

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 55250

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	Pecan Receiving No. 1 (a)	PM PM <sub>10</sub> 0.66	1.32 -	-
2	Pecan Receiving No. 2 (a)	PM PM <sub>10</sub> 0.66	1.32 -	-
	Total Pecan Receiving (b)	PM PM <sub>10</sub> -	- 0.54	1.80
3	Pecan Silos Nos. 1 through 8 Cyclone (c)	PM <sub>10</sub>	1.93	8.45
4	Pecan Silos Nos. 9 through 16 Bagfilter (d)	PM <sub>10</sub>	1.20	5.26
5	Shelling Dryer No. 1 (e)	PM <sub>10</sub> VOC NO <sub>x</sub> CO SO <sub>2</sub>	0.01 0.01 0.14 0.12 <0.01	0.05 0.03 0.63 0.53 <0.01
6	Shelling Dryer No. 2 (e)	PM <sub>10</sub> VOC NO <sub>x</sub> CO SO <sub>2</sub>	0.01 0.01 0.14 0.12 <0.01	0.05 0.03 0.63 0.53 <0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
7	Shelling Dryer No. 3 (e)	PM <sub>10</sub>	0.01	0.05
		VOC	0.01	0.03
		NO <sub>x</sub>	0.14	0.63
		CO	0.12	0.53
		SO <sub>2</sub>	<0.01	<0.01
8	Sterilization Dryer (f)	PM <sub>10</sub>	0.02	0.07
		VOC	0.01	0.05
		NO <sub>x</sub>	0.24	1.03
		CO	0.20	0.86
		SO <sub>2</sub>	<0.01	<0.01
9	Pecan Shell Silos Nos.1 and 2 Cyclone (c)	PM <sub>10</sub>	1.29	5.63
10	Continuous Oil Roaster No. 1 (g)	PM	0.86	1.12
		PM <sub>10</sub>	0.01	0.07
		VOC	0.01	0.05
		NO <sub>x</sub>	0.20	0.86
		CO	0.16	0.72
		SO <sub>2</sub>	<0.01	0.01
11	Continuous Oil Roaster No. 2 (g)	PM	0.86	1.12
		PM <sub>10</sub>	0.01	0.07
		VOC	0.01	0.05
		NO <sub>x</sub>	0.20	0.86
		CO	0.16	0.72
		SO <sub>2</sub>	<0.01	0.01
12	Continuous Oil Roaster No. 3 (g)	PM	0.86	1.12
		PM <sub>10</sub>	0.01	0.07
		VOC	0.01	0.05
		NO <sub>x</sub>	0.20	0.86
		CO	0.16	0.72
		SO <sub>2</sub>	<0.01	0.01
13	Batch Oil Roaster Nos. 1 and 2 (h)	PM	0.36	0.05
		PM <sub>10</sub>	<0.01	0.02
		VOC	<0.01	0.01

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		NO <sub>x</sub>	0.06	0.26
		CO	0.05	0.22
		SO <sub>2</sub>	<0.01	<0.01
14	Sterilization Chamber Vent	C <sub>3</sub> H <sub>6</sub> O	3.93	3.74

- (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) C<sub>3</sub>H<sub>6</sub>O - methyl ethylene oxide (propylene oxide)
  - 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 particulate matter greater than 10 microns is emitted.
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
- (a) Emission rates for each of the facilities are based on and limited to an hourly throughput of 22 tons per hour of shelled pecans.
- (b) Emission rates are based on and the facilities are limited to an annual throughput of 60,000 tons per year of shelled pecans.
- (c) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.03 grain per dry standard cubic feet (gr/dscf) and 8,760 hours per year (hrs/yr).
- (d) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 gr/dscf and 8,760 hrs/yr.
- (e) Emission rates for each of the facilities are based on and are limited to a heat input of 1.475 MMBtu/hr and 8,760 hrs/yr.
- (f) Emission rates are based on and the facilities are limited to a heat input of 2.4 MMBtu/hr and 8,760 hrs/yr.

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- (g) The PM emission rates for each of the facilities are based on and limited to a hourly throughput of 1.3 tons and an annual throughput of 3,380 tons. Combustion emissions rates for each of the facilities are based on and limited to a heat input of 2 MMBtu/hr and 8,760 hr/yr.
- (h) The PM emission rates for the combined facilities are based on and limited to a total hourly throughput of 0.3 tons and a total annual throughput of 78 tons. Combustion emissions rates are based on and limited to a heat input of 0.6 MMBtu/hr and 8,760 hrs/yr.

Dated February 2, 2006