

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9288

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
H-1A	Heater	VOC	0.35	1.5
		NOx	9.0	39.4
		PM	1.8	8.0
		CO	2.0	9.0
H-1B	Heater	VOC	0.35	1.5
		NOx	9.0	39.4
		PM	1.8	8.0
		CO	2.0	9.0
H-2	Heater	VOC	0.02	0.1
		NOx	0.7	3.1
		PM	0.14	0.6
		CO	0.16	0.7
H-2B	Heater	VOC	0.04	0.18
		NOx	1.00	4.4
		PM	0.20	0.88
		CO	0.22	0.96
R-104	215 HP Waukesha Engines	VOC	0.5	2.1
		NOx	8.5	37.0
		CO	0.48	2.1
8	SulFerox sm (6)	H2S	0.201	0.88
		BZ	2.260	9.90
		CH3SH	0.208	0.91
		C2H6S	0.228	1.00
		NH3	2.283	10.00
		VOC (7)	10.37	45.46
CW	Cooling Tower	VOC	2.52	11.04

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Fugitives (4) (5) VOC 179.15

- (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
NOx - total oxides of nitrogen
PM - particulate matter
CO - carbon monoxide
BZ - benzene
H2S - hydrogen sulfide
NH3 - ammonia
CH3SH - methyl mercaptan
C2H6S - ethyl mercaptan
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Fugitives were not reported for most of the facility on original permit. Implementation of the facility-wide 28M I and M program will result in a net reduction of 457.65 TPY of VOC.
- (6) EPN 8 is the spent air stack at the SulFeroxsm Unit.
- (7) VOC reported value is excluding benzene, methyl mercaptan, and ethyl mercaptan and includes (but is not limited to) isopropylmercaptan, dimethyl disulfide, methylethyl disulfide, toluene, (m,p,o)-xylenes, and naphthalene.

* 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

Dated_____

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