

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21408

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)	<u>Emission Rates*</u>	
			lb/hr	TPY
ULF001	Pit No. 40 Receiving	PM	14.97	
		PM ₁₀	7.48	
ULF002	Pit No. 30 Receiving	PM	14.97	
		PM ₁₀	7.48	
ULF003	Bulk Storage Bin Receiving	PM	14.76	
		PM ₁₀	7.38	
CCF001	Pit No. 50 Receiving	PM	2.52	
		PM ₁₀	1.26	
DRF003	Portable Dryer No. 1 Receiving	PM	0.05	
		PM ₁₀	0.03	
DRF004	Portable Dryer No. 2 Receiving	PM	0.05	
		PM ₁₀	0.03	
DRF005	Bin Dryer No. 9 Receiving	PM	0.76	
		PM ₁₀	0.38	
DRF006	Bin Dryer No. 8 Receiving	PM	0.76	
		PM ₁₀	0.38	
DRF007	Bin Dryer No. 7 Receiving	PM	0.57	
		PM ₁₀	0.28	
	Bulk Receiving Operations	PM		1.96
		PM ₁₀		0.98

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Emission Point No. (1)	Source Name (2)	Air Contaminant	<u>Emission Rates</u>	
	TPY		Name (3)	lb/hr
CC0001	System No. 1 and 2 Bag Filter	PM ₁₀	2.09	0.16
TR0001	System No. 3 Red Dust and Rebag Cartridge Filter	PM ₁₀	1.70	1.11
CC0002	System No. 4 Gravity Table Cartridge Filter	PM ₁₀	1.71	1.12
CC0003	System No. 5 Gravity Table Cartridge Filter	PM ₁₀	1.71	1.12
CC0004	System No. 6 Seed Stock Bag Filter	PM ₁₀	1.25	0.02
CC0004	System No. 7 Seed Stock Bag Filter	PM ₁₀	1.25	0.02
CC0005	System No. 8 Seed Stock Gravity Table Cartridge Filter	PM ₁₀	1.03	0.01
QA0001	Quality Assurance Cyclone System	PM ₁₀	<0.01	<0.01
PCF001	Precleaning	PM	5.04	0.66
		PM ₁₀	2.52	0.33
PC0001	Precleaning Cyclone System	PM ₁₀	33.06	4.4

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Emission Point No. (1)	Source Name (2)	Air Contaminant	<u>Emission Rates</u>	
			Name (3)	lb/hr
	TPY			
ULF001	Pit No. 40 Loadout	PM	7.56	
		PM ₁₀	3.78	
ULF002	Pit No. 30 Loadout	PM	7.56	
		PM ₁₀	3.78	
ULF003	Storage Bin Loadout	PM	3.24	
		PM ₁₀	1.62	
DRF001	Column Dryer No. 1 Loadout	PM	1.21	
		PM ₁₀	0.61	
DRF002	Column Dryer No. 2 Loadout	PM	1.08	
		PM ₁₀	0.54	
DRF003	Portable Dryer No. 1 Loadout	PM	0.03	
		PM ₁₀	0.01	
DRF004	Portable Dryer No. 2 Loadout	PM	0.03	
		PM ₁₀	0.01	
DRF005	Bin Dryer No. 9 Loadout	PM	0.15	
		PM ₁₀	0.07	
DRF006	Bin Dryer No. 8 Loadout	PM	0.15	
		PM ₁₀	0.07	
DRF007	Bin Dryer No. 7 Loadout	PM	0.57	
		PM ₁₀	0.28	
	Loadout Operations	PM		1.98
		PM ₁₀		0.99
DRF001	Column Dryer No. 1	PM ₁₀	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant	<u>Emission Rates</u>	
	TPY		Name (3)	lb/hr
		VOC	<0.01	<0.01
		NO _x	0.17	0.05
		CO	0.03	0.12
		SO ₂	<0.01	<0.01
DRF002	Column Dryer No. 2	PM ₁₀	<0.01	<0.01
		VOC	<0.01	<0.01
		NO _x	0.05	0.01
		CO	0.01	<0.01
		SO ₂	<0.01	<0.01
DRF003	Portable Dryer No. 1	PM ₁₀	<0.01	<0.01
		VOC	<0.01	<0.01
		NO _x	0.02	<0.01
		CO	<0.01	<0.01
		SO ₂	<0.01	<0.01
DRF004	Portable Dryer No. 2	PM ₁₀	<0.01	<0.01
		VOC	<0.01	<0.01
		NO _x	0.02	<0.01
		CO	<0.01	<0.01
		SO ₂	<0.01	<0.01
DRF005	Storage Bin Dryer No. 9	PM ₁₀	<0.01	<0.01
		VOC	<0.01	<0.01
		NO _x	0.02	<0.01
		CO	<0.01	<0.01
		SO ₂	<0.01	<0.01
DRF006	Storage Bin Dryer No. 8	PM ₁₀	<0.01	<0.01
		VOC	<0.01	<0.01
		NO _x	0.02	<0.01
		CO	<0.01	<0.01
		SO ₂	<0.01	<0.01
DRF007	Storage Bin Dryer	PM ₁₀	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant	<u>Emission Rates</u>	
			Name (3)	lb/hr
	TPY			
	No. 7	VOC	<0.01	<0.01
		NO _x	0.02	<0.01
		CO	<0.01	<0.01
		SO ₂	<0.01	<0.01
FM001	Fumigation Chambers 1 through 4	PH ₃	0.07	<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) PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter equal to or less than 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
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 PH₃ - phosphine

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

Dated _____