

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
PE-FLARE	PE Flare		VOC		158.0	149.0
			NOx		15.0	15.0
			CO		111.0	110.0
PE-CT3	Cooling Tower 3 (CT-3)		VOC		0.76	3.33
PE-A50	PE Area 50 Process Fugitives (4)		VOC		21.87	95.78
PE-A50	PE Area 50 Process Fugitives (4)(5)		VOC		8.99	39.38
PE-AR702	PE Area R702 Process Fugitives (4)		VOC		10.26	44.95
PE-AR702	PE Area R702 Process Fugitives (4)(5)		VOC		5.81	25.45
PE-A130A	PE Area 130A Process Fugitives (4)		VOC		13.85	60.65
PE-A130A	PE Area 130A Process Fugitives (4)(6)		VOC		3.53	15.48
PE-A130B	PE Area 130B Process Fugitives (4)		VOC		4.79	21.00

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
PE-A130B	PE Area 130B Process Fugitives (4)(6)		VOC	1.24 5.44
PE-A130C	PE Area 130C Process Fugitives (4)		VOC	8.6 37.66
PE-A130C	PE Area 130C Process Fugitives (4)(6)		VOC	2.54 11.13
PE-A150	PE Area 150 Process Fugitives (4)		VOC	10.94 47.93
PE-A150	PE Area 150 Process Fugitives (4)(5)		VOC	2.67 11.68
PE-A160	PE Area 160 Process Fugitives (4)		VOC	0.36 1.59
PE-A160	PE Area 160 Process Fugitives (4)(6)		VOC	0.07 0.29
PE-AMTRYD	Meter Yard PE Components Fugitives (4)		VOC	0.50 2.18
PE-AMTRYD	Meter Yard PE Components Fugitives (4)(6)		VOC	0.09 0.4
PE-ERU	Ethylene Recovery Unit (4)		VOC	4.99 21.84
PE-ERU	Ethylene Recovery Unit (4)(5)		VOC	2.79 12.24
PE-CVS	PE Closed Vent System (4)		VOC	12.44 54.48

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			lb/hr	TPY
PE-CVS	PE Closed Vent System (4)(6)	VOC	8.07	35.33
PE-BB2FV	PE BB2 Feed Vent Grouping	VOC	0.59	1.72
PE-BB2DRY	PE BB2 Dryer Vent	VOC	0.48	1.05
PE-BB2STG	PE BB2 Storage Vents Grouping	VOC	0.77	1.89
		PM10	0.09	0.22
PE-CM7DRY	PE CM7 Dryer Vent	VOC	1.44	3.30
PE-CM7STG	PE CM7 Storage Vents Grouping	VOC	3.89	10.78
		PM10	0.10	0.27
PE-CM8DRY	PE CM8 Dryer Vent	VOC	1.44	3.30
PE-CM8STG	PE CM8 Storage Vents Grouping	VOC	3.89	10.78
		PM10	<0.01	<0.01
PE-CM10DRY	PE CM10 Dryer Vent	VOC	1.71	6.30
PE-CM10STG	PE CM10 Storage Vents Grouping	VOC	3.59	13.23
		PM10	<0.01	<0.01
PE-FCM1DRY	PE FCM1 Dryer Vent	VOC	0.6	1.13
PE-FCM1STG	PE FCM1 Storage Vents Grouping	VOC	1.62	3.68
		PM10	0.08	0.21
PE-FCM2DRY	PE FCM2 Dryer Vent	VOC	0.76	1.88
PE-FCM2STG	PE FCM2 Storage Vents Grouping	VOC	2.05	6.13
		PM10	0.08	0.30
PE-FCM3DRY	PE FCM3 Dryer Vent	VOC	0.76	1.88

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			lb/hr	TPY
PE-FCM3STG	PE FCM3 Storage Vents Grouping	VOC	2.05	6.13
		PM10	0.08	0.30
PE-FCM4DRY	PE FCM4 Dryer Vent	VOC	0.76	1.88
PE-FCM4STG	PE FCM4 Storage Vents Grouping	VOC	2.05	6.13
		PM10	0.08	0.30
PE-FCM5DRY	PE FCM5 Dryer Vent	VOC	0.76	1.88
PE-FCM5STG	PE FCM5 Storage Vents Grouping	VOC	2.05	6.13
		PM10	0.05	0.15
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
		PM10	0.19	0.40
PE-LOAD	PE Loading Sources	VOC	2.86	8.34
		PM10	0.33	0.97
PE-B9	Steam Boiler	VOC	2.55	11.17
		NOx	12.15	53.22
		SO2	1.75	7.66
		PM10	0.56	2.45
		CO	9.96	43.62

- (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.

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			lb/hr	TPY
(3)	PM10 - particulate matter less than 10 microns			
	VOC - volatile organic compounds as defined in General Rule 101.1			
	NOx - 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.			
(5)	Fugitive monitoring following an Intensive Directed Maintenance (28MID) program shall be in place no later than <u>June 30, 1994</u> .			
(6)	Fugitive monitoring following an Intensive Directed Maintenance (28MID) program shall be in place no later than <u>December 31, 1994</u> .			

* 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 _____