

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 24421

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
1	Boiler Stack No. 1 (6)			TSP	3.43	14.95
				PM ₁₀	2.09	9.15
				NO _x	0.35	1.06
				SO ₂	<0.05	0.21
				CO	4.13	18.03
				VOC	<0.10	<0.42
				Pb	<0.0001	<0.0009
				HCl	<0.005	<0.0001
2	Boiler Stack No. 2 (6)			TSP	3.43	14.95
				PM	2.09	9.15
				NO _x	0.35	1.06
				SO ₂	<0.05	0.21
				CO	4.13	18.03
				VOC	<0.10	<0.42
				PB	<0.0001	<0.0009
				HCl	0.005	<0.0001
3	Boiler Backup Stack (7)			TSP (7)	6.86	29.9
				PM ₁₀ (7)	4.18	18.30
				NO _x (7)	0.70	2.12
				SO ₂ (7)	<0.10	0.42
				CO (7)	8.26	36.06
				VOC (7)	<0.20	<0.84
				PB (7)	<0.002	<0.002
				HCl (7)	<0.01	<0.0002
4	Central Baghouse Vent			PM ₁₀	0.86	3.74
5	Feeder Cyclone Exhaust			TSP	<0.12	0.51
				PM ₁₀	<0.03	0.10

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FUG1	Truck and Bin Loading (4)	PM ₁₀	<0.003	<0.002
FUG2	Drum Filling (4)	VOC (5)	<0.003	<0.01

- (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
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
Pb - lead
HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Cedar oil vapor
- (6) Emissions from the stack may exceed the quantity listed; however, the total emissions from both Boiler Stack No. 1 and No. 2 shall not exceed the sum of the quantities listed for Stacks No. 1 and No. 2.
- (7) Emits only when Emission Point Number (EPN) 1 and/or EPN 2 are non-operational for maintenance or upset. EPN 3 emissions are the sum of emissions from EPN 1 and EPN 2 and should not be used for emission fee determination.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,736

The Hog and Hammermill are limited to grinding of 30 tons per day of raw material and 12 hours per day of daytime operation.

The Cedar Oil Distillation Process shall not exceed an hourly throughput of 1,000 pounds of ground cedar.

The Furnace/Boiler shall be limited to the burning of 2,500 pounds per hour and 30 tons per day of ground fines that are a product of the the distillation process, except for the use of diesel fuel, cedar wood rosin, and waste oil as prescribed in Special Condition No. 3.

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Dated _____