Emission Sources - Maximum Allowable Emission Rates

Permit Number 39563

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, sources, and related activities. 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 (5) *	
			lbs/hour	TPY
1	405-hp Engine No. 1	PM	0.12	0.18
		PM_{10}	0.10	0.15
		NO_x	5.45	8.17
		CO	0.63	0.94
		SO_2	0.84	1.25
		VOC	0.18	0.27
2	635-hp Engine No. 2	PM	0.11	0.17
		PM_{10}	0.09	0.14
		NO_x	6.88	10.32
		CO	0.71	1.07
		SO_2	1.30	1.95
		VOC	0.03	0.04
3	Jaw Crusher (4)	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
4	Impact Crusher (4)	PM	0.24	0.36
		PM_{10}	0.09	0.14
5	Screen (4)	PM	0.26	0.40
		PM_{10}	0.13	0.19
SPFUG	Stockpiles (4)	PM	--	2.00
		PM_{10}	--	0.96
MHFUG	Material Handling (4)	PM	0.15	0.24
		PM_{10}	0.10	0.16

(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.

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(3) PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
NO_x - oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
VOC - volatile organic compounds

(4) Fugitive emissions are an estimate only.

(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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

12 Hrs/day 6 Days/week 52 Weeks/year or 3,744 Hrs/year

Maximum Production: 175 tons/hour 655,200 tons/year

Date: December 6, 2012