Permit No. 19168 and PSD-TX-760M3

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.

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
1001	Pyrolysis Furnace	VOC	0.70	3.00
1001	rylolysis ruillace	NO _X	30.30	132.71
		CO	8.20	35.92
		TSP	0.50	2.20
		SO ₂	0.38	1.70
		30 ₂	0.36	1.70
1002	Pyrolysis Furnace	VOC	0.70	3.00
		NO_X	30.30	132.71
		CO	8.20	35.92
		TSP	0.50	2.20
		SO_2	0.38	1.70
1003	Pyrolysis Furnace	VOC	0.70	3.00
1000	Tyrorysis Turnace	NO _X	30.30	132.71
		CO	8.20	35.92
		TSP	0.50	2.20
		SO ₂	0.38	1.70
1004	D] ' E	V0.5	0.70	2 00
1004	Pyrolysis Furnace	VOC	0.70	3.00
		NO _x	30.30	132.71
		CO TGB	8.20	35.92
		TSP	0.50	2.20
		SO ₂	0.38	1.70
1005	Pyrolysis Furnace	VOC	0.70	3.00
	, ,	NO_X	30.30	132.71

Emission <u>*</u>	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		CO TSP SO ₂	8.20 0.50 0.38	35.92 2.20 1.70
1006	Pyrolysis Furnace	VOC NO_X CO TSP SO_2	0.70 30.30 8.20 0.50 0.38	3.00 132.71 35.92 2.20 1.70

Emission	Source	Air Contaminant	<u>Emissi</u>	<u>on Rates</u>
<u>*</u> <u>Point No. (1)</u>	Name (2)	Name (3)	lb/hr	TPY
1007	Pyrolysis Furnace	VOC NO _X CO TSP SO ₂	0.70 30.30 8.20 0.50 0.38	3.00 132.71 35.92 2.20 1.70
1008	Pyrolysis Furnace	$\begin{array}{c} VOC \\ NO_{x} \\ CO \\ TSP \\ SO_{2} \end{array}$	0.70 30.30 8.20 0.50 0.38	3.00 132.71 35.92 2.20 1.70
1009B	Pyrolysis Furnace	VOC NO_X CO TSP SO_2	0.70 30.30 8.20 0.50 0.38	3.00 132.71 35.92 2.20 1.70
1009	Decoke Drum (5)	CO TSP	34.62 3.20	14.00 1.30
1010	Cooling Tower	VOC BZ	5.29 0.17	23.19 0.73
1011	API Oil/Water Separator	VOC BZ	1.34 0.04	5.86 0.19
1012	MAPD Regenerator 3418F	СО	17.30	0.01
1015	Raw Condensate Tank 6402F	VOC BZ	2.21 0.02	4.60 0.04
1017	Methanol Tank 3416F	VOC	0.65	0.02

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Emission *	Source	Air Contaminant	<u>Emissic</u>	n Rates
<u> </u>	Name (2)	Name (3)	lb/hr	TPY
1018	Olefins Plant Flare (6)	VOC NO _X CO	0.026 0.003 0.018	0.010 0.001 0.007
1018	Olefins Plant Flare (7)	VOC CO	1.67 3.31	0.02 0.02
1019	Fugitive (4)	VOC BZ	0.72 0.02	3.16 0.10
1020	Naphtha Tank 6401F	VOC BZ	5.69 0.06	12.98 0.11
1028	Fugitives - A (4)	VOC BZ	0.72 0.02	3.16 0.10
1029	Fugitives - B (4)	VOC BZ	0.72 0.02	3.16 0.10
1030	Fugitives - C (4)	VOC BZ	0.72 0.02	3.16 0.10
1031	Fugitives - D (4)	VOC BZ	0.72 0.02	3.16 0.10
1032	Fugitives - E (4)	VOC BZ	0.72 0.02	3.16 0.10
1033	Fugitives - F (4)	VOC BZ	0.72 0.02	3.16 0.10
1034	Fugitives - G (4)	VOC BZ	0.72 0.02	3.16 0.10

