

Emission Sources - Maximum Allowable Emission Rates

Permit Number 45895

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)
BLR1	Boiler No. 1 Stack	PM	0.06	0.28
		PM ₁₀	0.06	0.28
		PM _{2.5}	0.06	0.28
		SO ₂	0.01	0.03
		NO _x	0.85	3.72
		CO	0.71	3.13
		VOC	0.05	0.2
BLR2	Boiler No. 2 Stack	PM	0.08	0.35
		PM ₁₀	0.08	0.35
		PM _{2.5}	0.08	0.35
		SO ₂	0.01	0.03
		NO _x	1.05	4.60
		CO	0.88	3.86
		VOC	0.06	0.25
D1	Dryer Cyclone No. 1 Stack	PM	6.54	28.64
		PM ₁₀	2.17	9.49
		PM _{2.5}	1.64	7.17
		SO ₂	0.01	0.04
		NO _x	1.58	6.92
		CO	1.33	5.81
		VOC	0.09	0.38

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D2	Dryer Cyclone No. 2 Stack	PM	6.54	28.64
		PM ₁₀	2.17	9.49
		PM _{2.5}	1.64	7.17
		SO ₂	0.01	0.04
		NO _x	1.58	6.92
		CO	1.33	5.81
		VOC	0.09	0.38
UNL1	Truck Corn Receiving Fugitives	PM	0.31	0.25
		PM ₁₀	0.07	0.06
		PM _{2.5}	0.01	<0.01
CS1-CS18	Corn Storage Silos	PM	2.89	1.45
		PM ₁₀	0.73	0.36
		PM _{2.5}	0.13	0.06
CT1	Corn Transfer Line 1	PM	0.17	0.75
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.01	0.06
CT4	Corn Transfer Line 4	PM	0.10	0.45
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.01	0.04
C1A	Cooler 1 Cyclone Receiver 1	PM	1.76	7.70
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.20	0.86
C1B	Cooler 1 Cyclone Receiver 2	PM	1.30	5.71
		PM ₁₀	0.19	0.84
		PM _{2.5}	0.14	0.63

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RM1C	Remill Dual Cyclone Receivers	PM	1.56	6.84
		PM ₁₀	0.24	1.04
		PM _{2.5}	0.18	0.79
C2	Cooler 2 Cyclone Receiver	PM	1.10	4.84
		PM ₁₀	0.33	1.43
		PM _{2.5}	0.21	0.94
RM2	Remill 2 Cyclone Receiver	PM	0.33	1.43
		PM ₁₀	0.14	0.62
		PM _{2.5}	0.09	0.41
C3	Cooler 3 Cyclone Receiver	PM	0.64	2.78
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.12	0.54
RM3	Remiller 3 Cyclone Receiver	PM	0.42	1.83
		PM ₁₀	0.18	0.79
		PM _{2.5}	0.12	0.52
C4	Cooler 4 Cyclone Receiver	PM	1.76	7.70
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.17	0.74
RM4	Remiller 4 Cyclone Receiver	PM	1.56	6.84
		PM ₁₀	0.24	1.04
		PM _{2.5}	0.16	0.68
FS1-FS15	Flour Storage Silos	PM	0.04	0.19
		PM ₁₀	0.04	0.19
		PM _{2.5}	0.02	0.10

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LB1	Bulk Loadout Baghouse	PM	0.03	0.11
		PM ₁₀	0.03	0.11
		PM _{2.5}	0.01	0.06
FPB1	Flour Packaging Aspiration	PM	0.07	0.18
		PM ₁₀	0.04	0.10
		PM _{2.5}	<0.01	<0.01
LC1	Bulk Loadout Cyclone Receiver	PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	<0.01	0.02
D3	Dryer Cyclone No. 3 Stack	PM	1.56	6.82
		PM ₁₀	0.52	2.26
		PM _{2.5}	0.39	1.71
		SO ₂	0.01	0.04
		NO _x	1.58	6.92
		CO	1.33	5.81
		VOC	0.09	0.38
D4	Dryer Cyclone No. 4 Stack	PM	12.55	54.97
		PM ₁₀	4.4	19.29
		PM _{2.5}	2.88	12.63
		SO ₂	0.01	0.04
		NO _x	1.58	6.92
		CO	1.33	5.81
		VOC	0.09	0.38
LH-1	Lime Hopper	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01

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		PM _{2.5}	<0.01	<0.01
LH-2	Lime Delivery System	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01

- (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
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: August 4, 2022