

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 54541

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)	<u>Emission Rates</u>	
			lb/hr	TPY
FUGREC	Cottonseed Receiving Building Fugitives (4)	PM/PM ₁₀	0.25	0.26
1	Cimco Preheater Cyclone ([CYC-1] 1 MMBtu/hr)	PM/PM ₁₀	0.23	0.47
		VOC	0.01	0.02
		NO _x	0.10	0.20
		SO ₂	<0.01	<0.01
		CO	0.08	0.17
5	Delinting Drum Exhaust Bagfilter and Burner Stack ([FTR-2] 0.5 MMBtu/hr)	PM/PM ₁₀ /NH ₄ Cl	0.22	0.45
		VOC	<0.01	<0.01
		NO _x	0.04	0.09
		SO ₂	<0.01	<0.01
		CO	0.04	0.07
		NH ₃	0.15	0.28
DEFUG	Delinting Building Fugitives (4)	PM/PM ₁₀	0.31	0.56
		HCl	0.60	1.10
7	North and South Buffing Reels Bagfilter Stack (FTR-1)	PM/PM ₁₀	0.71	1.44
6	Crippen Cleaner/Cull Bin Cyclone (CYC-9)	PM/PM ₁₀	0.42	0.84
9	Crippen Cleaner Cyclone A (CYC-6A)	PM/PM ₁₀	0.20	0.41

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10	Crippen Cleaner Cyclone B (CYC-6B)	PM/PM ₁₀	0.20	0.41
8	Bagger No. 1 and Bagger No. 2 Cyclone ([CYC-10] Seed Treatment Processes)	PM/PM ₁₀ VOC HAPs (5)	0.26 7.48 0.32	0.52 11.22 0.48
FUG2	Bagging and Seed Treatment Fugitives (4)	PM/PM ₁₀ VOC HAPs (5)	0.16 0.83 0.04	0.24 1.67 0.48
11	North Lint Bin Loadout	PM PM ₁₀	0.05 0.02	- -
12	South Lint Bin Loadout	PM PM ₁₀	0.05 0.02	- -
	Total Lint Bin Loadout	PM PM ₁₀	- -	0.10 0.03
13	Cull Bin Hopper Loadout	PM PM ₁₀	0.07 0.02	0.14 0.05
14	Debagging Cyclone	PM/PM ₁₀	0.34	0.69
FUGDEB	Debagging Building Fugitives (4)	PM/PM ₁₀	2.30	0.20

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

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- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - HCl - hydrogen chloride
 - NH₃ - ammonia
 - NH₄Cl - ammonium chloride
 - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Fugitive emissions are an estimate only.
- (5) HAP emissions are included in the total hourly and annual VOC emission rates.

Dated August 24, 2009