

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19819

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
150	47-H-01/02/03/04			PM	0.20	0.86
				VOC	0.27	1.20
				NOx	16.86	73.85
				SO2	1.51	6.61
				CO	5.06	22.15
151	48-H-01			PM	0.02	0.10
				VOC	0.07	0.29
				NOx	2.02	8.85
				SO2	0.18	0.79
				CO	0.61	2.65
152	49-H-01/02/03/04			PM	0.42	1.83
				VOC	0.68	2.32
				NOx	32.54	142.53
				SO2	2.90	12.71
				CO	9.76	42.76
47-F	HCU Fugitives			VOC	4.10	17.97
				BZ	0.04	0.18
48-F	NHT Fugitives			VOC	1.50	6.55
				BZ	0.02	0.07
49-F	CRU Fugitives			VOC	1.28	5.61
				BZ	0.05	0.22
155	49-ME-53			HCl	0.04	0.18
156	TK-62			VOC	1.53	1.33

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
157	TK-63			VOC	1.53	1.33
10-F	Piperack Area Fugitives			VOC	0.08	0.35

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
153	Boiler 30-B-02	PM	0.23	0.99
		VOC	0.32	1.39
		NOx	19.50	85.41
		SO2	1.75	7.64
		CO	5.85	25.62
45	HOC Cooling Tower	VOC	0.53	2.30
158	Ground Flare	EMERGENCY USE ONLY		

- (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) PM - particulate matter
HCl - hydrogen chloride
VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide
BZ - benzene
- (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:

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

Dated _____