EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 17830 and PSD-TX-331M1

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**
S-031	FCC Slurry Oil Tank 31	VOC	0.31	0.38
S-032	FCC Slurry Oil Tank 32	VOC	0.73	1.33
S-033	Alkylate Tank 33	VOC	1.06	3.18
S-034	FCC Light Cycle Oil Tank 34	VOC	0.63	0.62
S-035	Vacuum Gas Oil Tank 35	VOC	6.87	9.92
S-036	Sour Water Tank 36	H_2S	0.01	0.02
		VOC	0.49	1.09
S-037	Reformate Tank 37	VOC	1.66	4.25
S-038	Light Alkylate Tank 38	VOC	1.26	2.32
S-039	Sour Water Tank 39	VOC	0.45	0.99
			0.01	0.02
S-040	Gasoline Tank 40	VOC	2.05	7.28
S-041	Gasoline Tank 41	VOC	15.11	63.46
S-042	Vacuum Gas Oil Tank 42	VOC	12.68	26.10
S-043	Alkylate Tank 43	VOC	0.44	1.24
S-100	Benzene Storage	VOC	0.17	0.55
S-101	Benzene Storage	VOC	0.17	0.55
S-102	Benzene Storage	VOC	0.25	0.55

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
S-108	Lube Oil Tank 108	VOC	0.09	0.10
S-119	Kerosene Tank 119	VOC	0.07	0.15
S-120	Kerosene Tank 120	VOC	0.10	0.05
S-127	Diesel Tank 127	VOC	4.64	1.74
S-128	Diesel Tank 128	VOC	4.64	1.74
S-129	Diesel Tank 129	VOC	4.63	1.97
S-130	Diesel Tank 130	VOC	4.63	1.97
S-200	Mirando Crude Tank 200	VOC H_2S	0.95 0.06	2.58 0.22
S-201	Mirando Crude Tank 201	VOC	0.77	1.13
S-300	Blendstock Tank 300	VOC	2.64	11.39
S-301	Toluene Storage	VOC	0.30	0.39
S-302	Toluene Storage	VOC	0.30	0.39
S-303	JP4 Tank 303	VOC	0.26	0.09
S-304	JP4 Tank 304	VOC	0.59	1.28
S-305	Mixed Xylenes	VOC	0.28	0.47
S-306	Mixed Xylenes	VOC	0.28	0.47
S-308	Mixed Xylenes	VOC	0.80	0.40
S-309	Extract Storage	VOC	0.21	0.82

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
S-310	Slop Tank 310	VOC	0.82	2.40
S-311	JP4 Tank 311	VOC	0.58	1.26
S-312	Light Reformate Tank 312	VOC	1.07	2.45
S-313	Gasoline	VOC	1.18	2.65
S-314	JP4 Tank 314	VOC	0.58	1.22
S-315	Gasoline Tank 315	VOC	1.10	4.25
S-316	Aviation Gasoline Tank 316	VOC	1.09	2.42
S-317	Toluene Tank 317	VOC	0.35	0.42
S-318	Aviation Gasoline Tank 318	VOC	0.76	1.63
S-331	Kerosene/Diesel Tank 331	VOC	0.91	0.32
S-332	Gasoline Tank 332	VOC	3.22	12.01
S-333	Diesel Tank 333	VOC	0.40	0.25
S-334	Gasoline Tank 334	VOC	2.05	7.35
S-335	Gasoline Tank 335	VOC	2.05	7.23
S-336	Toluene Storage	VOC	0.84	0.42
S-337	Crude Oil Tank 337	H_2S	0.01	0.01
		VOC 1.61	5.29	
S-338	Crude Oil Tank 338	H_2S	0.01	0.01
		VOC 1.61	5.29	
S-339	Gasoline Storage	VOC	2.31	5.02

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**
S-340	Naphtha Storage	VOC	0.98	2.63
S-401	Vacuum Bottoms Tank 401	VOC	1.07	1.72
S-402	No. 6 Fuel Oil Tank 402	VOC	1.07	1.43
S-680-6	Oily Wastewater Tank 680-6	VOC	0.48	0.44
S-680-7	Oily Wastewater Tank 680-7	VOC	0.48	0.44
S-680-8	Non-Oily Wastewater Tank 680-8	VOC	23.30	3.11
F-0835	Refinery Tank Farm Process Fugitives (4)	VOC	5.24	22.95
F-0838	Aromatics Tank Farm Process Fugitives (4)	VOC	0.35	1.53

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. Source name indicates worst-case material stored in each tank. Tank contents may vary as long as emissions remain within limits indicated. For fugitive sources use area name or fugitive source name.
(3) H_2S - hydrogen sulfide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 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:

24 Hrs/day 7 Days/week 52 Weeks/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated