EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9288

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)	Emission Rates * lb/hr	TPY**
CW	Cooling Tower	VOC	2.52	11.04
FL1	DUCRP Emergency Flare (6)	NO_x	0.01	0.05
		CO	0.09	0.40
FL2	Wasson Emergency Flare (6)	NO_x	0.01	0.05
		CO	0.09	0.40
FUG1	Fugitives (4)	VOC	2.99	13.08
FUG2	Belt Filter Building (4)	VOC	1.12	4.90
H-1A and H-1B	Combined Heaters H-1A and H-1B (6)	VOC	0.32	1.40
		NO_x	14.48	63.73
		SO_2	18.46	80.89
		PM_{10}	7.98	34.96
		CO	5.49	24.05
		H_2S	0.09	0.41
		NH_3	0.03	0.12
H-2	Heater H-2 (7 MMBTU/hr)	VOC	0.02	0.09
		NO_x	0.70	3.07
		SO_2	<0.01	0.02
		PM_{10}	0.08	0.36
		CO	0.15	0.64

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates * lb/hr	Emission Rates * TPY**
H-2B	Heater H-2B (10 MMBTU/hr)		VOC	0.03	0.12
			NO_x	1.40	6.13
			SO_2	<0.01	0.03
			PM_{10}	0.14	0.61
			CO	0.35	1.53
NRC1	Nitrogen Rejection Unit Compressor Engine		VOC	0.66	3.90
			NO_x	4.41	19.31
			PM_{10}	0.35	1.55
		CO	3.09	13.52	
NRH1	Nitrogen Rejection Unit Heater		VOC	0.01	0.01
			NO_x	0.03	0.12
			SO_2	0.01	0.01
			PM_{10}	0.03	0.14
			CO	0.10	0.45

(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 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
CO - carbon monoxide
H_2S - hydrogen sulfide
NH_3 - ammonia
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) These emergency flares are used only for emergency, start-up, shutdown, upset, and maintenance conditions. The emissions on this table represent the emissions from the pilot light.

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(6) The EPNs H1-A and H1-B represent the stacks of a pair of heaters with the same nominal rating and stack characteristics which are separated by approximately 15 meters of distance in a rural setting. Spent air from the SulFerox[tm] Unit routinely vents to the air intake of either Heater (EPNs H1-A or H1-B) or some combination of the two heaters. The allowable emission rates represent the combined total emissions from both Heaters (EPNs H1-A and H1-B). Compliance with these maximum allowable emission rates may be determined as specified in the special conditions of this permit.

* 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

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

Dated June 10, 2005