

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5531

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)	Emission Rates *	
			lb/hr	TPY**
AAU	Aromatics Absorption Unit Process Heater 21 MMBtu/hr (4)	NO _x	2.06	9.03
		CO	1.73	7.59
		VOC	0.11	0.50
		SO ₂	0.15	0.64
		PM ₁₀	0.16	0.68

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) The AAU heater has a maximum heat input rate of 21 MMBtu per hour (HHV). The maximum rate of heat transfer from the AAU heater to the aromatics stream is 18 MMBtu/hr.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

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			<u>lb/hr</u>	<u>TPY**</u>

Dated_____