Emission Sources - Maximum Allowable Emission Rates

Permit Number 138547

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 (6)	
			lbs/hour	TPY (4)
08.260F	Lint Neutralization 1 (Ag-lime) Common Dust Collector Stack	PM	0.29	0.59
		PM_{10}	0.29	0.59
		$PM_{2.5}$	0.29	0.59
40.900F	Sodium Bicarbonate Common Dust Collector Stack	PM	0.10	0.20
		PM_{10}	0.10	0.20
		$PM_{2.5}$	0.10	0.20
41.900F	FS-Fluid Bed Dryer - Line 1A Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
41.905F	FS-Fluid Bed Dryer - Line 1B Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
41.910F	FS-Fluid Bed Dryer - Line 1C Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78

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		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
41.915F	FS-Fluid Bed Dryer - Line 1D Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
41.930F	Buffing - Line 1 Dryer and Dust Collector Stack	PM	0.98	1.95
		PM_{10}	0.98	1.95
		$PM_{2.5}$	0.98	1.95
		CO	0.41	0.82
		NO_x	0.49	0.98
		SO_2	<0.01	0.01
		VOC	0.03	0.05
42.900F	FS-Fluid Bed Dryer - Line 2A Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
42.905F	FS-Fluid Bed Dryer Line 2B Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	0.01
		VOC	0.03	0.05
42.910F	FS-Fluid Bed Dryer - Line 2C Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
42.915F	FS-Fluid Bed Dryer - Line 2D Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
42.930F	Buffing - Line 2 Dryer and Dust Collector Stack	PM	0.98	1.95
		PM_{10}	0.98	1.95
		$PM_{2.5}$	0.98	1.95
		CO	0.41	0.82
		NO_x	0.49	0.98
		SO_2	<0.01	0.01
		VOC	0.03	0.05
43.900F	FS-Fluid Bed Dryer - Line 3A Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.03	0.05
43.905F	FS-Fluid Bed Dryer - Line 3B Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
43.910F	FS-Fluid Bed Dryer - Line 3C Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
43.915F	FS-Fluid Bed Dryer - Line 3D Cyclone Stack	PM	1.41	2.83
		PM_{10}	1.41	2.83
		$PM_{2.5}$	1.41	2.83
		CO	0.39	0.78
		NO_x	0.47	0.93
		SO_2	<0.01	0.01
		VOC	0.03	0.05
43.930F	Buffing - Line 3 Dryer and Dust Collector Stack	PM	0.98	1.95
		PM_{10}	0.98	1.95
		$PM_{2.5}$	0.98	1.95
		CO	0.41	0.82
		NO_x	0.49	0.98
		SO_2	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.03	0.05
51.915F	Air Screen Cleaner/ House – Line 1 Dust Collector Stack	PM	1.17	2.34
		PM_{10}	1.17	2.34
		$PM_{2.5}$	1.17	2.34
51.925F	Bulk Storage Infeed / Post – Common Dust Collector Stack	PM	2.34	4.68
		PM_{10}	2.34	4.68
		$PM_{2.5}$	2.34	4.68
52.915F	Air Screen Cleaner/ House – Line 2 Dust Collector Stack	PM	1.76	3.51
		PM_{10}	1.76	3.51
		$PM_{2.5}$	1.76	3.51
53.915F	Air Screen Cleaner/ House – Line 3 Dust Collector Stack	PM	1.17	2.34
		PM_{10}	1.17	2.34
		$PM_{2.5}$	1.17	2.34
58.006F	Vacuum System – Acidic Application – Common Bin Vent Stack	PM	0.05	0.09
		PM_{10}	0.05	0.09
		$PM_{2.5}$	0.05	0.09
40.920F	Acidic Lint Loadout – Common Dust Collector Stack	PM	0.59	1.17
		PM_{10}	0.59	1.17
		$PM_{2.5}$	0.59	1.17
58.015F	Vacuum System Neutralization Application – Common Bin Vent Stack	PM	0.03	0.07
		PM_{10}	0.03	0.07
		$PM_{2.5}$	0.03	0.07
55.945F	Treating – Line 1A Dryer and Dust Collector Stack	PM	0.86	0.86
		PM_{10}	0.86	0.86
		$PM_{2.5}$	0.86	0.86
		CO	0.45	0.45
		NO_x	0.53	0.53

