

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 73323

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**
01TANK0205	Asphalt Tank	VOC	0.67	0.93
01TANK0207	Asphalt Tank	VOC	0.67	1.14
01TANK0208	Asphalt Tank	VOC	0.67	1.37
01TANK0209	Asphalt Tank	VOC	0.67	1.33
01TANK0212	Asphalt Tank	VOC	0.67	0.03
01TANK0213	Asphalt Primer Tank	VOC	4.79	0.06
01TANK0214	Asphalt Primer Tank	VOC	27.10	0.47
01TANK0215	Asphalt Tank (5)	VOC	151.1	1.14
	Asphalt Tank (6)	VOC	0.37	0.54
01TANK0216	Asphalt Tank	VOC	0.96	0.02
23TANK0001	PDAGO Tank	VOC	0.25	0.12
37TANK0115	Heavy Naptha Tank	VOC	0.31	1.39
37TANK0320	Methanol Tank	VOC	1.51	2.02
37TANK0328	Sweet Naphtha Tank	VOC	9.87	16.05
02CRUDEFLR	Crude Unit Flare	VOC	0.01	0.02
		SO ₂	0.01	
		NO _x	0.05	
		CO	0.24	

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37BOXAHTR	Asphalt Heater Box A	VOC	0.10	0.45
		SO ₂	0.55	0.75
		NO _x	1.92	8.41
		CO	1.36	5.97
		PM ₁₀	0.14	0.63
37BOXBHTR	Asphalt Heater Box B	VOC	0.05	0.24
		SO ₂	0.29	0.39
		NO _x	1.00	4.38
		CO	0.71	3.11
		PM ₁₀	0.07	0.33
24STM12BLR	No. 12 Boiler (5)	VOC	1.05	4.60
		SO ₂	5.59	7.65
		NO _x	19.47	85.28
		CO	13.82	60.51
		PM ₁₀	1.45	6.35
	No. 12 Boiler (6)	VOC	1.05	4.60
		SO ₂	5.59	7.65
		NO _x	11.68	51.17
		CO	13.82	60.51
		PM ₁₀	1.45	6.35
23PDAFUG	PDAGO Tank Fugitives (4)	VOC	0.27	1.19
37GRID4FUG	Heavy Naphtha Tank Fugitives (4)	VOC	0.14	0.61
37GRID7FUG	Grid 7 Fugitives (4)	VOC	0.35	1.52
37GRID2FUG	Grid 2 Fugitives (4)	VOC	0.63	2.78
01ASPRKUNT	Asphalt Fugitives (4)	VOC	2.03	8.72
24BOILRFUG	No. 12 Boiler Fugitives (4)	VOC	0.01	0.06
28SLEFUG	SLE Unit Fugitives (4)	VOC	1.19	5.27
37NGRKUNT	Natural Gasoline Unloading	VOC	0.01	0.01

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	Fugitives (4)			
37IC4RKUNT	Isobutane Unloading	Fugitives (4) VOC	0.01	0.05
37C4RKLDG	Butane Unloading	Fugitives (4) VOC	0.01	0.06

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

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

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall

be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) The emission rate is applicable until every EPN authorized by this permit is equipped with control devices that meet or exceed ten-year old best available control technology (BACT) in accordance with Special Condition Nos. 4 and 10 of this permit. All controls must be installed by March 1, 2008.

(6) The emission rate is applicable after the EPN is equipped with control devices that meet or exceed ten year-old BACT in accordance with Special Condition Nos. 4 and 10 of this permit.

* 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 or 8,760 Hrs/year

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

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			<u>lb/hr</u>	<u>TPY**</u>

Date August 30, 2005