

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3045

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		<u>Emission Rates *</u>	
		Name (3)	lb/hr TPY		
SHTU3-1	Charge Heater (5)	SO ₂	1.60	7.01	
		NO _x	13.90	60.88	
		CO	2.23	3.30	
		VOC	1.80	7.88	
		PM ₁₀	0.32	0.47	
SHTU3-1	Charge Heater (6)	SO ₂	1.48	6.48	
		NO _x	3.61	15.81	
		CO	1.91	8.37	
		VOC	0.15	0.66	
		PM ₁₀	0.27	1.18	
SHTU3-2	Rerun Tower Reboiler (5)	SO ₂	1.40	6.13	
		NO _x	11.50	50.37	
		CO	1.85	2.75	
		VOC	1.50	6.57	
		PM ₁₀	0.26	0.39	
SHTU3-2	Rerun Tower Reboiler (6)	SO ₂	1.23	5.39	
		NO _x	3.00	13.14	
		CO	1.59	6.96	
		VOC	0.13	0.57	
		PM ₁₀	0.23	1.01	
FHTU3	Fugitives (4)	VOC	0.85	3.71	
FKHTU3	Cooling Tower	VOC	0.14	0.05	

- (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) PM₁₀ - particulate matter less than 10 microns
- VOC - volatile organic compounds as defined in General Rule 101.1
- NO_x - 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.
- (5) Before installation of reduced NO_x burners.
- (6) After installation of reduced NO_x 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

Dated _____