

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5183

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
RF-16	Tertiary Crusher CR-5 (4)	PM	0.0240	0.0526
		PM <sub>10</sub>	0.0089	0.0194
RF-21	Tertiary Crusher CR-6 (4)	PM	0.0240	0.0526
		PM <sub>10</sub>	0.0089	0.0194
RF-6	Tertiary Screening (4)	PM	0.4000	2.2800
		PM <sub>10</sub>	0.0840	0.4788
RF-10	Rinse Screen (4)	PM	0.1600	2.2800
		PM <sub>10</sub>	0.0336	0.4788
RF-20	Alpha Plant Screen (4)	PM	0.2400	0.6864
		PM <sub>10</sub>	0.0504	0.1441
RF-1	Transfer to Stacker Belt (4) 0.1004	PM		0.0351
		PM <sub>10</sub>	0.0140	0.0402
RF-2	Stacker Drop to Piles (4)	PM	3.3150	9.4809
		PM <sub>10</sub>	1.6575	4.7405
RF-2A	Belt Feeder Drop to C-32 (4) 0.1004	PM		0.0351
		PM <sub>10</sub>	0.0140	0.0402
RF-2B	Feeders Drop to C-33 (4)	PM	0.0351	0.1004
		PM <sub>10</sub>	0.0140	0.0402
RF-4A	Transfer Tower Fugitive (4)	PM	0.0351	0.0144
		PM <sub>10</sub>	0.0140	0.0058

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			<u>lb/hr</u>	<u>TPY</u>
RF-4B	Transfer Tower Fugitive (4)	PM	0.0351	0.0860
		PM <sub>10</sub>	0.0140	0.0344

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
RF-25	Transfers from C-40 (4)	PM	0.0072	0.0103
		PM <sub>10</sub>	0.0029	0.0041
RF-7	Base Drop to Rev. Belt (4)	PM	0.0072	0.0206
		PM <sub>10</sub>	0.0029	0.0041
RF-8	Agg. Drop to Rev. Belt (4)	PM	0.0144	0.0412
		PM <sub>10</sub>	0.0058	0.0165
RF-9	Transfer to Loadout Belt (4) 0.0412	PM		0.0144
		PM <sub>10</sub>	0.0058	0.0165
RF-11	Truck/Rail Loadout (4)	PM	0.0480	0.1373
		PM <sub>10</sub>	0.0192	0.0549
RF-12	Truck/Rail Loadout (4)	PM	0.0480	0.1373
		PM <sub>10</sub>	0.0192	0.0549
RF-13	Belt Transfer (4)	PM	0.0072	0.0206
		PM <sub>10</sub>	0.0029	0.0082
RF-14	Transfer to Stacker (4)	PM	0.0072	0.0206
		PM <sub>10</sub>	0.0029	0.0082
RF-15	Stacker Drop to Feeder Pile (4) 1.9448	PM		0.6800
		PM <sub>10</sub>	0.3400	0.9724
RF-15B	Feeder Drop to Crusher Belt (4) 0.0077	PM		0.0027
		PM <sub>10</sub>	0.0011	0.0031
RF-17	Crusher Return Drop (4)	PM	0.0027	0.0077
		PM <sub>10</sub>	0.0011	0.0031
RF-18	Stacker Drop to Pile (4)	PM	0.2550	0.7293
		PM <sub>10</sub>	0.1275	0.3647

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
RF-18B	Pile Drop to Belt (4)	PM	0.0108	0.0309
		PM <sub>10</sub>	0.0043	0.0124
RF-19	Transfer to Screen Belt (4)	PM	0.0108	0.0309
		PM <sub>10</sub>	0.0043	0.0124
RF-22	Belt Drop to Silos (4)	PM	0.0027	0.0077
		PM <sub>10</sub>	0.0011	0.0031
RF-23	Silo Belt Drop to Stacker (4) 0.0206	PM		0.0072
		PM <sub>10</sub>	0.0029	0.0082
RF-24	Stacker Loadout Drop (4)	PM	0.0960	0.2746
		PM <sub>10</sub>	0.0384	0.1098
RF-24A	Stacker Loadout Drop (4)	PM	0.0960	0.2746
		PM <sub>10</sub>	0.0384	0.1098
BPF-1	Base Pile Windblown (4)	PM		0.1264
		PM <sub>10</sub>		0.0598
RF-25	Transfers from C-40 (4)	PM	0.0072	0.0103
		PM <sub>10</sub>	0.0029	0.0041

(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.

(4) Fugitive emissions are an estimate only.

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

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

16 Hrs/day 7 Days/week 52 Weeks/year or 5,824 Hrs/year

A maximum hourly throughput of 1,950 tons and a maximum annual throughput of 11,154,000 tons.

Dated\_\_\_\_\_