

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
33060	Large Oil Storage Tank Vent 0.09		VOC	0.31
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	VOC	0.01	0.04

## East Stack

COMP10	No. 4 Recip Compressor West 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
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
EPFUG	EPR Unit Fugitives (4)	VOC	10.35	45.34
FLARE1	Waste Gas Flare	VOC	21.00	30.07
		NO <sub>x</sub>	3.08	4.41
		CO	6.19	8.81
M	M Line Vent	VOC (5)	14.80	29.08
		PM <sub>10</sub>	0.15	0.65
N	N Line Vent	VOC (5)	18.00	27.14
		PM <sub>10</sub>	0.27	1.16
TK-2D-1C	Fresh ENB Tank Vent	VOC	1.62	0.09
TK-2D-2C	No 2 Oil Feed Tank	VOC	0.31	0.04
TK-2D-3C	Recycle ENB Tank Vent	VOC	0.19	0.10
TK-2D-15D	Intermediate Tank Vent	VOC	26.40	2.23

TK-2D-5E	Wet Cyclohexane Tank Vent	VOC	18.39	3.38
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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
TK-2D-6E	In-Process Heavies Tank Vent 2.55	VOC		43.54
TK-2D-7E	No. 1 Oil Feed Tank	VOC	0.31	0.04
TK-2D-22E	Dry Cyclohexane Tank Vent	VOC	12.96	2.91
TK-2D-14G	Catalyst Knockout Tank Vent 2.93	VOC		16.70
WCT-32	Cooling Tower	VOC	0.50	1.66

- (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) VOC - volatile organic compounds as defined in General Rule 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM 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 total combined VOC emissions from Lines M and N shall not exceed 29.08 tpy.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day    \_\_\_\_\_Days/week    \_\_\_\_\_Weeks/year or 8,760  
Hrs/year

Dated\_\_\_\_\_