

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 18978 and PSD-TX-752M2

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>
QE1001B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00
		PM ₁₀	0.66	2.89
QE1002B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00
		PM ₁₀	0.66	2.89
QE1003B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00
		PM ₁₀	0.66	2.89
QE1004B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00
		PM ₁₀	0.66	2.89
QE1005B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		PM ₁₀	0.66	2.89
QE1006B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00
		PM ₁₀	0.66	2.89
QE1007B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00
		PM ₁₀	0.66	2.89
QE1008B	Pyrolysis Furnace	NO _x	30.30	132.71
		CO	8.17	35.78
		SO ₂	0.30	1.31
		VOC	0.70	3.00
		PM ₁₀	0.66	2.89
QEE1009B	Pyrolysis Furnace	NO _x	31.75	139.10
		CO	12.75	55.80
		SO ₂	0.36	1.56
		VOC	0.83	3.63
		PM ₁₀	0.83	3.64
QE5802UA	Package Boiler	NO _x	22.50	98.55
		CO	7.90	34.60
		SO ₂	0.14	0.61
		VOC	0.34	1.49
		PM ₁₀	0.34	1.49
QE5802UB	Package Boiler	NO _x	22.50	98.55

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		CO	7.90	34.60
		SO ₂	0.14	0.61
		VOC	0.34	1.49
		PM ₁₀	0.34	1.49
QE6410F	Pyrolysis Gasoline Tank 0.88		VOC	0.20
QE6411F	Pyrolysis Fuel Oil Tank 0.19		VOC	0.10
QE2410F	Wash Oil Drum	VOC	0.26	0.08
QE3416F	Methanol Tank	VOC	0.18	0.15
QE1416F	Decoking Drum	CO	519.30	132.66
		PM ₁₀	4.14	1.06
QEFUG	Process Fugitive (4)	VOC	21.68	94.96
QE7801U	Cooling Tower Fugitives (4) 31.27		VOC	7.14
QE8001A	Wastewater Sources	VOC	3.55	15.54
		SO ₂	< 0.01	< 0.01
QE3418F	MAPD Decoke Pot	CO	17.30	0.08
QE8050B	Elevated Flare	NO _x		43.71
		CO		31.53
		VOC		1.57
		PM ₁₀		0.18
		SO ₂		0.03
QE3050B	ARU Flare	NO _x		6.32

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		CO		4.57
		VOC		0.07
		PM ₁₀		0.03
		SO ₂		<0.01
QE7412F	Wash Oil Tank	VOC	0.56	0.17
QE6801U	Thermal Oxidizing Flare 3.10	VOC		11.20
		NO _x	10.67	6.15
		CO	7.71	8.15
		PM ₁₀	0.06	0.05
QEDOCKFUG	Dock Fugitives	VOC	0.24	1.03

(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) NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

PM₁₀ - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

(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:

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr TPY</u>

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

Dated _____