Emission Sources - Maximum Allowable Emission Rates

Special Permit Number 9766

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)
FUG-7	Barge Receiving (5)	PM	0.44	0.92
		PM_{10}	0.11	0.20
		$PM_{2.5}$	0.03	0.03
FUG-1	Headhouse (5)	PM	1.83	1.60
		PM_{10}	1.02	0.89
		$PM_{2.5}$	0.17	0.15
1	Truck Receiving Pit No. 3 and Drag Conveyors Dust Collector Stack (DC-3)	PM	0.12	0.53
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.02	0.07
2	Barge Elevator, Belt Transfer, and Scale Dust Collector Stack (DC-4)	PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	<0.01	0.02
1A	Cleaning Bldg Cimbrias Dust Collector Stack (DC-8)	PM	0.20	0.86
		PM_{10}	0.20	0.86
		$PM_{2.5}$	0.02	0.11
3C	Truck Receiving Pit Nos. 1 & 2 Dust Collector Stack (DC-1)	PM	0.20	0.86
		PM_{10}	0.20	0.86
		$PM_{2.5}$	0.02	0.11
5E	Cleaning Bldg 4th Floor, Green Rice Dryer, Destoners and Scalperators Dust Collector Stack (DC-5)	PM	0.21	0.94
		PM_{10}	0.21	0.94
		$PM_{2.5}$	0.03	0.12
6F	Cleaning Bldg 8-10th Floor Dust Collector Stack (DC-9)	PM	0.06	0.24
		PM_{10}	0.06	0.24
		$PM_{2.5}$	<0.01	0.03

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35	White Cleaning, Drum Cleaners, Conveyors, and Hoppers Dust Collector Stack (DC-7)	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.02	0.09
36	Parboil Cleaning, Combi-Cleaners, Drum Separators, and Hoppers Dust Collector Stack (DC-6)	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.02	0.09
19N	By-product Hammer Mill, Truck Loadout, and Rail Loadout Dust Collector Stack (D-2)	PM	0.23	1.01
		PM_{10}	0.23	1.01
		$PM_{2.5}$	0.03	0.13
20O	By-product Hammer Mill Dust Collector Stack (D-1)	PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.02	0.08
22P	Parboil Mill Shellers, Paddy Tables, and Forsbergs Dust Collector Stack (C-7)	PM	0.13	0.58
		PM_{10}	0.13	0.58
		$PM_{2.5}$	0.02	0.07
24W	Parboil Mill VTA PBM, BEs, and VTAs 2nd Dust Collector Stack (C-5)	PM	0.30	1.33
		PM_{10}	0.30	1.33
		$PM_{2.5}$	0.04	0.17
27Z	Parboil Mill Rice Aspirator, KB-40, BEs, and Shellers Dust Collector Stack (C-8)	PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.02	0.08
37	Parboil Mill KB-40s, VBFs, and Surge Hoppers 3rd and 4th Floor Dust Collector Stack (C-6)	PM	0.15	0.64
		PM_{10}	0.15	0.64
		$PM_{2.5}$	0.02	0.08
38	White Mill Forsberg 1st Floor Dust Collector Stack (C-1)	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.02	0.09
21S	White Mill KB-40s VBFs Dust Collector Stack (C-3)	PM	0.30	1.33
		PM_{10}	0.30	1.33

