

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19663

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
0030-994	Lube Oil Storage Tank	VOC	0.26	0.06
33060	Large Oil Storage Tank Vent	VOC	0.03	0.07
COMP1	No. 1 Poly Compressor West Stack	VOC	0.01	0.04
COMP2	No. 1 Poly Compressor East Stack	VOC	0.01	0.04
COMP3	No. 2 Poly Compressor West Stack	VOC	0.01	0.04
COMP4	No. 2 Poly Compressor East Stack	VOC	0.01	0.04
COMP5	No. 1 Vent Gas Compressor West Stack	VOC	0.13	0.57
COMP6	No. 1 Vent Gas Compressor East Stack	VOC	0.13	0.57
COMP7	No. 3 Vent Gas Compressor Stack	VOC	0.26	1.14
COMP8	No. 3 Recip. Compressor West Stack	VOC	0.01	0.04
COMP9	No. 3 Recip. Compressor East Stack	VOC	0.01	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
COMP10	No. 4 Recip. Compressor West Stack	VOC	0.01	0.04
COMP11	No. 4 Recip. Compressor East Stack	VOC	0.01	0.04
COMP12	No. 5 Recip. Compressor West Stack	VOC	0.01	0.04
COMP13	No. 5 Recip. Compressor East Stack	VOC	0.01	0.04
M	M Line Vent	PM ₁₀	0.17	0.73
		VOC (5)	14.80	36.44
N	N Line Vent	PM ₁₀	0.25	1.08
		VOC (5)	18.00	34.13
TK-2D-1C	Fresh ENB Tank Vent	VOC	0.14	0.05
TK-2D-2C	No. 2 Oil Feed Tank	VOC	0.21	0.01
TK-2D-3C	Recycle ENB Tank Vent	VOC	0.15	0.01
TK-2D-5E	Wet Cyclohexane Tank Vent	VOC	6.65	1.50
TK-2D-6E	In-Process Heavies Tank Vent	VOC	3.42	0.12
TK-2D-7E	No. 1 Oil Feed Tank	VOC	0.21	0.01
TK-2D-14GV	Catalyst Knockout Tank Vent	VOC	35.23	1.37
TK-2D-15D	Intermediate Tank Vent	VOC	26.09	2.53
TK-2D-22E	Dry Cyclohexane Tank Vent	VOC	5.45	1.48
WCT-32	Cooling Tower	VOC	0.50	1.66

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			lb/hr	TPY **
WWFUG	Wastewater	VOC	0.03	0.03
EPFUG	EPR Unit Fugitives (4)	VOC	17.61	77.12
EPFUG2	Refrigeration System Fugitives (4)	NH ₃	0.02	0.08

(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) NH₃ - ammonia

PM₁₀ - particulate matter (PM) 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.

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.

(5) The total combined VOC emissions from Lines M and N shall not exceed 36.44 tons per year.

* 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 March 3, 2010