

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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 Point No. (1)	Name (2)	Source Name (3)	lb/hr	TPY	Air Contaminant	<u>Emission Rates *</u>	
PHASE 1: Prior to start-up of 1204/1205 Reactor Systems and HA-10/HA-11 Scrubbers							
120FUG		Fugitives (4)			H2S	0.01	0.05
					VOC	0.20	0.87
15		Acid Unit Flare			NOx	0.04	0.18
					CO	0.29	1.27
					H2S	0.08	0.35
					SO2	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)			H2S	0.01	0.06
					VOC	0.20	0.87
15		Acid Unit Flare			NOx	0.05	0.22
					CO	0.36	1.59
					H2S	0.10	0.43
					SO2	9.14	40.04
					VOC	1.29	5.65

(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

NOx - 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 8760