EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23349

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.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA Emission Rates * lb/hr	TPY
S-12	Reactor Heater	VOC	0.03	0.20
		NO_x	0.37	1.70
		SO_2	0.06	0.30
		CO	0.08	0.40
		PM	0.05	0.20
S-13	Hot Oil Heater	VOC	0.05	0.20
		NO_x	0.64	2.80
		SO_2	0.09	0.40
		CO	0.14	0.60
		PM	0.08	0.40
WESTCT	West Cooling Tower	VOC	0.40	0.90
		H_2S	0.40	0.90
WESTCT2	West Cooling Tower 2	VOC	0.11	0.25
		H_2S	0.11	0.25
F-92	092 Unit Fugitives (4)	VOC	2.07	9.82
		H_2S	0.38	1.64
		CS_2	0.17	0.72
		COS	0.21	0.90
F-10	Truck Loading Fugitives (4)	VOC	0.02	0.07
		Mercaptans	<0.01	0.02
F-11	Canning and Drumming Fugitives (4)	VOC	0.12	0.50
		Mercaptans	0.03	0.13
P-BLDTNKS	Blend Tank Piping Fugitives (4)	VOC	1.75	7.80
		Mercaptans	0.32	1.40
P-FLR	Flare	VOC	0.80	0.61
		NO_x	0.07	0.05
		SO_2	41.40	31.50
		CO	0.27	0.20

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(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
SO_2 - sulfur dioxide
CO - carbon monoxide
PM - particulate matter
H_2S - hydrogen sulfide
CS_2 - carbon disulfide
COS - carbonyl 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 _____ 8,760 Hrs/year