Emission Sources - Maximum Allowable Emission Rates

Permit Number 870

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)
1A	Offloading Pit No. 1 (6)	PM	1.53	0.61
		PM_{10}	0.23	0.09
		$PM_{2.5}$	0.23	0.09
1B	Offloading Pit No. 2 (6)	PM	1.53	0.61
		PM_{10}	0.23	0.09
		$PM_{2.5}$	0.23	0.09
1C	Offloading Pit No. 3 (6)	PM	1.53	0.61
		PM_{10}	0.23	0.09
		$PM_{2.5}$	0.23	0.09
1D	Offloading Tunnel Elevator No. 4 (6)	PM	1.53	0.61
		PM_{10}	0.23	0.09
		$PM_{2.5}$	0.23	0.09
	Total Seed Offloading (6)	PM	--	0.61
		PM_{10}	--	0.09
		$PM_{2.5}$	--	0.09
BIN-65	Bulk Bin Dryer No. 65 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	<0.01
BIN-66	Bulk Bin Dryer No. 66 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
BIN-67	Bulk Bin Dryer No. 67 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
BIN-68	Bulk Bin Dryer No. 68 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
BIN-69	Bulk Bin Dryer No. 69 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
BIN-70	Bulk Bin Dryer No. 70 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
BIN-71	Bulk Bin Dryer No. 71 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
BIN-72	Bulk Bin Dryer No. 72 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	<0.01
BIN-73	Bulk Bin Dryer No. 73 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
BIN-74	Bulk Bin Dryer No. 74 Receiving, Drying, and Loadout (6)	PM	0.70	1.41
		PM_{10}	0.24	0.44
		$PM_{2.5}$	0.05	0.12
		VOC	0.01	0.01
		NO_X	0.12	0.20
		CO	0.10	0.17
		SO_2	<0.01	<0.01
	Total Annual Bulk Bin Receiving, Drying, and Loadout Operations (6)	PM	--	1.41
		PM_{10}	--	0.44
		$PM_{2.5}$	--	0.12
		VOC	--	0.01
		NO_X	--	0.20
		CO	--	0.17
		SO_2	--	<0.01
CYC-1	North Scalper Cyclone Stack	PM	1.54	1.54
		PM_{10}	1.54	1.54

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	1.54	1.54
CYC-2	Middle Scalper Cyclone Stack	PM	1.54	1.08
		PM_{10}	1.54	1.08
		$PM_{2.5}$	1.54	1.08
CYC-3	South Scalper Cyclone Stack	PM	1.54	1.54
		PM_{10}	1.54	1.54
		$PM_{2.5}$	1.54	1.54
DRY-4	North Dryer Stack	PM	2.51	0.45
		PM_{10}	0.66	0.12
		$PM_{2.5}$	0.66	0.12
		VOC	0.03	0.01
		NO_X	0.59	0.11
		CO	0.49	0.09
		SO_2	<0.01	<0.01
DRY-5	Middle Dryer Stack	PM	1.12	0.23
		PM_{10}	0.29	0.06
		$PM_{2.5}$	0.29	0.06
		VOC	0.01	<0.01
		NO_X	0.20	0.04
		CO	0.17	0.03
		SO_2	<0.01	<0.01
DRY-6	South Dryer Stack	PM	2.51	0.45
		PM_{10}	0.66	0.12
		$PM_{2.5}$	0.66	0.12
		VOC	0.03	0.01
		NO_X	0.59	0.11

Emission Sources - Maximum Allowable Emission Rates

		CO	0.49	0.09
		SO_2	<0.01	<0.01
BAG-WF	Tunnel White Dust System (N Flat Storage Building Tunnel Belt Aspiration and S Flat Storage Building Tunnel Belt Aspiration) Baghouse Stack	PM	0.31	0.31
		PM_{10}	0.31	0.31
		$PM_{2.5}$	0.31	0.31
BAG-WD	Cleaner/Gravity Table No. 1/Color Sorters Baghouse Stack	PM	3.55	7.10
		PM_{10}	3.55	7.10
		$PM_{2.5}$	3.55	7.10
BAG-RD	Aspirator/Treater/Bagger Baghouse Stack	PM	18.57	2.77
		PM_{10}	18.57	2.77
		$PM_{2.5}$	18.57	2.77
BAG-RB	Re-Bagger Baghouse Stack	PM	0.34	0.68
		PM_{10}	0.34	0.68
		$PM_{2.5}$	0.34	0.68
DRY-F1	Peanut Wagon Dryer No. 1 Vent (Foundation Area)	PM	1.09	0.55
		PM_{10}	0.28	0.15
		$PM_{2.5}$	0.28	0.15
		VOC	<0.01	<0.01
		NO_X	0.10	0.05
		CO	0.08	0.04
		SO_2	<0.01	<0.01
DRY-F2	Peanut Wagon Dryer No. 2 Vent (Foundation Area)	PM	1.09	0.55
		PM_{10}	0.28	0.15
		$PM_{2.5}$	0.28	0.15

