

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23552

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
636FDHTR	636 Reactor Feed Heater	PM ₁₀	1.26	4.96
		VOC	0.26	1.01
		NO _x	5.51	21.7
		CO	4.13	11.4
		SO ₂ (a)	2.31	4.56
636FRHTR	636 Fractionator Feed Heater 6.69	PM ₁₀		1.68
		VOC	0.34	1.36
		NO _x	7.35	29.3
		CO	5.31	15.4
		SO ₂ (a)	3.09	6.15
FU66HDS	636 Fugitives (4)	VOC	0.79	3.47
		H ₂ S	0.01	0.05
		NH ₃	<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) VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - nitrogen oxides
 - SO₂ - sulfur dioxide
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - CO - carbon monoxide
 - H₂S - hydrogen sulfide
 - NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be

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

considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by a maximum operating schedule of 8,760 hours per year.

Dated_____