

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21656

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		
38-H-1	DHDS No. 1 Heater		NOx		2.79	12.2
			CO		0.76	3.31
			SO2		0.57	2.50
			VOC		0.06	0.24
			PM/PM10		0.27	1.19
**38-H-1	DHDS No. 1 Heater		NOx		1.60	7.00
			CO		1.62	7.11
			SO2		0.76	3.35
			VOC		0.07	0.32
			PM/PM10		0.36	1.60
38-H-2	DHDS No. 1 Reboiler		NOx		2.86	12.54
			CO		0.78	3.40
			SO2		0.59	2.57
			VOC		0.06	0.25
			PM/PM10		0.28	1.23
**38-H-2	DHDS No. 1 Reboiler		NOx		1.70	7.46
			CO		1.73	7.58
			SO2		0.82	3.57
			VOC		0.08	0.35
			PM/PM10		0.39	1.70
DIST 1-FE	DHDS No. 1 Fugitives (4)		Naphtha		0.223	0.978
			Diesel		1.26	5.53
			Other VOC		0.206	0.902
			H2S		0.006	0.025
			NH3		0.0001	0.0004
			C6H6		0.0009	0.004

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- (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.

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- (3) PM - particulate matter
PM10 - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide
H2S - hydrogen sulfide
NH3 - anhydrous ammonia
C6H6 - benzene
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

** Emission rates for the Heater and Deboiler equipped with Low NOx burners.

* 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