Emission Sources - Maximum Allowable Emission Rates

		VOC	<0.01	<0.01
		NO_X	0.10	0.05
		CO	0.08	0.04
		SO_2	<0.01	<0.01
DRY-F3	Peanut Wagon Dryer No. 3 Vent (Foundation Area)	PM	1.09	0.55
		PM_{10}	0.28	0.15
		$PM_{2.5}$	0.28	0.15
		VOC	<0.01	<0.01
		NO_X	0.10	0.05
		CO	0.08	0.04
		SO_2	<0.01	<0.01
DRY-F4	Peanut Wagon Dryer No. 4 Vent (Foundation Area)	PM	1.09	0.55
		PM_{10}	0.28	0.15
		$PM_{2.5}$	0.28	0.15
		VOC	<0.01	<0.01
		NO_X	0.10	0.05
		CO	0.08	0.04
		SO_2	<0.01	<0.01
DRY-F5	Caldwell Dryer Vent (Foundation Area)	PM	1.09	0.55
		PM_{10}	0.28	0.15
		$PM_{2.5}$	0.28	0.15
		VOC	<0.01	<0.01
		NO_X	0.10	0.05
		CO	0.08	0.04
		SO_2	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

FUG-S1	Small Lots Receiving w/ three (3) Bins numbers 87-89 (6)	PM	0.88	0.47
		PM_{10}	0.27	0.14
		$PM_{2.5}$	0.05	0.03
FUG-SL	Small Lots GS48 Building Fugitives Dust Collector Exterior Stack	PM	1.08	0.59
		PM_{10}	0.38	0.02
		$PM_{2.5}$	0.07	0.04
DC-WD	Small Lots GS48 (White Dust) Cleaner/Gravity Table/Color Sorter Dust Collector Exterior Stack	PM	0.10	0.06
		PM_{10}	0.06	0.03
		$PM_{2.5}$	0.01	0.01
DC-RD	Small Lots GS24 (Red Dust) Aspirator/Treater/Bagger Dust Collector Stack	PM	0.10	0.06
		PM_{10}	0.06	0.03
		$PM_{2.5}$	0.01	0.01
BLDG-1	N Flat Storage Building Receiving (6)	PM	5.88	0.11
		PM_{10}	1.31	0.02
		$PM_{2.5}$	1.31	0.02
BLDG-2	S Flat Storage Building Receiving (6)	PM	5.88	0.11
		PM_{10}	1.31	0.02
		$PM_{2.5}$	1.31	0.02
REC-1	Portable Conveyor 1 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-2	Portable Conveyor 2 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.07	0.03
REC-3	Portable Conveyor 3 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-4	Portable Conveyor 4 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-5	Portable Conveyor 5 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-5	Portable Conveyor 5 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-6	Portable Conveyor 6 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-7	Portable Conveyor 7 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-8	Portable Conveyor 8 – Seed Bins No. 1-26, 39-62, 65-84 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-9	Portable Conveyor 9 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.07	0.03
REC-10	Portable Conveyor 10 – Seed Bins No. 1-26, 39-62, 65-84 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-11	Portable Conveyor 11 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-12	Portable Conveyor 12 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-13	Portable Conveyor 13 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-14	Portable Conveyor 14 – Seed Bins No. 1-26, 39-62, 65-84 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-15	Portable Conveyor 15 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-16	Portable Conveyor 16 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving (6)	PM	2.86	1.34
		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
REC-17	Portable Conveyor 17 – Seed Bins No. 1-26, 39-62, 65-84, 101-156 Receiving	PM	2.86	1.34

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.42	0.20
		$PM_{2.5}$	0.07	0.03
	Total Annual Portable Conveyors (1-17) Seed Bin Receiving Operations (6)	PM	--	1.34
		PM_{10}	--	0.20
		$PM_{2.5}$	--	0.03
LO-1	Portable Conveyor 1 - Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-2	Portable Conveyor 2 - Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-3	Portable Conveyor 3 - Seed Bins No. 1-26, 39-62, 65-84 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-4	Portable Conveyor 4 - Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-5	Portable Conveyor 5 - Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-6	Portable Conveyor 6 - Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-7	Portable Conveyor 7 - Seed Bins No. 1-26, 39-62, 65-	PM	7.22	6.76

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-8	Portable Conveyor 8 - Seed Bins No. 1-26, 39-62, 65-84 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-9	Portable Conveyor 9 - Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
LO-10	Portable Conveyor 10 - Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout (6)	PM	7.22	6.76
		PM_{10}	2.44	2.28
		$PM_{2.5}$	0.41	0.39
	Total Annual Portable Conveyors (1-10) Seed Bins No. 1-26, 39-62, 65-84, 101-156 Loadout Operations (6)	PM	--	6.76
		PM_{10}	--	2.28
		$PM_{2.5}$	--	0.39
FUG-F1	Foundation Line Receiving (6)	PM	0.33	0.06
		PM_{10}	0.10	0.01
		$PM_{2.5}$	0.02	<0.01
FUG-FL	Foundation Line DFT2 Building Fugitives Baghouse Stack	PM	0.40	0.08
		PM_{10}	0.14	0.02
		$PM_{2.5}$	0.03	<0.01
DC-FWD	Foundation Line DFT2 (White Dust) Cleaner and Color Sorter Exterior Baghouse Stack	PM	0.04	0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	<0.01	<0.01
DC-FRD	Foundation Line (Red Dust) Treater and Bagger	PM	0.04	0.01

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.02	<0.01
		$PM_{2.5}$	<0.01	<0.01
REC-18	Portable Conveyor 18 – Seed Bins No. 87-89 Receiving (6)	PM	0.03	0.02
		PM_{10}	0.02	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
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.

Dated: March 10, 2020