

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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**
ACC-1101V	Dissolver Carbon Adsorber ACC-1101 Vent	VOC	0.21	0.13
ACC-1101BV	Dissolver Carbon Adsorber ACC-1101B Vent	VOC	0.21	0.13
ACC-1201V	Catalyst Makeup CarbonAdsorber ACC-1201 Vent	VOC	0.05	0.01
ACC-1201BV	Catalyst Make-up Carbon Adsorber ACC-1201B Vent	VOC	0.05	0.01
ACC-1202V	H2 Vent Cooler Carbon Absorber ACC-1202 Vent	VOC	0.10	0.02
ACC-1202BV	H2 Vent Cooler Carbon Absorber ACC-202B Vent	VOC	0.10	0.02
ACC-1411AV	Heavy Reclaimer Drumming Carbon Adsorber ACC-1411A Vent	VOC	1.19	0.01

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D-1521V	Process Carbon Adsorber D-1521 Vent	VOC	0.89	1.95
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	3.10	1.93
		NO _x	0.35	0.22
		CO	1.78	1.14
		SO ₂	0.01	0.01
		HCl	1.41	2.67
FUG-COMP	Piping Fugitives (4)	VOC	1.31	5.74

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
HCl - hydrogen chloride
- (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 8,760 Hrs/year

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** Compliance with annual emission limits is based on a rolling 12-month period.

2008

Dated February 22,