

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. 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 *	
			lb/hr	TPY
1A	Seed Offloading Pit No. 1	PM PM ₁₀	1.53 0.23	
1B	Seed Offloading Pit No. 2	PM PM ₁₀	1.53 0.23	
1A and 1B	Seed Offloading Pit Nos. 1 and 2	PM PM ₁₀		0.61 0.09
BIN-65	Bulk Bin Dryer No. 65	PM PM ₁₀ VOC NO _x CO SO ₂	0.63 0.16	
BIN-66	Bulk Bin Dryer No. 66	PM PM ₁₀ VOC NO _x CO SO ₂	0.63 0.16	
BIN-67	Bulk Bin Dryer No. 67	PM PM ₁₀ VOC NO _x CO SO ₂	0.63 0.16	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
BIN-68	Bulk Bin Dryer No. 68	PM	0.63	
		PM ₁₀	0.16	
		VOC	<0.01	
		NO _x	0.06	
		CO	0.05	
		SO ₂	<0.01	
BIN-69	Bulk Bin Dryer No. 69	PM	0.63	
		PM ₁₀	0.16	
		VOC	<0.01	
		NO _x	0.06	
		CO	0.05	
		SO ₂	<0.01	
BIN-70	Bulk Bin Dryer No. 70	PM	0.63	
		PM ₁₀	0.16	
		VOC	<0.01	
		NO _x	0.06	
		CO	0.05	
		SO ₂	<0.01	
BIN-71	Bulk Bin Dryer No. 71	PM	0.63	
		PM ₁₀	0.16	
		VOC	<0.01	
		NO _x	0.06	
		CO	0.05	
		SO ₂	<0.01	
BIN-72	Bulk Bin Dryer No. 72	PM	0.63	
		PM ₁₀	0.16	
		VOC	<0.01	
		NO _x	0.06	
		CO	0.05	
		SO ₂	<0.01	
BIN-73	Bulk Bin Dryer No. 73	PM	0.63	

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			lb/hr	TPY
		PM ₁₀	0.16	
		VOC	<0.01	
		NO _x	0.06	
		CO	0.05	
		SO ₂	<0.01	
BIN-74	Bulk Bin Dryer No. 74	PM	0.63	
		PM ₁₀	0.16	
		VOC	<0.01	
		NO _x	0.06	
		CO	0.05	
		SO ₂	<0.01	
	Total Bulk Bin Drying Operations	PM		0.63
		PM ₁₀		0.17
		VOC	<0.01	
		NO _x	0.08	
		CO	0.06	
		SO ₂	<0.01	
CYC-1	North Scalper Cyclone	PM ₁₀	1.54	0.47
CYC-2	Middle Scalper Cyclone	PM ₁₀	1.54	0.31
CYC-3	South Scalper Cyclone	PM ₁₀	1.54	0.61
CYC-4	Cyclone Separator	PM ₁₀	0.31	0.23
DRY-4	North Dryer (6.0 MMBtu/hr)	PM	2.51	1.45
		PM ₁₀	0.67	0.39
		VOC	0.03	0.02
		NO _x	0.60	0.35
		CO	0.50	0.29
		SO ₂	<0.01	<0.01
DRY-5	Middle Dryer	PM	2.52	1.45

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	(7.9 MMBtu/hr)	PM ₁₀	0.68	0.39
		VOC	0.04	
		NO _x	0.79	0.45
		CO	0.66	
		SO ₂	<0.01	
DRY-6	South Dryer (6.0 MMBtu/hr)	PM	2.51	1.45
		PM ₁₀	0.67	0.39
		VOC	0.03	0.02
		NO _x	0.60	
		CO	0.50	0.29
		SO ₂	<0.01	
BAG-WD	Cleaner and Gravity Table Bagfilter	PM ₁₀	3.55	2.49
BAG-RD	Aspirator/Treater/Bagger Bagfilter	PM ₁₀	0.47	0.33
BAG-RB	Re-Bagging Bagfilter	PM ₁₀	0.34	0.35
BAG-SM	Small Lots Grain Cleaner Bagfilter	PM ₁₀	0.31	0.02
TNK-7	Storage Tanks (10 - 60 gallons and 2 - 15 gallons)	VOC	<0.01	0.01
DRY-F1	Peanut Wagon Dryer No. 1 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	0.28	0.15
		VOC	<0.01	
		NO _x	0.10	0.05
		CO	0.08	0.04
		SO ₂	<0.01	
DRY-F2	Peanut Wagon Dryer No. 2 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	0.28	0.15

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		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 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	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 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	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 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	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
FUG-F1	Foundation Receiving Bin	PM	0.10	0.05
		PM ₁₀	0.01	0.01
CYC-F1	Foundation Cleaner Cyclone	PM	0.24	0.12
		PM ₁₀	0.23	0.12
BAG-F2	Foundation North Gravity Table Baghouse	PM ₁₀	0.50	0.25

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			lb/hr	TPY
BAG-F3	Foundation South Gravity Table Baghouse	PM ₁₀	0.50	0.25
CYC-F4	Foundation Aspirator Cyclone	PM PM ₁₀	0.20	
CYC-F4	Foundation Rebag Aspirator Cyclone	PM PM ₁₀	0.20 0.19	
CYC-F4	Total Foundation Aspirator/Rebag Aspirator Cyclone Operations	PM PM ₁₀		0.20 0.19
FAN-F5	Treater Hexdrum	PM PM ₁₀ VOC	0.30 0.17 <0.01	0.15
CYC-F6	Foundation Bagger Cyclone	PM PM ₁₀	0.11 0.06	0.06

(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) PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

* Refer to Special Condition No. 1 for throughput limitations and basis of emission rates.

Dated May 26, 2004