

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22045

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
PHASE 1: Prior to start-up of 1204/1205 Reactor Systems and HA-10/HA-11 Scrubbers				
120FUG	Fugitives (4)	H ₂ S	0.01	0.05
		VOC	0.20	0.87
15	Acid Unit Flare	NO _x	0.04	0.18
		CO	0.29	1.27
		H ₂ S	0.08	0.35
		SO ₂	7.31	32.03
		VOC	1.03	4.52
PHASE 2: After start-up of 1204/1205 Reactor Systems and HA-10/HA-11 Scrubbers				
120FUG	Fugitives (4)	H ₂ S	0.01	0.06
		VOC	0.20	0.87
15	Acid Unit Flare	NO _x	0.25	1.08
		CO	1.16	5.10
		H ₂ S	0.10	0.44
		SO ₂	9.25	40.43
		VOC	3.15	6.58

(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) VOC - volatile organic compounds

as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

H₂S - hydrogen sulfide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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_____