

# EMISSIONS SOURCES- MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
1	Main Boiler Stack (6)	PM	5.21	22.72
		PM <sub>10</sub>	3.18	13.91
		NO <sub>x</sub>	0.53	1.61
		SO <sub>2</sub>	<0.08	0.32
		CO	6.28	27.41
		VOC	<0.15	<0.64
		Pb	<0.00015	<0.0014
		HCl	<0.0008	<0.00015
2	Waste Boiler Stack (6)	PM	1.65	7.18
		PM <sub>10</sub>	1.00	4.39
		NO <sub>x</sub>	0.17	0.51
		SO <sub>2</sub>	<0.02	0.10
		CO	1.98	8.65
		VOC	<0.05	<0.20
		PB	<0.00005	<0.0004
		HCl	0.0002	<0.00005
4	Central Baghouse Vent	PM <sub>10</sub>	0.86	3.74
5	Feeder Cyclone Exhaust	PM	<0.12	0.51
		PM <sub>10</sub>	<0.03	0.10
FUG1	Truck and Bin Loading (4)	PM <sub>10</sub>	<0.003	<0.002
FUG2	Drum Filling (4)	VOC (5)	<0.003	<0.01

#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 PM greater than 10 microns is emitted.  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
Pb - lead  
HCl - hydrogen chloride
  - (4) Fugitive emissions.
  - (5) Cedar oil vapor
  - (6) Emissions from the stack may exceed the quantity listed; however, the total emissions from both Boiler Stack Nos. 1 and 2 shall not exceed the sum of the quantities listed for Stack Nos. 1 and 2.
- \* 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 combined firing rate for the main boiler furnace and the waste heat boiler furnace shall be

limited to the burning of 2,500 pounds per hour and 30 tons per day of solid fuel, except for the use of diesel fuel, cedar wood rosin, and waste oil as prescribed in Special Condition No. 3. Solid fuel used to fire the boilers is limited to ground cedar or corriander that are products of the distillation process and/or unpainted and untreated wood and pecan shells.

Dated November 29, 2004