

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

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Permit No. 1555

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.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
CX-3	MS-1146 Dust Collector	PM ₁₀	0.16	0.71
CX-5	MS-1131 Extruder Vent	VOC	3.29	14.39
CX-7	MX-701 Product Tank (8)	PM	2.38	1.45
CX-9	MX-704 Bin Vent (5)	PM ₁₀	0.71	1.07
CX-10	MX-705 Bin Vent (5)	PM ₁₀	0.71	
CX-11	MX-708 Product Tank (6)	PM	1.16	5.09
CX-12	MX-709 Product Tank (6)	PM	1.16	
CX-13	MX-710 Product Tank (6)	PM	1.16	
CX-14	MX-711 Product Tank (6)	PM	1.16	
CX-15	MX-712 Product Tank (6)	PM	1.16	
CX-16	MX-713 Product Tank (6)	PM	1.16	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
CX-19	V-1939 Pellet Tank	PM	0.15	0.68
CX-20	Mica Feeder MFE-30216	PM	0.15	0.60
CX-23	V-1944 Pellet Tank (7)	PM	7.34	4.68
CX-24	V-1945 Pellet Tank (7)	PM	7.34	
CX-27	MX-707 Product Tank (6)	PM	1.16	
CX-30	Pellet Cyclone Tank (8)	PM	2.38	
CX-31	Additive Tank (MS-31639)	PM	0.06	0.12
CX-34	Additive Feeder (MFE-30262)	PM	0.06	0.22
CX-37	Additive Feeder (MFE-30070)	PM	0.03	0.11
CX-38	PBT Feeder (MFE-30071)	PM	0.05	0.20
CX-39	Rework Feeder (MFE-30072)	PM	0.05	0.20
CX-40	Color Rework Feeder	PM	0.01	0.04
CX-41	Additive Feeder (MFE-30074)	PM	0.03	0.11
CX-42	Concentrate Feeder	PM	0.01	0.04
CX-43	Rotary Airlock (MFE-312)	PM	0.05	0.20
CX-44	Rotary Airlock (MFE-313)	PM	0.05	0.20
CX-46	Thermal Oxidizer	Acetaldehyde	0.0612	0.245
		Tetrahydrofuran	0.0756	0.302
		Hexamethylene diamine	0.01	0.01
CX-47	PET Unloading Blower	PM	0.49	0.24

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CX-48	PET Storage Tank/Blower Vent	PM	0.49
	0.24		
CX-50	Dryer Vent Feeder	Acetaldehyde	0.01
		0.01	0.01
F-CX-28	Loading/Unloading	PM	1.56
	Fugitives (4)		4.72

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) 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.
PM - particulate matter, suspended in the atmosphere, including PM₁₀
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Only one bin receives raw material at any given time; therefore, the emission rates represent the total PM₁₀ emissions from any one or combination of the two bin vents (EPNs CX-9 and CX-10). The combined emissions from these EPNs shall not exceed 0.71 lbs/hr and 1.07 TPY.
- (6) Only one tank receives product at any given time; therefore, the emission rates represent the total PM emissions from any one or combination of the seven product tanks (EPNs CX-11, CX-12, CX-13, CX-14, CX-15, CX-16, and CX-27). The combined emissions from these EPNs shall not exceed 1.16 lb/hr and 5.09 TPY.
- (7) Only one tank receives product at any given time; therefore, the emission rates represent the total PM emissions from any one or combination of the two pellet tanks (EPNs CX-23 and CX-24). The combined emissions from these EPNs shall not exceed 7.34 lbs/hr and 4.68 TPY.
- (8) Only one tank receives product at any given time; therefore, the short-term (lb/hr) emission rates represent the total PM emissions from any one or combination of the two tanks (EPNs CX-7 and CX-30). The long-term (TPY) emission rates are additive. The combined emissions from these EPNs shall not exceed 2.38 lbs/hr and 1.45 TPY.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day ___ Days/week ___ Weeks/year ___ or Hrs/year 8,760

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Dated _____