Emission Sources - Maximum Allowable Emission Rates

Permit Number 8955

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)
F1	Seed Cleaning – Filter 1 Stack	PM	2.57	11.26
		PM_{10}	2.57	11.26
		$PM_{2.5}$	2.57	11.26
F2	Seed Cleaning – Filter 2 Stack	PM	3.21	14.08
		PM_{10}	3.21	14.08
		$PM_{2.5}$	3.21	14.08
F3	Seed Cleaning – Filter 3 Stack	PM	3.21	14.08
		PM_{10}	3.21	14.08
		$PM_{2.5}$	3.21	14.08
F4	Seed Cleaning – Filter 4 Stack	PM	1.20	5.26
		PM_{10}	1.20	5.26
		$PM_{2.5}$	1.20	5.26
F5	Delinting – Filter 5 Stack	PM	3.20	14.02
		PM_{10}	3.20	14.02
		$PM_{2.5}$	3.20	14.02
F6	Delinting – Filter 6 Stack	PM	2.96	12.97
		PM_{10}	2.96	12.97
		$PM_{2.5}$	2.96	12.97
F7	Delinting – Filter 7 Stack	PM	2.31	10.10
		PM_{10}	2.31	10.10
		$PM_{2.5}$	2.31	10.10

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F8	Delinting – Filter 8 Stack	PM	2.71	11.86
		PM_{10}	2.71	11.86
		$PM_{2.5}$	2.71	11.86
F9	Bale Press Area- Filter 9 Stack	PM	1.71	7.51
		PM_{10}	1.71	7.51
		$PM_{2.5}$	1.71	7.51
F10	Bale Press Area – Filter 10 Stack	PM	1.71	7.51
		PM_{10}	1.71	7.51
		$PM_{2.5}$	1.71	7.51
F11	Meal Grinding and Secondary Loadout Area – Filter 11 Stack	PM	0.86	3.75
		PM_{10}	0.86	3.75
		$PM_{2.5}$	0.86	3.75
F12	Meal Grinding and Secondary Loadout Area – Filter 12 Stack	PM	0.86	3.75
		PM_{10}	0.86	3.75
		$PM_{2.5}$	0.86	3.75
F13	Hull Loadout – Filter 13 Stack	PM	0.86	3.75
		PM_{10}	0.86	3.75
		$PM_{2.5}$	0.86	3.75
T1	Gray Seed – Tank 1 Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
T2	Gray Seed – Tank 2 Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
T3	Gray Seed – Tank 3 Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01

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		$PM_{2.5}$	<0.01	0.01
T4	Clean Seed – Tank 4 Vent	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
T5	Clean Seed – Tank 5 Vent	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
T6	Black Seed – Tank 6 Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
T7	Black Seed – Tank 7 Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
T8	Black Seed – Tank 8 Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
T9	Black Seed – Tank 9 Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
BB04	RBD Boiler Stack	PM	0.18	0.80
		PM_{10}	0.18	0.80
		$PM_{2.5}$	0.18	0.80
BB04	RBD Boiler Stack	SO2	0.01	0.06
		NOx	0.86	3.75
		CO	0.88	3.86
		VOC	0.10	0.43

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HR01	Huller Room Drum Filter 1 Stack (East Side)	PM	1.89	8.28
		PM_{10}	1.89	8.28
		$PM_{2.5}$	1.89	8.28
HR02	Huller Room Drum Filter 2 Stack (West Side)	PM	1.50	6.57
		PM_{10}	1.50	6.57
		$PM_{2.5}$	1.50	6.57
HR03	Huller Room Baghouse Filter 1 Stack (East Side)	PM	1.71	7.49
		PM_{10}	1.71	7.49
		$PM_{2.5}$	1.71	7.49
ML01	Primary Meal Loadout Baghouse Stack	PM	1.93	3.01
		PM_{10}	1.93	3.01
		$PM_{2.5}$	1.93	3.01
BB03	Bleach Plant High Pressure Boiler Stack	PM	0.07	0.29
		PM_{10}	0.07	0.29
		$PM_{2.5}$	0.07	0.29
		SO_2	0.01	0.02
		NO_x	0.89	3.90
		CO	0.80	3.48
		VOC	0.05	0.21
CW01	Rail Car Wash Boiler Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.16	0.72
		CO	0.14	0.61

