

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 84723

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**
WP1-TR1	Tunnel Belt (4)	PM	0.04	0.12
		PM <sub>10</sub>	0.01	0.04
WP1-SC1	Screen (4)	PM	1.32	3.63
		PM <sub>10</sub>	0.44	1.22
WP1-TR1S	Conveyor Transfer (4)	PM	0.08	0.23
		PM <sub>10</sub>	0.03	0.08
WP1-DP1	Unit 2 Screen (4)	PM	0.51	0.51
		PM <sub>10</sub>	0.24	0.24
WP1-CR1	Crusher (4)	PM	0.12	0.12
		PM <sub>10</sub>	0.06	0.06
WP1-TR2	Conveyor Transfer (4)	PM	0.01	0.04
		PM <sub>10</sub>	<0.01	0.01
WP1-TR3	Conveyor Transfer (4)	PM	0.08	0.23
		PM <sub>10</sub>	0.03	0.08
WP1-TR4	Conveyor Transfer (4)	PM	0.08	0.23
		PM <sub>10</sub>	0.03	0.08
WP1-TR5	Conveyor Transfer (4)	PM	0.08	0.23
		PM <sub>10</sub>	0.03	0.08
WP1-TR6	Conveyor Transfer (4)	PM	0.08	0.23
		PM <sub>10</sub>	0.03	0.08
WP1-SC2	Sand Wet Screen (4)	PM	0.14	0.41
		PM <sub>10</sub>	0.05	0.14

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WP1-TR7	Conveyor Transfer (4)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.02
WP1-TR8	Conveyor Transfer (4)(5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.02
WP1-TR9	Conveyor Transfer (4)(5)	PM		
		PM <sub>10</sub>		
WP1-TR10	Conveyor Transfer (4)(5)	PM		
		PM <sub>10</sub>		
WP1-DP2	Hopper (4)	PM	0.76	2.29
		PM <sub>10</sub>	0.36	1.08
WP1-TR11	Conveyor Transfer (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.02
WP1-SC3	Aggregate Wet Screen (4)	PM	0.04	0.11
		PM <sub>10</sub>	0.01	0.04
WP1-TR12	Conveyor Transfer (4)	PM	0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
WP1-SP1	Storage Area (4)	PM	--	0.27
		PM <sub>10</sub>	--	0.13
WP1-SP2	Storage Area (4)	PM	--	0.10
		PM <sub>10</sub>	--	0.05
WP1-SP3	Storage Area (4)	PM	--	0.10
		PM <sub>10</sub>	--	0.05
WP1-SP4	Storage Area (4)	PM	--	0.22
		PM <sub>10</sub>	--	0.10
WP1-SP5	Storage Area (4)	PM	--	0.06
		PM <sub>10</sub>	--	0.03
WP1-SP6	Storage Area (4)	PM	--	0.06
		PM <sub>10</sub>	--	0.03

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WP1-SP7	Storage Area (4)	PM	--	0.06
		PM <sub>10</sub>	--	0.03
WP1-SP8	Storage Area (4)	PM	--	0.06
		PM <sub>10</sub>	--	0.03

- (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 an 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
- (4) Fugitive emissions are an estimate only.
- (5) Sand transfer can be through any combination of these three conveyor transfer points. Emissions have been calculated using the maximum throughput of material that can pass through one point or all three points, simultaneously, in any given hour.

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

\_\_\_Hrs/day \_\_\_Days/week \_\_\_Weeks/year or 6,000 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

## Maximum Plant Throughput Rates:

Screen (EPN WP1-SC1):		<u>600</u> TPH	<u>3,300,000</u> TPY
Crusher (EPN WP1-CR1):	<u>100</u> TPH	<u>200,000</u> TPY	

Dated February 2, 2009