Emission *	Source	Air Contaminant	<u>Emissior</u>	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
1035	Fugitives - H (4)	VOC BZ	0.72 0.02	3.16 0.10
1036	Fugitives - I (4)	VOC BZ	0.72 0.02	3.16 0.10
1037	Fugitives - J (4)	VOC BZ	0.72 0.02	3.16 0.10
1038	Fugitives - K (4)	VOC BZ	0.72 0.02	3.16 0.10
1039	Fugitives - L (4)	VOC BZ	0.72 0.02	3.16 0.10
1040	Fugitives - M (4)	VOC BZ	0.72 0.02	3.16 0.10
1041	Fugitives - N (4)	VOC BZ	0.72 0.02	3.16 0.10
1042	Fugitives - 0 (4)	VOC BZ	0.72 0.02	3.16 0.10
1043	Fugitives - P (4)	VOC BZ	0.72 0.02	3.16 0.10
1044	Fugitives - Q (4)	VOC BZ	0.72 0.02	3.16 0.10
1045	Fugitives - R (4)	VOC BZ	0.72 0.02	3.16 0.10

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
<u> </u>	Name (2)	Name (3)	lb/hr	TPY
1046	Reboiler No. 1	VOC	0.08	0.36
		NO _X CO	1.82	7.97 4.47
		TSP SO₂	0.03 0.02	0.13 0.10
1047	Reboiler No. 2	VOC NO _x	0.08 1.82	0.36 7.97
		CO	1.02	4.47
		TSP SO₂	0.03 0.02	0.13 0.10
1048	Slop Oil Tank 7408F	VOC	0.54	0.07
1049	Fugitives - T (4)	VOC BZ	0.16 <0.01	0.70 0.02
1050	H₂SO₄ Tank	H_2SO_4	<0.01	<0.01
1051	Tank Flare	VOC NO _X CO TSP BZ	0.21 1.35 11.50 0.07 0.02	0.43 0.04 0.31 <0.01 0.04
PPUFUG-1	PPU Unloading Station Fugitives (4)	on VOC	0.47	2.04
PPUFUG-2	PPU Process Area Fugitives (4)	VOC	0.62	2.72
PPUFUG-3	PPU Storage Spheres Area Fugitives (4)	VOC)	0.19	0.82

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissic</u>	n Rates
- Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
WWTP	Wastewater Emissions	s VOC	0.22	0.96
8001B	Regeneration Heater	NO _X CO SO ₂ VOC PM	0.66 0.67 0.01 0.03 0.15	0.14 0.15 <0.01 0.01 0.03
8002B	Second Stage Feed He	eater NO _x CO SO ₂ VOC PM	0.24 0.11 0.01 0.02 0.05	1.05 0.48 0.01 0.09 0.22
8003B	GHU Flare	VOC NO_X CO SO_2	0.99 1.74 3.48 0.01	4.23 4.92 9.82 0.02
8801U	GHU Cooling Tower	VOC	0.88	3.86
8801F	GHU Fugitive (4)	VOC	0.29	1.27

⁽¹⁾ Emission point identification - either specific equipment designation or emission point number from plot plan.

 NO_{χ} - total oxides of nitrogen

CO - carbon monoxide

TSP - total suspended particulate

SO₂ - sulfur dioxide

⁽²⁾ Specific point source name. For fugitive sources use area name or fugitive source name.

⁽³⁾ VOC - volatile organic compounds as defined in General Rule 101.1

Emis <u>*</u>	ssion	Source	Air Contaminant	<u>Emissio</u>	n Rates
<u>Poir</u>	nt No. (1)	Name (2)	Name (3)	1b/hr	<u>TPY</u>
(5) (6) (7) *	H ₂ SO ₄ - sulfu Fugitive em considered a Only one fur Emission rat and do not i Catalyst Reg Emission rat following ma	culate matter ric acid (98 prission rates a maximum al nace shall be tes given are nclude non-rou eneration tes are based ximum operation	are an estimate only and lowable emission rate. decoked at a time. those attributable to normatine services such as emerger on and the facilities are	al servic ncy servi limited	e only, ce. by the
			Dated		