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, 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	
			lbs/hour	TPY (4)
FUGREC	Cottonseed Receiving Building Fugitives	PM	0.25	0.26
		PM_{10}	0.25	0.26
		$PM_{2.5}$	0.25	0.26
1	Cimco Preheater Cyclone Stack (CYC-1)	PM	0.23	0.47
		PM_{10}	0.23	0.47
		$PM_{2.5}$	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)	PM	0.22	0.45
		PM_{10}	0.22	0.45
		$PM_{2.5}$	0.22	0.45
		NH_4Cl	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

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DEFUG	Delinting Building Fugitives	PM	0.19	0.34
		PM_{10}	0.10	0.19
		$PM_{2.5}$	0.10	0.19
		HCl	0.60	1.10
7	North and South Buffing Reels and Dry Fuzzy Seed Transfer Point Bagfilter Stack (FTR-1)	PM	0.71	3.12
		PM_{10}	0.71	3.12
		$PM_{2.5}$	0.71	3.12
6	Crippen Cleaner and Cull Bin Cyclone Stack (CYC-9)	PM	0.42	0.84
		PM_{10}	0.42	0.84
		$PM_{2.5}$	0.42	0.84
9	Crippen Cleaner Cyclone A Stack (CYC-6A)	PM	0.20	0.41
		PM_{10}	0.20	0.41
		$PM_{2.5}$	0.20	0.41
10	Crippen Cleaner Cyclone B Stack (CYC-6B)	PM	0.20	0.41
		PM_{10}	0.20	0.41
		$PM_{2.5}$	0.20	0.41
15	Cleaner Cyclone Stack	PM	0.57	1.14
		PM_{10}	0.57	1.14
		$PM_{2.5}$	0.57	1.14
16	Primary Gravity Table Cyclone Stack	PM	1.46	2.94
		PM_{10}	1.46	2.94
		$PM_{2.5}$	1.46	2.94
17	Secondary Gravity Table Cyclone Stack	PM	0.86	1.73
		PM_{10}	0.86	1.73

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.86	1.73
8	Back Half - Bagging and Seed Handling Material Transfer Points Cyclone Stack	PM	0.02	0.03
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
18	Front Half - Treated Seed Material Transfer Points Cyclone Stack	PM	0.08	0.11
		PM_{10}	0.08	0.11
		$PM_{2.5}$	0.08	0.11
		VOC	7.62	11.31
		HAP	<0.01	<0.01
FUG2	Bagging and Seed Treatment Fugitives	PM	0.26	0.18
		PM_{10}	0.26	0.18
		$PM_{2.5}$	0.26	0.18
		VOC	8.47	1.26
		HAPs (5)	0.01	0.01
11	North Lint Bin Loadout	PM	0.05	0.10
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
12	South Lint Bin Loadout	PM	0.05	0.10
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
	Total Lint Bin Loadout	PM	-	0.10
		PM_{10}	-	0.03
		$PM_{2.5}$	-	0.03
13	Cull Bin Hopper Loadout	PM	0.07	0.14

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		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.02	0.05
14	Debagging Cyclone Stack	PM	0.34	0.69
		PM_{10}	0.34	0.69
		$PM_{2.5}$	0.34	0.69
FUGDEB	Debagging Building Fugitives	PM	2.30	0.20
		PM_{10}	2.30	0.20
		$PM_{2.5}$	2.30	0.20

(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_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
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
NH_3 - ammonia
HCl - hydrochloric acid
NH_4Cl - 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) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) HAP emissions are included in the total hourly and annual VOC emission rates.

Date: January 15, 2013

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