EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20618

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
QF-4	Quarry Loader Drop to Truck (4)	PM	0.47	1.08
		PM_{10}	0.22	0.51
PF-1	Truck Drop to Crusher Hopper (4)	PM	0.48	1.08
		PM_{10}	0.23	0.51
PF-2	Primary Screening (4)	PM	2.10	4.79
		PM_{10}	0.21	0.48
PF-2A	Secondary Screening (4)	PM	0.66	2.90
		PM_{10}	0.32	1.38
PF-3	Primary Crusher (4)	PM	0.01	0.02
		PM_{10}	0.01	0.01
PF-3A	Secondary Crusher (4)	PM	0.45	1.97
		PM_{10}	0.22	0.97
TF-1	Screen Belts Drop to Outhaul (4)	PM	0.26	0.60
		PM_{10}	0.13	0.29
TF-2	Base Belt Transfer to Stacker (4)	PM	0.26	0.60
		PM_{10}	0.13	0.29
SF-1	Base Stacker Drop to Pile (4)	PM	0.52	1.19
		PM_{10}	0.25	0.57
SF-3	Base Pile (4)	PM	0.93	0.85
		PM_{10}	0.44	0.40
CR-1	Primary Crusher Baghouse	PM_{10}	1.54	6.76

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
TF-3	Crusher Belt Transfer to Stacker (4)	PM	0.22	0.49
		PM_{10}	0.11	0.23
SF-2	Crushed Stone Drop to Pile (4)	PM	0.43	0.97
		PM_{10}	0.21	0.46
SF-4	Stone Pile (4)	PM	0.93	0.51
		PM_{10}	0.44	0.24
TF-4	Base Feeders Drop to Overland (4)	PM	0.18	0.40
		PM_{10}	0.09	0.19
TF-5	Stone Feeders Drop to Overland (4)	PM	0.15	0.33
		PM_{10}	0.07	0.16
TF-6	Overland Conveyor Transfer (4)	PM	0.32	0.72
		PM_{10}	0.15	0.34
TF-6A	Base Conveyor to Radial Stacker (4)	PM	0.32	1.39
		PM_{10} 0.15	0.66	
TF-6B	Base Radial Stacker Drop to Pile (4)	PM	1.58	6.90
		PM_{10} 0.75	3.26	
TF-6C	Screen Belt to Overland Conveyor (4)	PM	0.32	1.38
		PM_{10} 0.15	0.65	
S-1	Secondary Screening (4)	PM	2.10	4.79
		PM_{10}	0.21	0.48
CR-2	Secondary Crusher Baghouse	PM_{10}	2.57	11.26
TF-7	Crusher Belt Drop to Surge (4)	PM	0.06	0.18
		PM_{10}	0.13	0.37
TF-8	Surge Drop to Return Belt (4)	PM	0.11	0.29
		PM_{10}	0.05	0.14

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
S-2	Auxiliary Screening (4)	PM	0.17	0.49
		PM_{10}	0.02	0.05
TF-9	Rock Drop to Silo (4)	PM	0.01	0.01
		PM_{10}	0.01	0.01
LO-1	Rock Drop to Truck (4)	PM	0.01	0.03
		PM_{10}	0.01	0.02
TF-10	264 Drop to Silo (4)	PM	0.01	0.02
		PM_{10}	0.01	0.01
LO-2	264 Drop to Truck (4)	PM	0.07	0.19
		PM_{10}	0.04	0.09
TF-11	Base Transfer to Outhaul Belt (4)	PM	0.22	0.61
		PM_{10}	0.11	0.29
TF-12	C-14 Drop to C-25 (4)	PM	0.15	0.41
		PM_{10}	0.07	0.20
TF-13	C-25 Drop to C-26 (4)	PM	0.19	0.55
		PM_{10}	0.09	0.26
SF-5	Stacker Drop to Pile (4)	PM	0.38	1.09
		PM_{10}	0.18	0.52
SF-6	Rock Pile (4)	PM	0.93	0.09
		PM_{10}	0.44	0.04
TF-14	Pile Feeder Drop to Crusher Belt (4)	PM	0.13	0.37
		PM_{10}	0.06	0.18
CR-3	Auxiliary Crusher (4)	PM	0.16	0.46
		PM_{10}	0.06	0.17

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
TF-15	C-14 Drop to C-23 (4)	PM	0.22	0.61
		PM_{10}	0.11	0.29
TF-16	C-23 Drop to C-24 (4)	PM	0.22	0.61
		PM_{10}	0.11	0.29
TF-17	Base Belt Drop to Stacker (4)	PM	0.22	0.61
		PM_{10}	0.11	0.29
TF-18	C-24 Drop to C-28 (4)	PM	0.22	0.61
		PM_{10}	0.11	0.29
SF-7	Stacker Drop to Base Pile (4)	PM	0.43	1.22
		PM_{10}	0.21	0.58
SF-8	Base Pile (4)	PM	0.93	0.12
		PM_{10}	0.44	0.06
UF-1	Under Piles Feeders (4)	PM	0.07	0.18
		PM_{10}	0.03	0.09
S-3	Tertiary Screening (4)	PM	0.95	2.71
		PM_{10}	0.10	0.28
TF-19	Oversize Drop to Stacker Belt (4)	PM	0.01	0.03
		PM_{10}	0.01	0.02
SF-9	Oversize Stacker Drop to Pile (4)	PM	0.02	0.05
		PM_{10}	0.01	0.03
SF-10	Oversize Pile (4)	PM	0.93	0.04
		PM_{10}	0.44	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
TF-20	C-30 Drop to Log Washer Belt (4)	PM	0.01	0.02
		PM_{10}	0.01	0.01
TF-21	Log Washer Belt Drop to Stacker (4)	PM	0.17	0.46
		PM_{10}	0.08	0.22
SF-11	Stacker Belt Drop to Pile (4)	PM	0.17	0.46
		PM_{10}	0.08	0.22
SF-12	Oversize Pile (4)	PM	0.12	0.01
		PM_{10}	0.06	0.01
TF-22	Sand Washer Drop to Belt (4)	PM	0.02	0.06
		PM_{10}	0.01	0.03
SF-13	Stacker Drop to Sand Pile (4)	PM	0.02	0.06
		PM_{10}	0.01	0.03

(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_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM 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:

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

Primary Crusher: 2,500 Tons/hour 21,900,000 Tons/year

Secondary Crushers: 1,000 Tons/hour 8,760,000 Tons/year

Total Facility: 21,900,000 Tons/year

Auxiliary Screening: 200 Tons/hour 1,752,000 Tons/year

Dated November 13, 2003