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		VOC	0.01	0.04
FB-05	Cleaver-Brooks Boiler Stack	PM	0.56	2.45
		PM_{10}	0.56	2.45
		$PM_{2.5}$	0.56	2.45
		SO_2	0.04	0.19
		NO_x	4.41	19.33
		CO	6.18	27.06
FB-05	Cleaver-Brooks Boiler Stack	VOC	0.40	1.77
SV01	Mineral Oil Scrubber Vent	Hexane	48.62	212.95
SV02	Extractor Vent	Hexane	6.33	27.71
SV09	Meal Dryer Collector 5 Cyclone Stack	PM	1.39	5.49
		PM_{10}	1.39	5.49
		$PM_{2.5}$	1.39	5.49
		Hexane	6.22	27.23
SV010	Meal Dryer Collector 6 Cyclone Stack	PM	1.39	5.49
		PM_{10}	1.39	5.49
		$PM_{2.5}$	1.39	5.49
SV010	Meal Dryer Collector 6 Cyclone Stack	Hexane	6.22	27.23
SV011	Meal Dryer Collector 7 Cyclone Stack	PM	1.39	5.49
		PM_{10}	1.39	5.49
		$PM_{2.5}$	1.39	5.49
		Hexane	6.22	27.22
SV07	Conveyor to Meal Dryer Vent	Hexane	4.66	20.42
SV08	Hexane Losses to Fugitives (6)	Hexane	49.95	218.78
LO04	Primary Bulk Meal Loadout (6)	PM	0.09	0.09

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.03	0.03
		$PM_{2.5}$	0.01	0.01
RE01	Dump 1 Receiving (6)	PM	10.80	10.13
		PM_{10}	3.54	3.32
		$PM_{2.5}$	0.60	0.56
RE03	Dump 3 Receiving (6)	PM	10.80	10.13
		PM_{10}	3.54	3.32
		$PM_{2.5}$	0.60	0.56
RE04	Dump 4 Receiving (6)	PM	10.80	4.05
		PM_{10}	3.54	1.33
		$PM_{2.5}$	0.60	0.23
RE05	Dump 5 Receiving (6)	PM	10.80	4.05
		PM_{10}	3.54	1.33
		$PM_{2.5}$	0.60	0.23
RE06	Dump 6 Receiving (6)	PM	10.80	4.05
		PM_{10}	3.54	1.33
		$PM_{2.5}$	0.60	0.23
RE08	Cleaning Room Dump (6)	PM	10.80	12.15
		PM_{10}	3.54	3.98
		$PM_{2.5}$	0.60	0.68
RE09	Dump 7 Receiving (6)	PM	10.80	4.05
		PM_{10}	3.54	1.33
		$PM_{2.5}$	0.60	0.23
SP01	Open Pile 3 East (6)	PM	21.60	4.74
		PM_{10}	7.08	1.55

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	1.20	0.26
SP02	Open Pile 3 West (6)	PM	21.60	3.65
		PM_{10}	7.08	1.19
		$PM_{2.5}$	1.20	0.20
SP03	Open Pile 5 East (6)	PM	21.60	4.53
		PM_{10}	7.08	1.48
		$PM_{2.5}$	1.20	0.25
SP04	Open Pile 5 West (6)	PM	21.60	3.54
		PM_{10}	7.08	1.16
		$PM_{2.5}$	1.20	0.20
SP10	Open Pile 4 West (6)	PM	21.60	4.51
		PM_{10}	7.08	1.48
		$PM_{2.5}$	1.20	0.25
SP11	Open Pile 4 East (6)	PM	21.60	4.98
		PM_{10}	7.08	1.63
		$PM_{2.5}$	1.20	0.28
SH01	Seed House 1 (6)	PM	0.67	0.04
		PM_{10}	0.37	0.02
		$PM_{2.5}$	0.06	<0.01
SH02	Seed House 2 (6)	PM	0.67	0.05
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	0.01
SH03	Seed House 3 (6)	PM	0.67	0.04
		PM_{10}	0.37	0.02
		$PM_{2.5}$	0.06	<0.01
SH04	Seed House 4 (6)	PM	0.67	0.04

