

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 133997

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 (4)
FUGREC	Cottonseed Receiving Building Fugitives (Cottonseed Receiving and Hopper Loading) (6)	PM	2.22	0.71
		PM <sub>10</sub>	0.73	0.23
		PM <sub>2.5</sub>	0.12	0.04
1	Cimco Preheater Cyclone Stack (CYC-1)	PM	0.23	0.54
		PM <sub>10</sub>	0.23	0.54
		PM <sub>2.5</sub>	0.23	0.54
		VOC	0.01	0.02
		NO <sub>x</sub>	0.10	0.23
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.08	0.19
5	Delinting Drum Exhaust Bagfilter and Burner Stack (FTR-2)	PM	0.22	0.52
		PM <sub>10</sub>	0.22	0.52
		PM <sub>2.5</sub>	0.22	0.52
		NH <sub>4</sub> Cl	0.22	0.52
		VOC	<0.01	0.01
		NO <sub>x</sub>	0.05	0.11
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.04	0.09
		NH <sub>3</sub>	0.15	0.28
DEFUG	Delinting Material Transfer Fugitives (6)	PM	0.12	0.22
		PM <sub>10</sub>	0.07	0.12
		PM <sub>2.5</sub>	0.01	0.02
		HCl	0.06	0.11
7	North and South Buffing Reels and Dry Fuzzy	PM	0.71	1.64

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		PM <sub>10</sub>	0.71	1.64
		PM <sub>2.5</sub>	0.71	1.64
6	Cull Bin Cyclone Stack (CYC-9)	PM	0.42	0.96
		PM <sub>10</sub>	0.42	0.96
		PM <sub>2.5</sub>	0.42	0.96
15	Cleaner Cyclone Stack	PM	0.57	1.30
		PM <sub>10</sub>	0.57	1.30
		PM <sub>2.5</sub>	0.57	1.30
16	Primary Gravity Table Cyclone Stack	PM	1.46	3.36
		PM <sub>10</sub>	1.46	3.36
		PM <sub>2.5</sub>	1.46	3.36
17	Color Sorter Cyclone Stack	PM	0.86	1.97
		PM <sub>10</sub>	0.86	1.97
		PM <sub>2.5</sub>	0.86	1.97
19	Front Half – Treated Seed Material Transfer Points and Tertiary Color Sorter Kimbell Cyclone Stack	PM	1.60	3.69
		PM <sub>10</sub>	1.60	3.69
		PM <sub>2.5</sub>	1.60	3.69
20	Back Half - Bagging and Seed Handling Material Transfer Points Kice Aspirator Cyclone Stack	PM	0.65	1.50
		PM <sub>10</sub>	0.65	1.50
		PM <sub>2.5</sub>	0.65	1.50
TBFUG	Seed Treating and Bagging Fugitives (6)	PM	0.18	0.26
		PM <sub>10</sub>	0.10	0.14
		PM <sub>2.5</sub>	0.02	0.02
11	North Lint Bin Loadout (6)	PM	0.05	0.09
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	<0.01	0.01
12	South Lint Bin Loadout (6)	PM	0.05	0.09
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	<0.01	0.01

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	Total Lint Bin Loadout (6)	PM	--	0.09
		PM <sub>10</sub>	--	0.03
		PM <sub>2.5</sub>	--	0.01
13	Cull Bin Hopper Loadout (6)	PM	0.08	0.14
		PM <sub>10</sub>	0.03	0.05
		PM <sub>2.5</sub>	0.01	0.01
14	Debugging Cyclone Stack	PM	0.34	0.79
		PM <sub>10</sub>	0.34	0.79
		PM <sub>2.5</sub>	0.34	0.79
FUGDEB	Debugging Building Fugitives (6)	PM	0.54	0.05
		PM <sub>10</sub>	0.35	0.03
		PM <sub>2.5</sub>	0.05	0.03

- (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) VOC
  - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub>
  - total oxides of nitrogen
- SO<sub>2</sub>
  - sulfur dioxide
- PM
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub>
  - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub>
  - particulate matter equal to or less than 2.5 microns in diameter
- CO
  - carbon monoxide
- NH<sub>3</sub>
  - ammonia
- HCl
  - hydrochloric acid
- NH<sub>4</sub>Cl
  - ammonium chloride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: February 17, 2017