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	<0.01
		VOC	0.03	0.03
55.960F	Treating – Line 1B Dryer and Dust Collector Stack	PM	0.86	0.86
		PM_{10}	0.86	0.86
		$PM_{2.5}$	0.86	0.86
		CO	0.45	0.45
		NO_x	0.53	0.53
		SO_2	<0.01	<0.01
		VOC	0.03	0.03
55.970F	Post Treating Packaging System (Baggers, De-Bagging, Seed Pack Filling) – Common Dust Collectors Stack	PM	2.43	2.43
		PM_{10}	2.43	2.43
		$PM_{2.5}$	2.43	2.43
55.980F	TMTS Powders (Treating, Mixing, Dosing) – Common Dust Collector Stack	PM	0.20	0.20
		PM_{10}	0.20	0.20
		$PM_{2.5}$	0.20	0.20
56.945F	Treating – Line 2A Dryer and Dust Collector Stack	PM	0.86	0.86
		PM_{10}	0.86	0.86
		$PM_{2.5}$	0.86	0.86
		CO	0.45	0.45
		NO_x	0.53	0.53
		SO_2	<0.01	<0.01
		VOC	0.03	0.03
56.960F	Treating – Line 2B Dryer and Dust Collector Stack	PM	0.86	0.86
		PM_{10}	0.86	0.86
		$PM_{2.5}$	0.86	0.86
		CO	0.45	0.45
		NO_x	0.53	0.53
		SO_2	<0.01	<0.01
		VOC	0.03	0.03

Emission Sources - Maximum Allowable Emission Rates

57.945F	Treating – Line 3A Dryer and Dust Collector Stack	PM	0.86	0.86
		PM_{10}	0.86	0.86
		$PM_{2.5}$	0.86	0.86
		CO	0.45	0.45
		NO_x	0.53	0.53
		SO_2	<0.01	<0.01
		VOC	0.03	0.03
57.960F	Treating – Line 3B Dryer and Dust Collector Stack	PM	0.86	0.86
		PM_{10}	0.86	0.86
		$PM_{2.5}$	0.86	0.86
		CO	0.45	0.45
		NO_x	0.53	0.53
		SO_2	<0.01	<0.01
		VOC	0.03	0.03
58.355F	Bulk Storage Vacuum – Common Bin Vent Stack	PM	0.03	0.07
		PM_{10}	0.03	0.07
		$PM_{2.5}$	0.03	0.07
58.405F	Vacuum System - Treaters – Common Bin Vent Stack	PM	0.03	0.03
		PM_{10}	0.03	0.03
		$PM_{2.5}$	0.03	0.03
51.120Y	Neutralization Line 1 Dryer Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		CO	0.06	0.12
		NO_x	0.07	0.14
		SO_2	<0.01	<0.01
		VOC	<0.01	0.01
52.120Y	Neutralization - Line 2 Dryer Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.01	0.01
		CO	0.06	0.12
		NO_x	0.07	0.14
		SO_2	<0.01	<0.01
		VOC	<0.01	0.01
53.120Y	Neutralization - Line 3 Dryer Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		CO	0.06	0.12
		NO_x	0.07	0.14
		SO_2	<0.01	<0.01
		VOC	<0.01	0.01
51.130D	Black Seed Fluid Bed - Line 1 Dryer Vent	PM	0.04	0.07
		PM_{10}	0.04	0.07
		$PM_{2.5}$	0.04	0.07
		CO	0.40	0.81
		NO_x	0.48	0.96
		SO_2	<0.01	0.01
		VOC	0.03	0.05
52.130D	Black Seed Fluid Bed - Line 2 Dryer Vent	PM	0.04	0.07
		PM_{10}	0.04	0.07
		$PM_{2.5}$	0.04	0.07
		CO	0.40	0.81
		NO_x	0.48	0.96
		SO_2	<0.01	0.01
		VOC	0.03	0.05
53.130D	Black Seed Fluid Bed - Line 3 Dryer Vent	PM	0.04	0.07
		PM_{10}	0.04	0.07
		$PM_{2.5}$	0.04	0.07

Emission Sources - Maximum Allowable Emission Rates

		CO	0.40	0.81
		NO_x	0.48	0.96
		SO_2	<0.01	0.01
		VOC	0.03	0.05
50.175Y	Evaporator – Common Vent	PM	0.03	0.07
		PM_{10}	0.03	0.07
		$PM_{2.5}$	0.03	0.07
		CO	0.37	0.75
		NO_x	0.45	0.89
		SO_2	<0.01	0.01
		VOC	0.02	0.05
50.984Y	Treater Evaporator – Common Vent	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		CO	0.03	0.03
		NO_x	0.03	0.03
		SO_2	<0.01	<0.01
		VOC	<0.01	<0.01
BLDFUG1	Process Building Fugitives (5)	PM	0.64	1.29
		PM_{10}	0.64	1.29
		$PM_{2.5}$	0.64	1.29
FS_FUG1	Fuzzy Seed Truck Receiving Point 1 (5)	PM	7.92	2.16
		PM_{10}	2.60	0.71
		$PM_{2.5}$	0.44	0.12
FS_FUG2	Fuzzy Seed Truck Receiving Point 2 (5)	PM	7.92	2.16
		PM_{10}	2.60	0.71
		$PM_{2.5}$	0.44	0.12
FS_FUG3	Fuzzy Seed Truck Receiving Point 3 (5)	PM	7.92	2.16

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		PM_{10}	2.60	0.71
		$PM_{2.5}$	0.44	0.12
CULL_FUG	Cull Loadout Spout (5)	PM	0.31	0.62
		PM_{10}	0.10	0.21
		$PM_{2.5}$	0.02	0.04

(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
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: March 13, 2018