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.37	0.02
		$PM_{2.5}$	0.06	<0.01
SHo5	Hull Loading House (6)	PM	0.12	0.49
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.01	0.05
SH07	Seed House 7 (6)	PM	0.67	0.04
		PM_{10}	0.37	0.02
		$PM_{2.5}$	0.06	<0.01
SH08	Seed House 8 (6)	PM	0.67	0.04
		PM_{10}	0.37	0.02
		$PM_{2.5}$	0.06	<0.01
SH09	Excess Hull Storage (6)	PM	0.12	0.01
		PM_{10}	0.06	0.01
		$PM_{2.5}$	0.01	<0.01
SH10	Excess Meal Storage (6)	PM	0.17	0.05
		PM_{10}	0.10	0.03
		$PM_{2.5}$	0.01	0.01
SH11	Seed House 11 (6)	PM	0.67	0.05
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	0.01
SH12	Seed House 12 (6)	PM	0.67	0.05
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	0.01
SH13	Seed House 13 (6)	PM	0.67	0.05
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	0.01

Emission Sources - Maximum Allowable Emission Rates

SH14	Seed House 14 (6)	PM	0.67	0.05
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	0.01
SH15	Seed House 15 (6)	PM	0.67	0.05
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	0.01
HF01N	Seed House 1 Cooling Fan N (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF01S	Seed House 1 Cooling Fan S (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF02W	Seed House 2 Cooling Fan W (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF02E	Seed House 2 Cooling Fan E (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF03W	Seed House 3 Cooling Fan W (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF03E	Seed House 3 Cooling Fan E (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF04W	Seed House 4 Cooling Fan W (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.06	0.11
HF04E	Seed House 4 Cooling Fan E (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF07W	Seed House 7 Cooling Fan W (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF07E	Seed House 7 Cooling Fan E (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF08W	Seed House 8 Cooling Fan W (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF08E	Seed House 8 Cooling Fan E (6)	PM	0.06	0.11
		PM_{10}	0.06	0.11
		$PM_{2.5}$	0.06	0.11
HF11N	Seed House 11 Cooling Fan N (6)	PM	0.10	0.18
		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
HF11S	Seed House 11 Cooling Fan S (6)	PM	0.10	0.18
		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
HF12N	Seed House 12 Cooling Fan N (6)	PM	0.10	0.18
		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
HF12S	Seed House 12 Cooling	PM	0.10	0.18

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
HF13	Seed House 13 Cooling Fan (6)	PM	0.25	0.46
		PM_{10}	0.25	0.46
		$PM_{2.5}$	0.25	0.46
HF14N	Seed House 14 Cooling Fan N (6)	PM	0.10	0.18
		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
HF14S	Seed House 14 Cooling Fan S (6)	PM	0.10	0.18
		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
HF15N	Seed House 15 Cooling Fan N (6)	PM	0.10	0.18
		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
HF15S	Seed House 15 Cooling Fan S (6)	PM	0.10	0.18
		PM_{10}	0.10	0.18
		$PM_{2.5}$	0.10	0.18
P3W	Pile 3 West (6)	PM	1.11	2.03
		PM_{10}	1.11	2.03
		$PM_{2.5}$	1.11	2.03
P3E	Pile 3 East (6)	PM	1.11	2.03
		PM_{10}	1.11	2.03
		$PM_{2.5}$	1.11	2.03
P4W	Pile 4 West (6)	PM	1.11	2.03
		PM_{10}	1.11	2.03
		$PM_{2.5}$	1.11	2.03

Emission Sources - Maximum Allowable Emission Rates

P4E	Pile 4 East (6)	PM	1.11	2.03
		PM_{10}	1.11	2.03
		$PM_{2.5}$	1.11	2.03
P5W	Pile 5 West (6)	PM	1.11	2.03
		PM_{10}	1.11	2.03
		$PM_{2.5}$	1.11	2.03
P5E	Pile 5 East (6)	PM	1.11	2.03
		PM_{10}	1.11	2.03
		$PM_{2.5}$	1.11	2.03

(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.

Date: July 22, 2016