

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19501

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
PF-CA-706	Catalyst Activator	PM	0.03	0.07
		CO	0.11	0.30
		NO _x	0.54	1.49
		SO ₂	0.01	0.01
		VOC	0.03	0.08
PF-CA-706S	Catalyst Activator Scrubber	PM	0.10	0.04
PF-CA-707	Catalyst Activator	PM	0.03	0.07
		CO	0.11	0.30
		NO _x	0.54	1.49
		SO ₂	0.01	0.01
		VOC	0.03	0.08
PF-CA-806	Catalyst Activator	PM	0.03	0.07
		CO	0.11	0.30
		NO _x	0.54	1.49
		SO ₂	0.01	0.01
		VOC	0.03	0.08
PF-CA-SF	Catalyst Sock Filters	PM	0.05	0.20
PF-CT-F	Cooling Tower (4)	VOC	1.18	5.17
PF-FL	Flare	VOC	3.76	5.00
		NO _x	0.09	0.41
		CO	0.55	2.41

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
PF-FN	Finishing Section	PM	1.18	0.62
PF-IS	Intermediate Storage	PM	2.33	2.73
PF-PDL	Powder Loading	PM	0.42	0.03
PF-PL	Pellet Loading	PM	0.04	0.09
PF-RD	Powder Rundown Section	PM	1.08	2.98
PF-RX-F	Reactor Section (4)	VOC	7.96	34.86
PF-S	Pellet Blending and Storage	PM	1.13	2.58
PF-TF	Tank Farm (4)	VOC	14.35	0.86
PF-TF-F	Tank Farm (4)	VOC	1.20	5.23
PF-TL	Truck Loading	PM	0.01	0.01
	Catalyst Tote Bin	PM	<0.01	<0.01
XLFUG	Fugitives	VOC	0.04	0.16
XLPER	Melt Tank Vent	VOC	1.70	2.30
XLSIL	Silane Vent	VOC	0.56	0.06
XLTO	Oxidizer Vent	VOC	1.05	3.84
		NO _x	0.36	0.88
		SO ₂	0.004	0.01
		CO	1.10	3.80
		PM ₁₀	3.29	9.73
XLV0002	Dry Additives vent	PM ₁₀	0.01	0.05
XLV1038	Resin Unloading Vent	PM ₁₀	0.10	0.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
XLV1340	Pellet Water System Vent	VOC	0.05	0.23
XLV1996	Product Transfer Vent	VOC	0.06	0.21
		PM ₁₀	0.10	0.20
XLV3008	Product Railcar Loading Vent 0.80	PM ₁₀		0.20
XLV3010	Flame Retardant Storage Silo Vent	PM ₁₀	0.10	0.30
XLV3011	Resin Storage Silo Vent	PM ₁₀	0.10	0.20
XLV3012	Product Truck Loading Vent 0.25	PM ₁₀		0.10
XLV3050	Flame Retardant Work Silo Vent 1.65	PM ₁₀		0.60
XLV3051	Resin Work Silo Vent	PM ₁₀	0.10	0.30

(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 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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.

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

CO - carbon monoxide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760
Hrs/year

Dated_____