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	8.69	1.25
		PM_{10}	2.85	0.41
		$PM_{2.5}$	0.48	0.07
DEFUG	Delinting Material Transfer Fugitives and Burner Exhaust (2.0 MMBTU/hr.) (6)	PM	0.13	0.24
		PM_{10}	0.08	0.15
		$PM_{2.5}$	0.03	0.06
		HCl	0.08	0.14
		CO	0.16	0.45
		NO_X	0.20	0.53
		SO_2	<0.01	<0.01
		VOC	0.01	0.03
TBFUG	Seed Treating and Bagging Fugitives (6)	PM	0.18	0.34
		PM_{10}	0.10	0.19
		$PM_{2.5}$	0.02	0.03
13	Cull Bin Hopper Loadout (6)	PM	0.86	0.02
		PM_{10}	0.30	0.01
		$PM_{2.5}$	0.05	<0.01
33	Lint Collection Loadout (6)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FUGDEB	Debagging Building Fugitives (6)	PM	0.54	0.10
		PM_{10}	0.35	0.05
		$PM_{2.5}$	0.05	0.01
21	Delinting Cyclone Stack (600-CC-01)	PM	0.37	0.67

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		PM_{10}	0.20	0.37
		$PM_{2.5}$	0.04	0.06
22	Delinting Cyclone Stack (600-CC-07)	PM	0.37	0.67
		PM_{10}	0.20	0.37
		$PM_{2.5}$	0.04	0.06
23	Seed Cleaner Cyclone Stack ((600-CC-08)	PM	0.37	0.67
		PM_{10}	0.20	0.37
		$PM_{2.5}$	0.04	0.06
24	Preheater and Burner Exhaust Cyclone Stack (600-CC-06) (2.0 MMBTU/hr.)	PM	0.38	0.71
		PM_{10}	0.22	0.41
		$PM_{2.5}$	0.05	0.10
		VOC	0.01	0.03
		NO_X	0.20	0.53
		SO_2	<0.01	<0.01
		CO	0.16	0.44
25	North and South Buffing Reels, Dry Fuzzy Seed Transfer Points, Delinting Drum Exhaust and Acid Dust Collection Filter Stack (610-DC-01)	PM	1.11	3.01
		PM_{10}	1.11	3.01
		$PM_{2.5}$	1.11	3.01
		NH_3	0.23	0.41
		NH_4Cl	1.11	3.01
26	Treating Cyclone Stack (630-CC-02N and 630-CC-02S)	PM	0.37	0.72
		PM_{10}	0.20	0.40
		$PM_{2.5}$	0.04	0.07
27	Treating Cyclone Stack (630-CC-01)	PM	0.61	0.72
		PM_{10}	0.34	0.40
		$PM_{2.5}$	0.06	0.07
28	Debagging Cyclone Stack (280-CC-11)	PM	1.07	0.19
		PM_{10}	0.60	0.11
		$PM_{2.5}$	0.10	0.02

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29	Delinting Vacuum System Filter Stack (690-FR-01)	PM	0.05	0.14
		PM_{10}	0.05	0.14
		$PM_{2.5}$	0.05	0.14
30	Treating Vacuum System Filter Stack (700-FR-01)	PM	0.05	0.14
		PM_{10}	0.05	0.14
		$PM_{2.5}$	0.05	0.14
31	Rework Vacuum System Filter Stack (290-FR-01)	PM	0.05	0.14
		PM_{10}	0.05	0.14
		$PM_{2.5}$	0.05	0.14

(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
NH_3 - ammonia
HCl - hydrochloric acid
NH_4Cl - 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: November 12, 2020