	1.03	3.22
		PM <sub>10</sub>	0.47	1.49
SPFUG2	Stockpiles (4)	PM	-	0.28
		PM <sub>10</sub>	-	0.13
Shipping Operations (Sand Plant)				
A4-25	Screen 4 (4)	PM	0.22	0.82
		PM <sub>10</sub>	0.11	0.39
D5-3	Screen 52 (4)	PM	0.13	0.47
		PM <sub>10</sub>	0.06	0.22
D5-11	Screen 51 (4)	PM	0.13	0.47
		PM <sub>10</sub>	0.06	0.22

MHFUG3	Material Handling (4)	PM	2.41	9.22
		PM <sub>10</sub>	1.14	4.35
SPFUG3	Stockpiles (4)	PM	-	0.21
		PM <sub>10</sub>	-	0.10
<b>Base Plant</b>				
W3-10	Screen 3 (4)	PM	0.16	0.58
		PM <sub>10</sub>	0.08	0.27
MHFUG4	Material Handling (4)	PM	0.51	1.80
		PM <sub>10</sub>	0.24	0.85
SPFUG4	Stockpiles (4)	PM	-	0.14
		PM <sub>10</sub>	-	0.07

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. 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.
- (4) Fugitive emissions are an estimate only.

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

Hrs/day 24 Days/week 7 Weeks/year 52

Overall Stone and Sand Production: 3,400 Tons/hour 24,000,000 Tons/year

### Concrete Products Plant

VSI Crusher: 1,500 Tons/hour -  
10,875,000 Tons/year

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

Cone Crusher: 600 Tons/hour4,200,000 Tons/yearMaximum Combined Throughput of both  
Crushers: 1,500 Tons/hour 10,875,000  
Tons/year**Asphalt Products Plant**Primary Crusher: 1,700 Tons/hour12,325,000 Tons/yearSecondary Crusher: 600 Tons/hour  
4,349,493 Tons/year**Primary Crushing Operation (Stone Plant)**System 1 Primary Crusher: 1,700Tons/hour 12,325,000 Tons/yearSystem 2 Primary Crusher: 1,700Tons/hour 12,325,000 Tons/yearSystem 2 Secondary Crusher: 1,500Tons/hour 10,875,580 Tons/yearDated September 16, 2004