Emission Sources - Maximum Allowable Emission Rates

Permit Number 106829

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)
4EP0701	16x30m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0703	16x30m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0706	40x70m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0708	40x70m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0711	20x40m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0713	20x40m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0716	30x50m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01

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4EP0718	30x50m Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0721	Swing Silo Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0723	Swing Silo Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0726	Swing Silo Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0728	Swing Silo Load Spout Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0309	Cartridge Filter Dryer Outlet Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0509	Cartridge Filter Dryer Outlet Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1309	Cartridge Filter Dryer Outlet Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1509	Cartridge Filter Dryer Outlet Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01

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4EP0308	Cartridge Filter Weigh Belt Feeder Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0312	Cartridge Filter Weigh Belt Feeder Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1308	Cartridge Filter Weigh Belt Feeder Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1312	Cartridge Filter Weigh Belt Feeder Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0301	Dryer Feed Bin Dust Collector Filter Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1300	Dryer Feed Bin Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0600	Elevator/Belt Dust Collector Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0605	Off-spec Interstice Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0012	Screen Dust Collector Filter Vent	PM	0.04	0.11
		PM_{10}	0.01	0.02
		$PM_{2.5}$	< 0.01	0.01

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4EP0024	Screen Dust Collector Filter Vent	PM	0.04	0.11
		PM_{10}	0.01	0.02
		$PM_{2.5}$	< 0.01	0.01
4EP0304	Screen Tower Dust Collector Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0504	Screen Tower Dust Collector Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1304	Screen Tower Dust Collector Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1504	Screen Tower Dust Collector Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0305	Screen/Belt Loading Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0505	Screen/Belt Loading Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1305	Screen/Belt Loading Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1505	Screen/Belt Loading Filter Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

4EP0004	Secondary Crusher Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0016	Secondary Crusher Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0303	Storage Bin Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1303	Storage Bin Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0601	Swing Silo Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0306	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0307	Transfer Point Dust Collector Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0310	Transfer Point Dust Collector Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0311	Transfer Point Dust Collector 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
4EP1306	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1307	Transfer Point Dust Collector Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1310	Transfer Point Dust Collector Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP1311	Transfer Point Dust Collector Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0602	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0603	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0604	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0001	Transfer Point Dust Collector Vent	PM	0.01	0.02
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0002	Transfer Point Dust Collector Vent	PM	< 0.01	0.02
		PM_{10}	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	< 0.01	< 0.01
4EP0008	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0010	Transfer Point Dust Collector Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0011	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0013	Transfer Point Dust Collector Vent	PM	0.01	0.02
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0014	Transfer Point Dust Collector Vent	PM	< 0.01	0.02
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0020	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0022	Transfer Point Dust Collector Vent	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0023	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0027	Transfer Point Dust Collector Vent	PM	< 0.01	0.01
		PM_{10}	< 0.01	< 0.01

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		$PM_{2.5}$	< 0.01	< 0.01
4EP0025	Wet Plant Feed Bin Dust Collector Vent	PM	0.01	0.04
		PM_{10}	< 0.01	0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0026	Wet Plant Feed Bin Dust Collector Vent	PM	0.01	0.02
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
4EP0302	Dryer 1 Fabric Filter Baghouse Stack	PM	0.47	1.48
		PM_{10}	0.27	0.85
		$PM_{2.5}$	0.24	0.74
		NO_X	0.48	1.51
		CO	3.09	9.65
		SO_2	0.48	1.50
		VOC	0.32	1.00
4EP0502	Dryer 2 Fabric Filter Baghouse Stack	PM	0.47	1.48
		PM_{10}	0.27	0.85
		$PM_{2.5}$	0.24	0.74
		NO_X	0.48	1.51
		CO	3.09	9.65
		SO_2	0.48	1.50
		VOC	0.32	1.00
4EP1302	Dryer 3 Fabric Filter Baghouse Stack	PM	0.47	1.48
		PM_{10}	0.27	0.85
		$PM_{2.5}$	0.24	0.74
		NO_X	0.48	1.51
		CO	3.09	9.65
		SO_2	0.48	1.50

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.32	1.00
4EP1502	Dryer 4 Fabric Filter Baghouse Stack	PM	0.47	1.48
		PM_{10}	0.27	0.85
		$PM_{2.5}$	0.24	0.74
		NO_X	0.48	1.51
		CO	3.09	9.65
		SO_2	0.48	1.50
		VOC	0.32	1.00
Plant Fugitives (7)	175 material transfer points, Unloading Hoppers 1 & 2, 2 grizzly feeders, 6 vibrating screens, 16 gyratory screens, 8 crushers, and 12 final product load-out spouts.	PM	3.13	9.36
		PM_{10}	0.88	2.64
		$PM_{2.5}$	0.19	0.55
7EP0101 & 7EP1101	Metal Reject Piles [2 Piles] (6)	PM	-.--	0.01
		PM_{10}	-.--	< 0.01
		$PM_{2.5}$	-.--	< 0.01
7EP0102	Wet Plant Stockpile (6)	PM	-.--	1.24
		PM_{10}	-.--	0.62
		$PM_{2.5}$	-.--	0.09
7EP0301	Dry Plant Stockpile (6)	PM	-.--	0.74
		PM_{10}	-.--	0.15
		$PM_{2.5}$	-.--	0.04
8EP0303	Vaporizer Stack	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		NO_X	0.15	0.48
		CO	0.09	0.28
		SO_2	0.02	0.06
		VOC	0.01	0.04
8EP1303	Vaporizer Stack	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
		NO_X	0.15	0.48
		CO	0.09	0.28
		SO_2	0.02	0.06
		VOC	0.01	0.04
8EPFUG	Propane Equipment Fugitives (6)	VOC	1.01	3.14

(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
(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.
(7) Since water saturated material is not considered to have quantifiable emissions, the material handling and processing of water saturated material was not included in the MAERT.

Date: November 20, 2014