

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8038

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
7	Kiln Bag Filter Stack	TSP	1.15	5.04
		PM ₁₀	1.15	5.04
16	Nitric Attack Vent	NO _x	0.10	0.43
		HNO ₃	0.04	0.12
43	Kiln Stack	TSP	0.20	0.90
		PM ₁₀	0.20	0.90
		NO _x	8.00	35.00
		VOC	0.01	0.04
		SO ₂	<0.01	0.01
		CO	0.10	0.43
		NH ₃	2.40	10.51
44	Storage Tank Bag Filter Stack	NH ₄ NO ₃	0.97	4.25
44	Storage Tank Bag Filter Stack	TSP	0.014	0.07
		PM ₁₀	0.014	0.07
45	Conveyor Bag Filter Stack	TSP	0.014	0.07
		PM ₁₀	0.014	0.07
46	Weigh Hopper Blend	TSP	0.014	0.07
		PM ₁₀	0.014	0.07
50	Dryer Bag Filter Stack	TSP	0.04	0.20
		PM ₁₀	0.04	0.20
		NH ₃	0.18	0.79
53	Packed Tower	VOC	8.80	38.54
		NH ₃	1.00	4.40
62B	Rotary Filter Stack	NH ₃	0.50	2.19

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
63	Reactor Filter Stack	NH ₃	1.00	4.40
76	Kiln Bag Filter Stack	TSP	0.14	0.61
		PM ₁₀	0.14	0.61
		NO _x	0.43	1.90
77	Bag Filter Stack	TSP	0.04	0.18
		PM ₁₀	0.04	0.18
78	Effl. Vacuum Pump	NH ₃	1.20	5.30
79	Effl. Filter Head	NH ₃	0.50	2.20
83	Belt Filter, Vacuum Vent	NH ₃	0.36	1.56
F-RE	Vacuum Pump (4)	NH ₃	1.98	8.67
90	Cerium Zirconium Wet Scrubber Stack	TSP	0.10	0.40
		PM ₁₀	0.10	0.40
		NO _x	1.15	5.00
		CO	1.80	7.90

- (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) TSP - total suspended particulate matter including PM₁₀
PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HNO₃ - nitric acid
NH₃ - ammonia
NH₄NO₃ - ammonium nitrate

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(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

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

** Compliance with these permitted emission limits is based on a maximum plant throughput as shown on Tables 2 in the confidential file.

Dated_____