

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19386

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
PE-FLARE	PE Flare **Upon full operational capability of ERU-3 125.6**	VOC	158.0	149.0
		NO _x	21.18	21.51
		CO	107.90	109.61
PE-CT3	Cooling Tower 3 (CT-3)	VOC	0.76	3.33
PE-A50	PE Area 50 Process Fugitives (4)	VOC	10.94	47.92
PE-AR702	PE Area R702 Process Fugitives (4)	VOC	5.26	23.04
PE-A130A	PE Area 130A Process Fugitives (4)	VOC	16.44	72.01
PE-A130B	PE Area 130B Process Fugitives (4)	VOC	11.25	49.28
PE-A130C	PE Area 130C Process Fugitives (4)	VOC	15.86	69.47
PE-A150	PE Area 150 Process Fugitives (4)	VOC	8.35	36.57
PE-A160	PE Area 160 Process Fugitives (4)	VOC	0.16	0.70

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
PE-AMTRYD	Meter Yard PE Components Fugitives (4)	VOC	0.65	2.85
PE-ERU	Ethylene Recovery Unit (4) 8.76	VOC		2.00
PE-CVS	PE Closed Vent System (4)	VOC	25.90	113.44
PE-CM7DRY	PE CM7 Dryer Vent	VOC	1.64	3.77
PE-CM7STG	PE CM7 Storage Vents Grouping	VOC PM ₁₀	4.44 0.02	12.34 0.07
PE-CM8DRY	PE CM8 Dryer Vent	VOC	1.64	3.77
PE-CM8STG	PE CM8 Storage Vents Grouping	VOC PM ₁₀	4.44 <0.01	12.34 <0.01
PE-CM8VNT	CM8 Extruder Premixer Vent	VOC PM ₁₀	0.45 <0.01	1.02 0.01
PE-CM10DRY	PE CM10 Dryer Vent	VOC	0.60	2.02
PE-CM10STG	PE CM10 Storage Vents Grouping	VOC PM ₁₀	2.20 <0.01	7.94 <0.01
PE-CM10FV	PE CM10 Extruder Feed Vent	VOC PM ₁₀	2.78 <0.01	9.90 <0.01
PE-FCM1DRY	PE FCM1 Dryer Vent	VOC	0.6	1.13
PE-FCM1STG	PE FCM1 Storage Vents Grouping	VOC PM ₁₀	1.62 0.11	3.68 0.19
PE-FCM2DRY	PE FCM2 Dryer Vent	VOC	0.76	1.88
PE-FCM2STG	PE FCM2 Storage Vents	VOC	2.05	6.13

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
	Grouping	PM ₁₀	0.11	0.24
PE-FCM3DRY	PE FCM3 Dryer Vent	VOC	0.76	1.88
PE-FCM3STG	PE FCM3 Storage Vents Grouping	VOC	2.05	6.13
		PM ₁₀	0.11	0.24
PE-FCM4DRY	PE FCM4 Dryer Vent	VOC	0.76	1.88
PE-FCM4STG	PE FCM4 Storage Vents Grouping	VOC	2.05	6.13
		PM ₁₀	0.11	0.24
PE-FCM5DRY	PE FCM5 Dryer Vent	VOC	0.76	1.88
PE-FCM5STG	PE FCM5 Storage Vents Grouping	VOC	2.05	6.13
		PM ₁₀	0.02	0.05
PE-FCM6FV	PE FCM6 Feed Vents Grouping	VOC	2.94	8.82
PE-FCM6DRY	PE FCM6 Dryer Vent	VOC	2.4	5.40
PE-FCM6STG	PE FCM6 Storage Vents Grouping	VOC	3.84	9.72
		PM ₁₀	0.20	0.45
PE-LOAD	PE Loading Sources	VOC	2.86	8.34
		PM ₁₀	0.80	0.99
PE-B9	Steam Boiler	VOC	2.55	11.17
		NO _x	12.15	53.22
		SO ₂	1.75	7.66
		PM ₁₀	0.56	2.45
		CO	9.96	43.62
PE-B10	100,000 PPH Steam Boiler	VOC	0.34	1.50

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(125 MM Btu/hr Capacity)	NO _x	5.63
24.70		
CO	4.20	18.40
PM	1.64	7.20
SO ₂	0.07	0.31

- (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) PM₁₀ - particulate matter less than 10 microns
- VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- 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 24 Days/week 7 Weeks/year 52 or
Hrs/year 8,760

Dated _____