

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 26131

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
29	K10B Compressor Engine	VOC	2.16	9.47
		NO <sub>x</sub>	9.57	41.91
		CO	15.86	69.46
		PM	0.87	3.80
		PM <sub>10</sub>	0.87	3.80
		PM <sub>2.5</sub>	0.87	3.80
		SO <sub>2</sub>	0.01	0.05
		NH <sub>3</sub>	0.11	0.48
		CHOH	0.99	4.35
30	K10C Compressor Engine	VOC	2.16	9.47
		NO <sub>x</sub>	9.57	41.91
		CO	15.86	69.46
		PM	0.87	3.80
		PM <sub>10</sub>	0.87	3.80
		PM <sub>2.5</sub>	0.87	3.80
		SO <sub>2</sub>	0.01	0.05
		NH <sub>3</sub>	0.11	0.48
		CHOH	0.99	4.35
42Pilot	Flare - Pilot Fuel Only	VOC	0.04	0.19
		NO <sub>x</sub>	0.60	2.64
		CO	2.40	10.52
		SO <sub>2</sub>	<0.01	<0.01

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		HAP	<0.01	<0.01
42	Flare-MSS Emissions	VOC	51.86	26.02
		NO <sub>x</sub>	21.99	11.03
		CO	188.50	94.59
		SO <sub>2</sub>	227.25	114.03
		H <sub>2</sub> S	2.42	1.21
		HAP	6.62	3.32
FUG	Fugitives (5)	VOC	0.09	0.41
		H <sub>2</sub> S	<0.01	0.01
		HAP	0.01	0.05
46	Boiler No. 4	VOC	0.64	2.80
		NO <sub>x</sub>	21.40	81.24
		CO	8.32	23.44
		PM	0.89	3.87
		PM <sub>10</sub>	0.89	3.87
		PM <sub>2.5</sub>	0.89	3.87
		SO <sub>2</sub>	0.83	3.65
		CHOH	0.01	0.04

- (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 Title 30 Texas Administrative Code § 101.1; these rates include formaldehyde emissions
- NO<sub>x</sub> - total oxides of nitrogen
- CO - carbon monoxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- SO<sub>2</sub> - sulfur dioxide
- NH<sub>3</sub> - ammonia
- CHOH - formaldehyde, also considered a HAP per the definition below
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C; these rates include formaldehyde and hydrogen sulfide emissions

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H<sub>2</sub>S - hydrogen sulfide

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: April 15, 2016