

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23553

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		
632-R	Reactor Feed Heater			NOx	0.53	2.33
				CO	0.24	1.05
				SO2 (a)	0.22	0.49
				PM10	0.11	0.47
				VOC	0.03	0.15
632-LEF	Reboiler Heater			NOx	1.36	5.94
				CO	1.38	6.04
				SO2 (a)	0.56	1.25
				PM10	0.31	1.36
				VOC	0.06	0.28
FU62HDS	Fugitives (4)			VOC	0.45	1.95
				H2S	<0.01	0.02
				NH3	<0.01	<0.01

- (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
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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (a) Based on a three-hour rolling average.

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

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

Dated _____