Emission Sources - Maximum Allowable Emission Rates

Permit Number 149761

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)
WP1-HP	Wet Plant 1 Hoppers (5)	PM	0.21	0.93
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.02	0.09
WP2-HP	Wet Plant 2 Hoppers (5)	PM	0.49	2.15
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.05	0.20
WP1-SC	Wet Plant 1 Screen (5)	PM	0.60	2.61
		PM_{10}	0.20	0.86
		$PM_{2.5}$	0.03	0.13
WP2-SC	Wet Plant 2 Screen (5)	PM	1.31	5.75
		PM_{10}	0.46	2.00
		$PM_{2.5}$	0.07	0.30
S1-MH	Plant 1 Storage Material Handling (5)	PM	0.05	0.22
S1-SC	Plant 1 Rotary Screen (5)	PM	0.11	0.24
S2-MH	Plant 2 Storage Material Handling (5)	PM	0.12	0.49
S2-SC	Plant 2 Rotary Screens (5)	PM	0.22	0.43
D1-MH	Dryer 1 Material Handling (5)	PM	0.03	0.15
D2-MH	Dryer 2 Material Handling (5)	PM	0.03	0.15
D3-MH	Dryer 3 Material Handling(5)	PM	0.03	0.15
D4-MH	Dryer 4 Material Handling (5)	PM	0.05	0.22
D5-MH	Dryer 5 Material Handling (5)	PM	0.05	0.21

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D6-MH	Dryer 6 Material Handling (5)	PM	0.05	0.21
D7-MH	Dryer 7 Material Handling (5)	PM	0.05	0.22
501DR-SK01	Dryer #1 Baghouse Stack	PM	1.87	8.18
		PM_{10}	0.54	2.35
		$PM_{2.5}$	0.54	2.35
		VOC	0.39	1.70
		NO_x	7.06	30.92
		SO_2	0.04	0.19
		CO	5.93	25.97
501DR-SK01	Heater #1 (exhaust through baghouse stack)	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		NO_x	0.49	2.15
		SO_2	<0.01	0.01
		CO	0.41	1.80
502DR-SK01	Dryer #2 Baghouse Stack	PM	1.87	8.18
		PM_{10}	0.54	2.35
		$PM_{2.5}$	0.54	2.35
		VOC	0.39	1.70
		NO_x	7.06	30.92
		SO_2	0.04	0.19
		CO	5.93	25.97
502DR-SK01	Heater #2 (exhaust through baghouse stack)	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		NO_x	0.49	2.15

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		SO_2	<0.01	0.01
		CO	0.41	1.80
503DR-SK01	Dryer #3 Baghouse Stack	PM	1.87	8.18
		PM_{10}	0.54	2.35
		$PM_{2.5}$	0.54	2.35
		VOC	0.39	1.70
		NO_x	7.06	30.92
		SO_2	0.04	0.19
		CO	5.93	25.97
503DR-SK01	Heater #3 (exhaust through baghouse stack)	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		NO_x	0.49	2.15
		SO_2	<0.01	0.01
		CO	0.41	1.80
504DR-SK01	Dryer #4 Baghouse Stack	PM	2.34	10.23
		PM_{10}	0.54	2.35
		$PM_{2.5}$	0.54	2.35
		VOC	0.39	1.70
		NO_x	3.82	16.71
		SO_2	0.04	0.19
		CO	5.83	25.54
	Heater #4 (exhaust through baghouse stack)	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		NO_x	0.49	2.15
		SO_2	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		CO	0.41	1.80
505DR-SK01	Dryer #5 Baghouse Stack	PM	2.34	10.23
		PM_{10}	0.54	2.35
		$PM_{2.5}$	0.54	2.35
		VOC	0.39	1.70
		NO_x	3.82	16.71
		SO_2	0.04	0.19
		CO	5.83	25.54
505DR-SK01	Heater #5 (exhaust through baghouse stack)	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		NO_x	0.49	2.15
		SO_2	<0.01	0.01
		CO	0.41	1.80
506DR-SK01	Dryer #6 Baghouse Stack	PM	2.34	10.23
		PM_{10}	0.54	2.35
		$PM_{2.5}$	0.54	2.35
		VOC	0.39	1.70
		NO_x	3.82	16.71
		SO_2	0.04	0.19
		CO	5.83	25.54
506DR-SK01	Heater #6 (exhaust through baghouse stack)	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		NO_x	0.49	2.15

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	0.01
		CO	0.41	1.80
507DR-SK01	Dryer #7 Baghouse Stack	PM	2.34	10.23
		PM_{10}	0.54	2.35
		$PM_{2.5}$	0.54	2.35
		VOC	0.39	1.70
		NO_x	3.82	16.71
		SO_2	0.04	0.19
		CO	5.83	25.54
507DR-SK01	Heater #7 (exhaust through baghouse stack)	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		NO_x	0.49	2.15
		SO_2	<0.01	0.01
		CO	0.41	1.80
600SC-SK01	General Baghouse #1 Stack (Screening Processes and the Transfer points (Dry Plant))	PM	0.51	2.25
600SC-SK02	General Baghouse #2A Stack (Screening Processes and the Transfer points (Dry Plant))	PM	0.51	2.25
600SC-SK03	General Baghouse #2B Stack (Screening Processes and the Transfer points (Dry Plant)	PM	0.51	2.25
ST-BV	Screen Plant and Silotop Dust Collector Vents	PM	0.70	3.08
TL-FILT	Loadout Baghouses Stacks	PM	0.43	0.94
Silo-MH	Silo Material Handling (5)	PM	0.07	0.31

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OL-MH	Transfer to Overland Conveyor (5)	PM	0.93	4.07
Plant1-CON	Conveyor Fugitives Plant 1 (5)	PM	0.02	0.09
Plant2-CON	Conveyor Fugitives Plant 2 (5)	PM	0.04	0.15
STK	Stockpiles (5)	PM	--	10.84
		PM_{10}	--	3.97
		$PM_{2.5}$	--	0.60
Bunk/SR-MH	Transfer to Bunkers/Screener Reject Conveyor (5)	PM	0.05	0.20
WP1-MH	Wet Plant 1 Material Handling (5)	PM	0.68	2.99
		PM_{10}	0.21	0.93
		$PM_{2.5}$	0.06	0.26
WP2-MH	Wet Plant 2 Material Handling (5)	PM	1.53	6.71
		PM_{10}	0.49	2.14
		$PM_{2.5}$	0.14	0.60
CON	Shared Conveyor Fugitives (5)	PM	0.03	0.13

(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: October 5, 2022