

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18072

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
D-1521V	Process Carbon Adsorber	VOC	0.89	1.95
D-1521BV	Process Carbon Adsorber	VOC	0.83	1.82
D-1221V	Hydrogen Carbon Adsorber	VOC	0.03	0.05
D-1221BV	Hydrogen Carbon Absorber	VOC	0.03	0.05
ACC-1101V	Dissolver Adsorber	VOC	0.21	0.13
ACC-1407V	No. 3 Stripper Adsorber	VOC	0.001	0.006
ACC-1411AV	Heavy Reclaimer Adsorber	VOC	1.19	0.007
ACC-1201V	Catalyst Make-up Adsorber	VOC	0.05	0.005
ACC-1201BV	Catalyst Make-up Adsorber	VOC	0.05	0.005
ACC-1505V	Fines Tank Adsorber	VOC	0.21	0.79
ACC-1202V	H2 Vent Cooler Adsorber	VOC	0.10	0.02
ACC-1202BV	H2 Vent Cooler Adsorber	VOC	0.10	0.02
ACC-1101BV	D-1101B Carbon Adsorber	VOC	0.21	0.13
E-2000AV	Cooling Tower Fan A	VOC	0.08	0.34
E-2000BV	Cooling Tower Fan B	VOC	0.08	0.34

E-2000CV	Cooling Tower Fan C	VOC	0.08	0.34
E-2000DV	Cooling Tower Fan D	VOC	0.08	0.34
E-2000EV	Cooling Tower Fan E	VOC	0.08	0.34
E-2000FV	Cooling Tower Fan F	VOC	0.08	0.34
FLARE1	Flare	VOC	0.67	2.94
		CO	0.28	1.23
		NO _x	0.06	0.24
		SO ₂	<0.01	0.04
FUG-COMP	Equipment Fugitives (4)	VOC	1.30	5.70
		NH ₃	0.11	0.48
D-1206V	H2 Relief Knockout Drum	Emergency Use Only		

(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 - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

NH₃ - ammonia

(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 _____