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		$PM_{2.5}$	0.04	0.17
23Q	White Mill BEs, Tunnel, PBM Shellers, and General Aspiration Dust Collector Stack (C-4)	PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.01	0.06
26Y	White Mill VTAs Dust Collector Stack (C-2)	PM	0.20	0.86
		PM_{10}	0.20	0.86
		$PM_{2.5}$	0.02	0.11
39	Cleaning Plant 1st Floor BE, Tunnel Conveyors, and Combi-Cleaners Dust Collector Stack (DC-2)	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.02	0.09
40	By-product Pneumatic Dust and Hull Transfer Dust Collector Stack (D-3)	PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	<0.01	0.02
7	350-HP Boiler Stack (14.29 MMBtu/hr)	PM	0.11	0.36
		PM_{10}	0.11	0.36
		$PM_{2.5}$	0.11	0.36
		NO_x	0.66	2.24
		CO	0.01	0.04
		SO_2	<0.01	0.03
		VOC	0.08	0.26
9	350-HP Boiler Stack (14.29 MMBtu/hr)	PM	0.11	0.36
		PM_{10}	0.11	0.36
		$PM_{2.5}$	0.11	0.36
		NO_x	0.43	1.44
		CO	0.18	0.59
		SO_2	<0.01	0.03
		VOC	0.08	0.26
B-1	600-HP Boiler Stack (20.7 MMBtu/hr)	PM	0.15	0.52
		PM_{10}	0.15	0.52

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		$PM_{2.5}$	0.15	0.52
		NO_x	0.75	2.52
		CO	1.70	5.75
		SO_2	0.01	0.04
		VOC	0.11	0.38
11	Dryer No. 1 Cyclone Stack (12 MMBtu/hr)	PM	0.09	0.31
		PM_{10}	0.09	0.31
		$PM_{2.5}$	0.09	0.31
		NO_x	1.18	3.97
		CO	0.99	3.34
		SO_2	<0.01	0.02
		VOC	0.06	0.22
12	Dryer No. 2 Cyclone Stack (12 MMBtu/hr)	PM	0.09	0.31
		PM_{10}	0.09	0.31
		$PM_{2.5}$	0.09	0.31
		NO_x	1.18	3.97
		CO	0.99	3.34
		SO_2	<0.01	0.02
		VOC	0.06	0.22
13	Dryer No. 3 Cyclone Stack (6 MMBtu/hr)	PM	0.05	0.17
		PM_{10}	0.05	0.17
		$PM_{2.5}$	0.05	0.17
		NO_x	0.59	1.99
		CO	0.49	1.67
		SO_2	<0.01	0.01
		VOC	0.03	0.11
14	Dryer No. 4 Cyclone Stack (6 MMBtu/hr)	PM	0.05	0.16
		PM_{10}	0.05	0.16
		$PM_{2.5}$	0.05	0.16

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		NO_x	0.59	1.99
		CO	0.49	1.67
		SO_2	<0.01	0.01
		VOC	0.03	0.11
15	Dryer No. 5 Cyclone Stack (4 MMBtu/hr)	PM	0.03	0.11
		PM_{10}	0.03	0.11
		$PM_{2.5}$	0.03	0.11
		NO_x	0.39	1.32
		CO	0.33	1.11
		SO_2	<0.01	<0.01
		VOC	0.02	0.07
16	Dryer No. 6 Cyclone Stack (4 MMBtu/hr)	PM	0.07	0.27
		PM_{10}	0.07	0.27
		$PM_{2.5}$	0.07	0.27
		NO_x	0.39	1.32
		CO	0.33	1.11
		SO_2	<0.01	<0.01
		VOC	0.02	0.07
DR-GR	Green Rice Dryer Stack (6 MMBtu/hr)	PM	0.04	0.15
		PM_{10}	0.04	0.15
		$PM_{2.5}$	0.04	0.15
		NO_x	0.59	1.99
		CO	0.49	1.67
		SO_2	<0.01	0.01
		VOC	0.03	0.11
FUG-8	Truck Loadout (5)	PM	0.86	0.07
		PM_{10}	0.29	0.02
		$PM_{2.5}$	0.05	<0.01
FUG-9	Railcar Loadout (5)	PM	0.27	0.03

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		PM_{10}	0.02	<0.01
		$PM_{2.5}$	<0.01	<0.01
FUG-13	Ship Loadout (5)	PM	1.03	0.17
		PM_{10}	0.26	0.04
		$PM_{2.5}$	0.05	<0.01
INK	Ink Printing (5)	VOC	0.20	0.04
SOLV	Solvent Usage (5)	VOC	1.00	0.18

(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: February 6, 2018